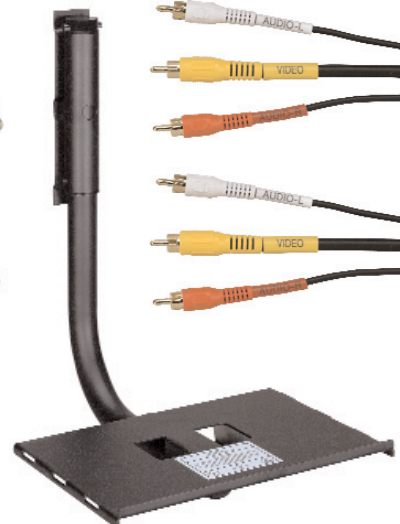
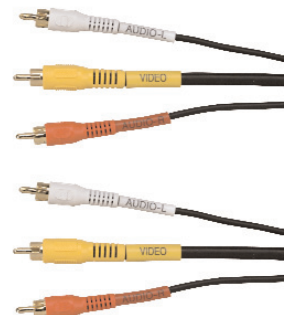
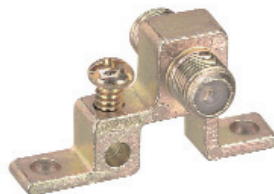
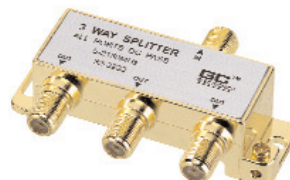
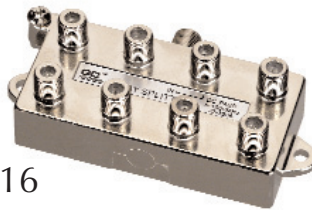
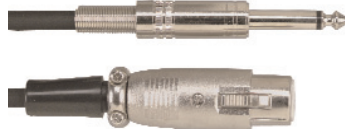




AUDIO/VIDEO

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AUDIO/VIDEO CABLE

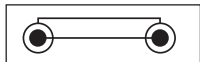


Fig. 1



Fig. 2

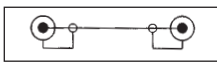


Fig. 3

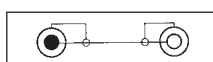


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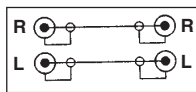
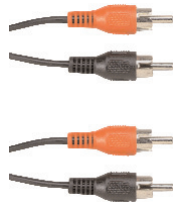


Fig. 5

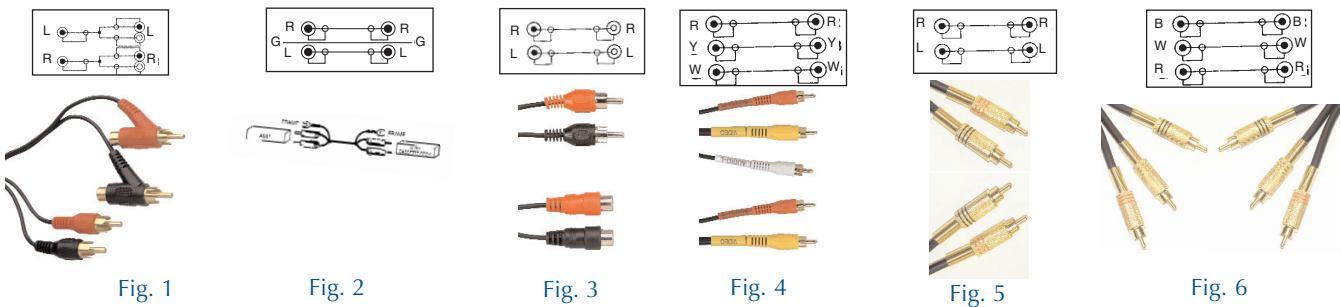
Economy Audio/Video Cable

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Length
30-1706		1	Un-Shielded Single RCA Plug to RCA Plug; 2 Conductor 24 AWG	6m (~20')
30-1708		1	Un-Shielded Single RCA Plug to RCA Plug; 2 Conductor 24 AWG	12m (~40')
30-1705		1	Un-Shielded 18 AWG Single RCA Plug to RCA Plug; 2 Conductor	6m (~20')
30-1707		1	Un-Shielded 18 AWG Single RCA Plug to RCA Plug; 2 Conductor	12m (~40')
30-1856		2	Shielded Single Right Angle RCA Plug to Single Right Angle RCA Plug	2m (~6')
30-400		3	Shielded Single RCA Plug to RCA Plug; 2 Conductor	.5m (~1.5')
30-402	30-402-BU	3	Shielded Single RCA Plug to RCA Plug; 2 Conductor	1m (~3')
30-404	30-404-BU	3	Shielded Single RCA Plug to RCA Plug; 2 Conductor	2m (~6')
30-404-3		3	Shielded Single RCA Plug to RCA Plug-Gold; 2 Conductor	2m (~6')
30-406		3	Shielded Single RCA Plug to RCA Plug; 2 Conductor	3.75m (~12')
32-3148		3	RG-59 Phono (RCA-type) Plug to Phono (RCA-type) Plug	1m (~3')
32-3149		3	RG-59 Phono (RCA-type) Plug to Phono (RCA-type) Plug	2m (~6')
32-3150		3	RG-59 Phono (RCA-type) Plug to Phono (RCA-type) Plug	3m (~12')
30-426		4	Shielded Single RCA Plug to Single RCA Jack	1m (~3')
30-428		4	Shielded Single RCA Plug to Single RCA Jack	2m (~6')
30-430		4	Shielded Single RCA Plug to Single RCA Jack	3.75m (~12')
30-407	30-407-BU	5	Shielded Dual RCA Plugs to Dual RCA Plugs	1m (~3')
30-407-60		5	Shielded Dual RCA Plugs to Dual RCA Plugs-60 Pieces	1m (~3')
30-407-3		5	Shielded Dual RCA Plugs to Dual RCA Plugs-Gold	1m (~3')
30-408		5	Shielded Dual RCA Plugs to Dual RCA Plugs	2m (~6')
30-408-3		5	Shielded Dual RCA Plugs to Dual RCA Plugs-Gold	2m (~6')
30-408-50	30-408-BU	5	Shielded Dual RCA Plugs to Dual RCA Plugs-50 Pieces	2m (~6')
30-409	30-409-BU	5	Shielded Dual RCA Plugs to Dual RCA Plugs	3.75m (~12')
30-419		5	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo	5m (~16')
30-513		5	Shielded Dual RCA Plugs to Dual RCA Plugs	7.6m (~25')

AUDIO/VIDEO



AUDIO/VIDEO CABLE (Cont.)



Audio/Video Cable

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Length
30-1826		1	Shielded Pistol Type Dual Plugs with RCA Jack Adapter to Dual RCA Plugs	1m ('3')
30-1827		1	Shielded Pistol Type Dual Plugs with RCA Jack Adapter to Dual RCA Plugs	2m ('6')
30-1828		1	Shielded Pistol Type Dual Plugs with RCA Jack Adapter to Dual RCA Plugs	3.75m ('12')
30-413		2	Shielded Car Stereo-Dual RCA to Dual RCA with Grounding Wire at Both Ends	5m ('16')
30-410		3	Dual Shielded RCA Plugs to Dual RCA Jacks	1m ('3')
30-411		3	Dual Shielded RCA Plugs to Dual RCA Jacks	2m ('6')
30-1537		4	Interconnect Cable Triple RCA Plug RWY-Gold	2m ('6')
30-1537-25		4	Interconnect Cable Triple RCA Plug RWY-Gold	2m ('6')
SD-1538		4	Dubbing Cable Triple RCA Plug RWY-Gold-Stereo	3.75m ('12')
32-3236		5	RG-59 Dual Phono (RCA-Type) Plug to Dual Phono (RCA-Type) Plug-Gold	2m ('6')
32-3237		6	RG-59 Triple Phono (RCA-Type) Plug to Triple Phono (RCA-Type) Plug-Gold	2m ('6')



Audio Cables

Retail Part No.	Bulk Part No.	Figure Number	Description	Length (Meters)	Ferrite Bead
65-1713-1M		7	Stereo Cable 3.5mm Phone Plug to 3.5mm Phone Plug	1	No
65-1719-1M		8	Stereo Cable 1/4" Phone Plug to 1/4" Phone Plug	1	No
65-1720-1M		9	Phone Plug 3.5mm Quad Plug to 3.5mm Quad Jack	1	No
65-1723-1M		10	Phone Plug 3.5mm Quad Plug to 3xRCA Plugs RWY	1	No
65-1726-1M		11	Phone Plug Rt. Angle 3.5mm Quad Plug to 3xRCA Plugs RWY	1	No

AUDIO/VIDEO CABLE



Fig. 1



Fig. 2



Fig. 3

Audio Cables

Retail Part No.	Bulk Part No.	Figure Number	Description	Length (Meters)	Ferrite Bead
65-1729-1M		1	Stereo Cable 3.5mm Phone Plug to 3.5mm Phone Plug-Metal Shell	1	No
65-1729-3M		1	Stereo Cable 3.5mm Phone Plug to 3.5mm Phone Plug-Metal Shell	3.75	No
65-1730-3M		2	Stereo Cable 3.5mm Phone Plug to 3.5mm Phone Jack-Metal Shell	3.75	No
65-1739-1M		3	Phone Plug 3.5mm Quad Plug to 3xRCA Plugs RWY-Metal Shell	1	No
65-1739-2M		3	Phone Plug 3.5mm Quad Plug to 3xRCA Plugs RWY-Metal Shell	2	No



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Phono Pin Plug & Jack Combinations

Retail Part No.	Bulk Part No.	Figure Number	Description
30-510	30-510-BU	1	Phono Pin Plug to 2 Phono Pin Jacks
30-510-3		1	Phono Pin Plug to 2 Phono Pin Jacks-Gold
30-512	30-512-BU	2	Phono Pin Jack to 2 Phono Pin Plugs
30-512-3		2	Phono Pin Jack to 2 Phono Pin Plugs
30-514		3	Phono Pin Plug to 2 Phono Pin Plugs

Standard Phone Plug & Jack Combinations

Retail Part No.	Bulk Part No.	Figure Number	Description
30-522		4	Standard Mono Phone Plug to 2 Standard Mono Phone Jacks
30-524		4	Standard Stereo Phone Plug to 2 Standard Mono Phone Jacks
30-1560		5	Standard Stereo Phone Plug to 2 Standard Stereo Phone Jacks

AUDIO “Y” ADAPTERS (Cont.)



Fig. 1

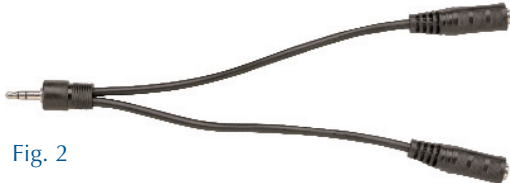


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Miniature Plug & Jack Combinations

Retail Part No.	Bulk Part No.	Figure Number	Description
30-1558		1	Miniature Phone Plug to 2 Miniature Phone Jacks
30-1559		2	Miniature Stereo Phone Plug to 2 Miniature Stereo Phone Jacks
30-1565		3	Miniature Stereo Phone Plug to 2 RCA Jacks (Basic)

Metal “Y” Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
30-500		4	Standard Mono Phone Plug to 2 Mono Phono Pin Jacks
30-504		5	Mono Phono Pin Plug to 2 Mono Phono Pin Jacks

Auto Antenna “Y” Connector

Retail Part No.	Bulk Part No.	Figure Number	Description
30-3081		6	Allows Hook-up of an Add. AM, FM, AM/FM Radio CB to Car Radio Antenna

S-VHS “Y” Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
65-4401		7	1 S-VHS Plug to 2 S-VHS Jacks
65-4402		8	2 S-VHS Plugs to 1 S-VHS Jack

AUDIO/VIDEO



ADAPTERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

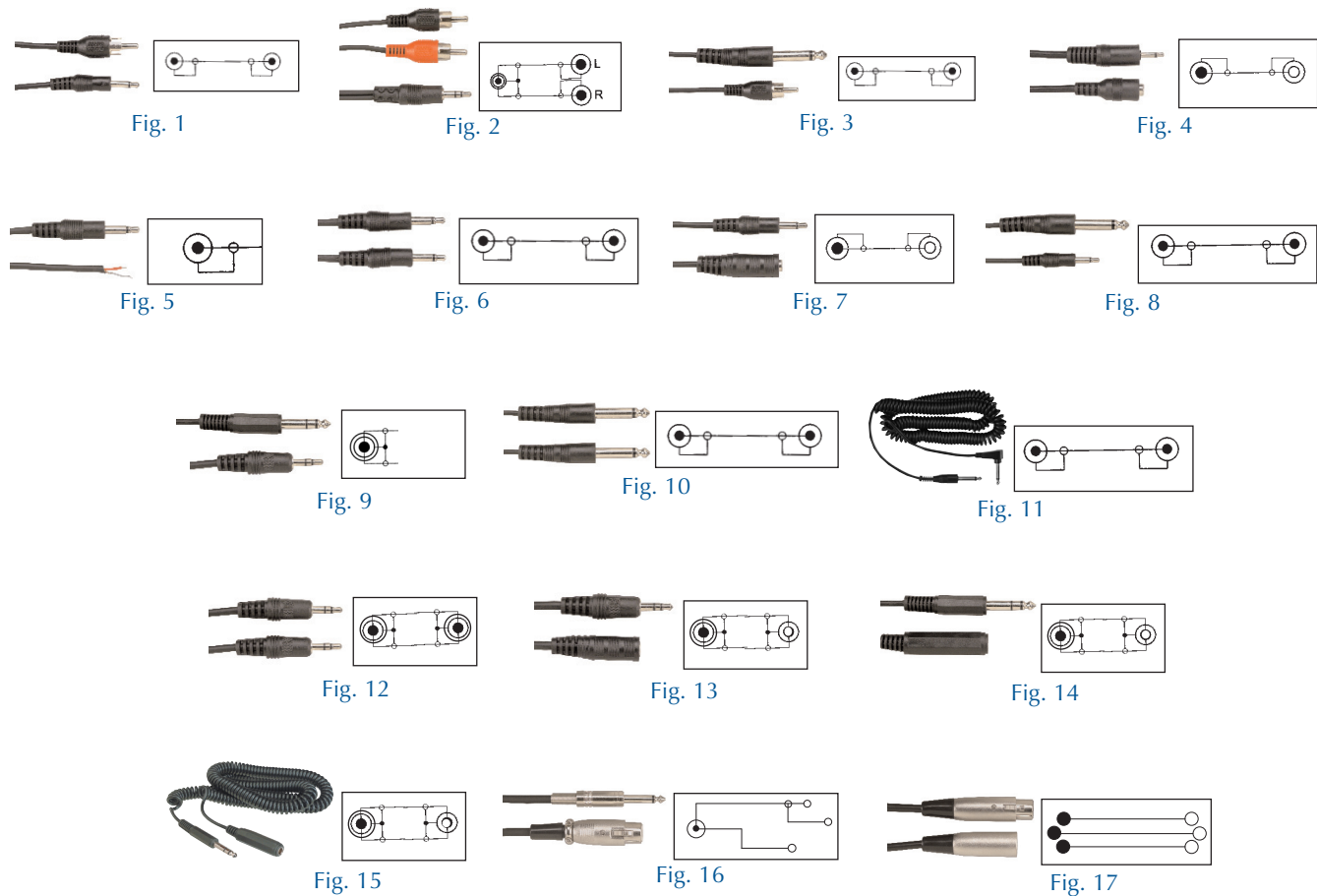


Fig. 12

Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
30-495	30-495-BU	1	3.5mm Mini Phone Plug to RCA Jack-all metal (Better)
30-472		2	1/4" Phone Plug to RCA Jack (Basic)
30-472-1		3	1/4" Mono Phone Plug to Mono 3.5mm Mini Phone Jack (Mono-Mono).(Basic)
30-478		4	2.5mm Subminiature Phone Plug to 3.5mm Phone Jack (Mono-Mono).(Basic)
30-1587		5	Mono 3.5mm Mini Phone Plug to Stereo 3.5mm Mini Phone Jack (Mono-Stereo).(Basic)
30-496		6	3.5mm Mini Phone Plug to 1/4" Phone Jack (Mono-Mono).(Basic)
30-1554		7	3.5mm Mini Phone Plug to 1/4" Stereo Phone Jack (Mono-Stereo).(Better)
30-1576		8	3.5mm Stereo Mini Phone Plug to 1/4" Stereo Phone Jack (Stereo-Stereo).(Basic)
30-1574		9	1/4" Stereo Phone Plug to 3.5mm Stereo Mini Phone Jack (Stereo-Stereo).(Basic)
30-1575		10	1/4" Stereo Phone Plug to 3.5mm Stereo Mini Phone Jack-Gold (Stereo-Stereo).(Best)
30-1571		11	3.5mm Stereo Mini Phone Jack to 3.5mm Stereo Mini Phone Jack (Stereo-Stereo).(Better)
30-1570		12	1/4" Mono Phone Jack to 1/4" Mono Phone Jack (Mono-Mono).(Basic)

PHONE PLUG CABLES



Phone Plug Cables

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Length
30-401		1	Shielded Single RCA Plug to 3.5mm Mini Phone Plug	1m (~3')
30-403		1	Shielded Single RCA Plug to 3.5mm Mini Phone Plug	2m (~6')
30-1812		2	Shielded Dual RCA Plug to 3.5mm Stereo Mini Plug	2m (~6')
30-444		3	Shielded Single RCA Plug to 1/4" Phone Plug	2m (~6')
30-1830		4	2 Conductor 2.5mm Subminiature Plug to 2.5mm Subminiature Jack	6m (~20')
30-415		5	2 Conductor 3.5mm Mini Phone Plug to Stripped end Cable	2m (~6')
30-1808		6	2 Conductor 3.5mm Mini Phone Plug to 3.5mm Phone Plug	1m (~3')
30-1809		6	2 Conductor 3.5mm Mini Phone Plug to 3.5mm Phone Plug	2m (~6')
30-1806		7	2 Conductor 3.5mm Mini Phone Plug to 3.5mm Phone Jack	2m (~6')
30-1807		7	2 Conductor 3.5mm Mini Phone Plug to 3.5mm Phone Jack	3.75m (~12')
30-431		8	2 Conductor 3.5mm Mini Phone Plug to 1/4" Phone Plug	2m (~6')
30-434		9	3 Conductor 3.5mm Mini Phone Plug to 1/4" Phone Plug	2m (~6')
30-443		10	2 Conductor 1/4" Phone Plug to 1/4" Phone Plug	2m (~6')
30-556		11	Coiled 3 Conductor 1/4" Phone Plug to Right Angle 1/4" Phone Plug	6m (~20')
30-1821		12	3 Conductor Stereo 3.5mm Mini Phone Plug to Stereo 3.5mm Mini Phone Plug	2m (~6')
30-1811		13	3 Conductor Stereo 3.5mm Mini Phone Plug to Stereo 3.5mm Mini Phone Jack	3m (~10')
30-1824		14	3 Conductor Stereo 1/4" Phone Plug to Stereo 1/4" Phone Jack	6m (~20')
30-1825		15	Coiled 3 Conductor Stereo 1/4" Phone Plug to Stereo 1/4" Phone Jack	7.6m (~25')
30-1697		16	Microphone Cable Low Noise	5m (~16')
30-1695		17	Microphone Cable	6m (~20')

SATELLITE SYSTEM ACCESSORIES



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Satellite System Accessories

Retail Part No.	Bulk Part No	Figure Number	Description
SD-700		1	12' RG-6 Direct Burial Coax Cable (18 Gauge)
SD-702		1	25' RG-6 Direct Burial Coax Cable (18 Gauge)
SD-704		1	50' RG-6 Direct Burial Coax Cable (18 Gauge)
SD-706		1	75' RG-6 Direct Burial Coax Cable (18 Gauge)
SD-710		1	100' RG-6 Direct Burial Coax Cable (18 Gauge)
SD-711		1	1000' RG-6 Direct Burial Coax Cable (18 Gauge)
32-3175		2	1.5' RG-59 "F" Type Plug to "F" Type Plug
32-3130		2	3' RG-59 "F" Type Plug to "F" Type Plug
32-3130-40		2	3' RG-59 "F" Type Plug to "F" Type Plug
	32-3130-BU	2	3' RG-59 "F" Type Plug to "F" Type Plug
32-3230		2	3' RG-59 "F" Type Plug to "F" Type Plug-Gold
32-3131		2	6' RG-59 "F" Type Plug to "F" Type Plug
32-3131-25	32-3131-BU	2	6' RG-59 "F" Type Plug to "F" Type Plug
32-3231		2	6' RG-59 "F" Type Plug to "F" Type Plug-Gold
32-3132	32-3132-BU	2	12' RG-59 "F" Type Plug to "F" Type Plug
32-689	32-689-BU	2	25' RG-59 "F" Type Plug to "F" Type Plug
32-3330	32-3330-BU	2	3' RG-59 "F" Type Plug to "F" Type Plug-White
32-3331	32-3331-BU	2	6' RG-59 "F" Type Plug to "F" Type Plug-White
32-3332	32-3332-BU	2	12' RG-59 "F" Type Plug to "F" Type Plug-White
32-3335	32-3335-BU	2	25' RG-59 "F" Type Plug to "F" Type Plug-White
32-3344		2	50' RG-59 "F" Type Plug to "F" Type Plug-White
32-3345	32-3345-BU	2	100' RG-59 "F" Type Plug to "F" Type Plug-White
32-3173		3	3' RG-6 "F" Type to "F" Type Plug
32-3176		3	6' RG-6 "F" Type to "F" Type Plug
32-3178		3	12' RG-6 "F" Type to "F" Type Plug
32-3333	32-3333-BU	3	3' RG-6 "F" Type to "F" Type Plug-White
32-3334	32-3334-BU	3	6' RG-6 "F" Type to "F" Type Plug-White
32-3336	32-3336-BU	3	12' RG-6 "F" Type to "F" Type Plug-White
32-3273		4	25' RG-6 "F" Type to "F" Type Plug with Ground Wire
32-3276		4	100' RG-6 "F" Type to "F" Type Plug with Ground Wire
32-3765		5	High Resolution Video Cable 6' Gold Plated RCA/RCA

SATELLITE SYSTEM ACCESSORIES (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Satellite System Accessories (Cont.)

Retail Part No.	Bulk Part No.	Figure Number	Description
32-691	32-691-BU	1	50' RG-59 "F" Type Plug to "F" Plug w/Rubber Weather Boot
32-693		1	75' RG-59 "F" Type Plug to "F" Plug w/Rubber Weather Boot
32-695	32-695-BU	1	100' RG-59 "F" Type Plug to "F" Plug w/Rubber Weather Boot
32-696		1	100' RG-6 "F" Type Plug to "F" Plug w/Rubber Weather Boot
32-697		1	50' RG-6 "F" Type Plug to "F" Plug w/Rubber Weather Boot
32-698		1	25' RG-6 "F" Type Plug to "F" Plug w/Rubber Weather Boot
32-3154		2	3' RG-59 Phono Pin (RCA) to BNC Cable
32-3155		2	6' RG-59 Phono Pin (RCA) to BNC Cable
32-3160		3	6' RG-59 Right Angle "F" Plug to Right Angle "F" Plug (Push-On)
32-3163	32-3163-BU	4	3' RG-59 "F" Plug to "F" Plug (Straight Push-On)
32-3162	32-3162-BU	4	6' RG-59 "F" Plug to "F" Plug (Straight Push-On)
65-4003		4	3' RG-59 "F" Plug to "F" Plug (Gold Connectors)
65-4006		4	6' RG-59 "F" Plug to "F" Plug (Gold Connectors)
65-4012		4	12' RG-59 "F" Plug to "F" Plug (Gold Connectors)
32-3142		5	3' RG-59 BNC Plug to BNC Plug
32-3143		5	6' RG-59 BNC Plug to BNC Plug
32-3144		5	12' RG-59 BNC Plug to BNC Plug
32-3165		6	6' S-VHS Video Cable 4 Pin S-Connector Plug to 4 Pin S-Connector Plug
32-3166		6	12' S-VHS Video Cable 4 Pin S-Connector Plug to 4 Pin S-Connector Plug
32-3167		6	25' S-VHS Video Cable 4 Pin S-Connector Plug to 4 Pin S-Connector Plug
	32-3168-BU	7	6' S-Video 4-Pin Female/Male Cable
32-3766		8	2M Super VHS Video Cable 4 Pin Mini DIN Plugs on both ends
32-3767		8	5M Super VHS Video Cable 4 Pin Mini DIN Plugs on both ends
32-3068		9	50' RG-59 75Ω Coax Cable (without Connectors)
14-520-2N21		10	50' 300Ω Twin Wire Cable (Foam Filled)
14-520-2N31		10	75' 300Ω Twin Wire Cable (Foam Filled)
14-520-2N41		10	100' 300Ω Twin Wire Cable (Foam Filled)
12-390		11	RG-6 Coax Prep Tool
12-395		11	RG-59 Coax Prep Tool

AUDIO/VIDEO



VIDEO HOOK-UP HARDWARE



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

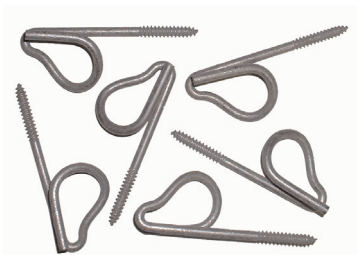


Fig. 6



Fig. 7



Fig. 8

Video Hook-Up Hardware

Retail Part No.	Bulk Part No.	Figure Number	Qty. Pack	Description	Color
32-3049		1	4	Feed-Thru Bushing for 75Ω Coaxial Cable (4 Pack; 2-Black, 2-Ivory) (RG59-U)	Ivory & Black
	32-3050-BU	1		Feed-Thru Bushing for 75Ω Coaxial Cable (RG59-U)	Ivory
	32-3052-BU	1		Cable Clips for 75Ω Coaxial Cable (RG-6)	Black
	32-3051-100	2		Cable Clips for 75Ω Coaxial Cable (RG-6)	White
32-3351	32-3351-100	2	6	Feed-Thru Bushing for 75Ω Coaxial Cable (RG59-U)	Black
32-3056	32-3071-BU	2	6	Cable Clips for 75Ω Coaxial Cable (Quad Shield RG-6)	Black
32-3057	32-3057-100	3	10	Cable Clips for 75Ω Coaxial Cable (RG59-U)	Black
32-3058	32-3058-100	3	10	Cable Clips for 75Ω Coaxial Cable (RG59-U)	White
SD-461	SD-461-100	4	10	7mm Coax Clip (RG-6)	Black
SD-463	SD-463-100	5	1	Coax Clip for Cement (RG-6)	Black
SD-464	SD-464-BU	6	4	"P" House Hook (Cement/Stucco) (RG-6)	Silver
SD-471	SD-471-100	7	1	Feed-Thru Bushing (RG-6)	Black
	SD-472-100	7		Feed-Thru Bushing (RG-6)	Ivory
SD-151		8	1	Weather Proof Coax Cable Feed-Thru Kit for RG-6 cable, with 2 coax connectors	Assorted

Part No's ending in -100 denotes packages of 100 pieces.

SATELLITE SIGNAL SPLITTERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

2 GHz Satellite Splitters (Economy)

Retail Part No.	Bulk Part No.	Figure Number	Description	Plating	Frequency (MHz)	Insertion Loss(dB)	Isolation(dB)	Return Loss In(dB)	Return Loss Out(dB)
	SD-504-BU	1	4-way 5-2050 MHz	Nickel	5-2050	N/A	N/A	N/A	N/A
	SD-522-BU	2	2-way PP to all ports 5-2400 MHz	Nickel	5-40 40-1000 1000-2400	≤3.5 ≤4.5 ≤7.2	≥18 ≥28 ≥18	12 12 13	13 12 12
	SD-524-BU	3	4-way PP to all ports 40-2400 MHz	Nickel	5-40 40-1000 1000-2400	≤7.5 ≤8 ≤12.8	≥22 ≥27 ≥18	12 12 14	12 14 12

2 GHz Satellite Splitters 8-way (Economy)

Retail Part No.	Bulk Part No.	Figure Number	Description	Plating	Frequency(MHz)	Insertion Loss(dB)	Isolation(dB)min	Return Loss(dB)min
SD-528		4	8-way PP 5-2400 MHz	Nickel	0-5 5-47 47-1000 1000-1750 1750-2150 2150-2400	13.359 13.008 13.182 15.551 15-813 16.989	23.486 24.435 26.501 22.859 22.299 21.956	10 8 8 8 8 8

Note: PP=Power Passing

Satellite Taps

Retail Part No.	Bulk Part No.	Figure Number	Description	Plating	Frequency(MHz)	Insertion Loss(dB)max	Tap Loss (dB)	Isolation Out-Tap(dB)min	Isolation Tap-Tap(dB)min
	SD-542-BU	5	2-way	Nickel	5-40 40-950 950-2150 2150-2400	5.5 5.5 5.5 5.5	14±2.5 14±2.5 14±2.5 14±2.5	20 20 20 20	25 25 23 23
	SD-544-BU	5	4-way	Nickel	5-40 40-950 950-2150 2150-2400	7 7 7 7	12±2.5 12±2.5 12±2.5 12±2.5	20 20 20 20	25 25 23 23

Satellite Attenuator Pads

Retail Part No.	Bulk Part No.	Figure Number	Plating	Specifications
	SD-553-BU	6	Nickel	40-2400 MHz; 75Ω; Insertion Loss-3dB; Return Loss-20dB

“F” Coax Terminator

Retail Part No.	Bulk Part No.	Figure Number	Description	Quantity/ Retail Pack
32-436	32-436-BU	7	“F” Terminator 75 Ohm 1/2 Watt @ 5%	5

AUDIO/VIDEO



SATELLITE SIGNAL SPLITTERS (Cont.)

2.4 GHz Satellite Splitters (High End)

Applications:
Bandwidth of (5-2150MHz) ideally suited for satellite installation. Splits or combines signals on cable carrying both VHF/UHF signals (54-860MHz), cable signals (5-1000MHz), and/or satellite signals. All terminals use standard threaded “F” video connectors. Anti-corrosion gold plating and epoxy-sealed case provide the best resistance to the elements and signal transfer. Grounding block built in. Ideal for antenna systems requiring power for activation and use. All ports passive and include a weather cap.



Fig. 1

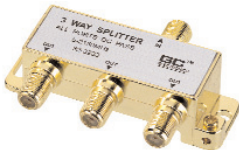


Fig. 2

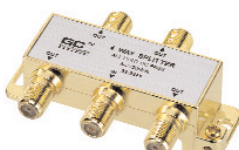


Fig. 3



Fig. 4

2.4 GHz Satellite Splitters (High End)

Retail Part No.	Bulk Part No.	Figure Number	Description	Plating	Frequency Range(MHz)	Frequency (MHz)	Insertion Loss(dB)	Isolation(dB)	Return Loss(dB) In	Return Loss(dB) Out
32-3222	32-3222-BU	1	2-Way Splitter	Gold	5-2400 MHz	5-950 950-2150 2150-2400	6 7 7.2	8(5-40MHz) 18(40-2400MHz)	6 6 6	6 6 6
32-3233	32-3233-BU	2	3-Way Splitter	Gold	5-2400 MHz	5-950 950-2400	10 12.5	16(5-40MHz) 18(40-2400MHz)	6 6	6 6
32-3244	32-3244-BU	3	4-Way Splitter	Gold	5-2400 MHz	5-950 950-2400	10 12.8	16(5-40MHz) 18(40-2400MHz)	6 6	6 6
32-3288	32-3288-BU	4	8-Way Splitter	Gold	5-2400 MHz	5-40 40-1000 1000-2400	18 18 18	25	4.5 4.5 4.5	8 8 8



Fig. 5

Cable Splitters

Retail Part No.	Bulk Part No.	Figure Number	Description	Plating	Frequency(MHz)	Insertion Loss(dB)min	Isolation dB	Return Loss (dB)min In	Return Loss (dB)min Out
	SD-572-BU	5	2-way DC Passive; 75Ω	Nickel	5-10 10-20 20-400 400-500 500-600 600-1000	3.5 3.5 3.6 3.9 3.9 4.4	20 25 24 24 23 20	15 18 20 18 17 15	15 18 20 18 17 15

CABLE SPLITTERS (Cont.)

DC Passive/Blocking Splitters

Applications:

Splits one inbound 75 Ohm video signal to multiple 75 Ohm video outlets. All Terminals use standard threaded “F” video connectors. Anti-Corrosion plating and sealed case resist the elements. These splitters feature a “built-in” ground block. Ideal for antenna systems that require power activation.



Fig. 1

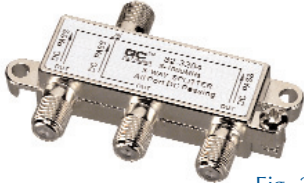


Fig. 2

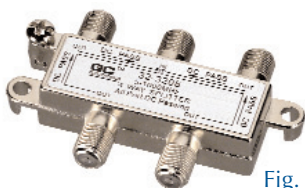


Fig. 3

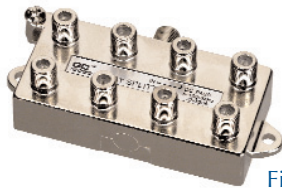


Fig. 4

DC Passive/Blocking Cable Splitters

Retail Part No.	Bulk Part No.	Figure Number	Description	Plating	Frequency Range (MHz)	Insertion Loss(dB)	Return Loss(dB)	Isolation(dB)
32-3203	32-3203-BU	1	2-Way Splitter DC	Nickel	40-1000	4.3	16	22
32-3252	32-3252-BU	1	2-Way Splitter DC	Nickel	40-1000	4.3	20	24
32-3204	32-3204-BU	2	3-Way Splitter DC	Nickel	40-1000	7.5	18	23
32-3253	32-3253-BU	2	3-Way Splitter DC	Nickel	40-1000	7.5	18	23
32-3205	32-3205-BU	3	4-Way Splitter DC	Nickel	40-1000	8.8	18	30
32-3254	32-3254-BU	3	4-Way Splitter DC	Nickel	40-1000	8.8	18	25
32-3206	32-3206-BU	4	8-Way Splitter DC	Nickel	40-1000	12.5	16	22
32-3258	32-3258-BU	4	8-Way Splitter DC	Nickel	40-1000	12.5	16	22

High Quality Broadcast Splitters

Applications:

Splits one inbound 75 Ohm video signal to multiple 75 Ohm video outlets. All terminals use standard threaded “F” video connectors. Anti-Corrosion plating and sealed case resist the elements. These splitters feature a built in ground block.



Fig. 5

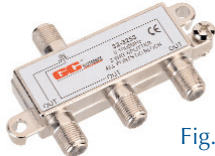


Fig. 6



Fig. 7



Fig. 8

High Quality Broadcast Splitters

Retail Part No.	Bulk Part No.	Figure Number	Description	Plating	Frequency Range(MHz)	Insertion Loss(dB)	Return Loss(dB)	Isolation (Out-Out)
32-3018	32-3018-BU, 32-3018-80	5	2-Way Splitter	Nickel	5-900	3.5(VHF)/4.0(UHF)	20(VHF)/15(UHF)	25(VHF)/20(UHF)
32-3718	32-3718-BU	5	2-Way Splitter	Gold	5-900	3.5(VHF)/4.0(UHF)	N/A	20(VHF)/20(UHF)
	32-2018-BU	5	2-Way Splitter Mini-Style	Nickel	5-1200	5.0(VHF)/5.0(UHF)	18(VHF)/18(UHF)	20(VHF)/20(UHF)
32-3033	32-3033-BU	6	3-Way Splitter	Nickel	5-900	5.5(VHF)/6.0(UHF)	20(VHF)/15(UHF)	25(VHF)/20(UHF)
32-3022	32-3022-BU	7	4-Way Splitter	Nickel	5-900	6.8(VHF)/7.2(UHF)	20(VHF)/15(UHF)	25(VHF)/20(UHF)
32-3722		7	4-Way Splitter	Gold	5-900	6.8(VHF)/7.2(UHF)	20(VHF)/15(UHF)	25(VHF)/20(UHF)
	32-3039-BU	8	8-Way Splitter	Nickel	5-900	N/A	N/A	N/A

Part No's that end in -80 denotes package of 80 pieces.

AUDIO/VIDEO



BROADCAST SIGNAL SPLITTERS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Broadcast Splitters

Retail Part No.	Bulk Part No.	Figure Number	Description	Frequency (MHz)	Insertion Loss(dB)max	Return Loss(dB)min	Isolation (dB)min	EMI Shielding(dB)min
	SD-562-BU	1	2-Way	5	3.5	16	25	120
				10	3.5	18	28	120
	SD-563-BU	2	3-Way	20	3.6	20	28	120
				400	3.9	18	25	120
	SD-564-BU	3	4-Way	500	4.4	16	22	120

Broadcast Amplifiers

Retail Part No.	Bulk Part No.	Figure Number	Description
SD-4303		4	1-way Amplifier 10dB 5-500 MHz for indoor use
SD-4307		5	4-way Amplifier 3dB 5-500 MHz for indoor use

DROP TAPS

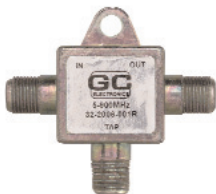


Fig. 6



Fig. 7

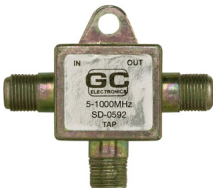


Fig. 8



Fig. 9

Drop Taps

Retail Part No.	Bulk Part No.	Figure Number	Description	Frequency(MHz)	Insertion Loss(dB)max	Isolation Loss(dB)min	Tap Loss(+/-dB)max
32-2006	32-2006-BU	6	Miniature UHF/VHF/FM Droptap(6dB)	5	3.0	23	0.5
				50	2.6	31	0.5
				300	2.5	25	0.5
				500	2.5	27	0.5
				750	3.0	28	0.5
				1000	3.2	27	0.5
32-2009	32-2009-BU	6	Miniature UHF/VHF/FM Droptap(9dB)	5	1.7	30	0.5
				50	1.4	30	0.5
				300	1.3	33	0.5
				500	1.3	33	0.5
				750	1.8	30	1.0
				1000	2.0	28	1.0
32-2012	32-2012-BU	6	Miniature UHF/VHF/FM Droptap(12dB)	5	2.5	36	0.5
				50	0.5	36	0.5
				300	0.5	33	0.5
				500	0.7	30	0.5
				750	1.5	25	0.5
				1000	1.8	23	0.5
32-2020	32-2020-BU	6	Miniature UHF/VHF/FM Droptap(20dB)	5	0.7	36	0.5
				50	0.6	36	0.5
				300	0.6	33	0.5
				500	0.5	31	1.0
				750	1.1	28	2.0
				1000	1.5	27	2.0
	32-3183-BU	7	UHF/VHF/FM Droptap (12dB)	5-1000	N/A	N/A	N/A
	SD-592-BU	8	Miniature UHF/VHF/FM Droptap(12dB)	5	2.5	36	0.5
				50	0.5	36	0.5
				300	0.5	33	0.5
				500	0.7	30	0.5
				750	1.5	25	0.5
				1000	1.8	23	0.5
	SD-599-BU	9	Miniature UHF/VHF/FM Droptap(20dB)	5	2.5	36	0.5
				50	0.5	36	0.5
				300	0.5	33	0.5
				500	0.7	30	0.5
				750	1.5	25	0.5
				1000	1.8	23	0.5

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All quantities are single; BU's are packages of 10 Unless otherwise noted.

GROUNDING BLOCKS & ACCESSORIES

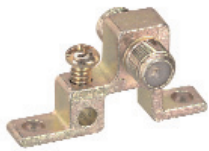


Fig. 1



Fig. 2



Fig. 3



Fig. 4

Grounding Blocks & Accessories

Retail Part No.	Bulk Part No.	Figure Number	Description
32-3015	32-3015-BU	1	Coax Grounding Block (for 75Ω antenna)
32-3164		2	Deluxe Picture-in-Picture Hookup Kit (gold plated conn.)
32-3275	SD-3016-BU	3	Coax Grounding Block-Dual Gold
32-3215		4	2.4 GHz Satellite Coax Grounding Block Gold



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Video Switches

Retail Part No.	Bulk Part No.	Figure Number	Description
32-3024	32-3024-BU	4	2-Way 75Ω Coaxial Switch (40dB)
32-3724		4	3-Way Video Selector Switch (40dB)
32-3029	32-3029-BU	5	3-Way 75Ω A/B/C Coaxial Switch (40dB) Gold
32-3210	32-3210-BU	6	2-Way High Isolation A/B Coaxial Switch (90dB)
32-3211	32-3211-BU	7	2-Way High Isolation A/B Switch (80dB)
32-3212	32-3212-BU	8	3-Way High Isolation A/B/C Switch (90dB)

SIGNAL COMBINERS & AMPLIFIERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

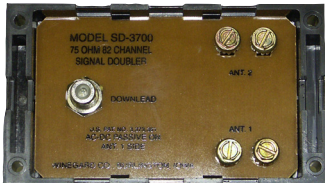


Fig. 7

Signal Combiners & Amplifiers

Retail Part No.	Bulk Part No.	Figure No.	Description	Frequency Range(MHz)	Insertion Loss(dB)	Return Loss(dB)	Isolation (dB)	Noise Fig. (dB)max	DC Power	Out of Band Rejection	Gain (dB)
32-3031		1	Channel 3 Signal Combiner	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
32-3041		1	Channel 4 Signal Combiner	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
32-4005		2	Satellite In-Line Amplifier-RG6*	450-2250	N/A	N/A	N/A	4	15v/18v	N/A	20-21
SD-4005		2	Satellite In-Line Amplifier-RG6	450-2050	N/A	6	N/A	5	15v	N/A	18
32-4040		3	Satellite Multi-Switch*	40-2150	14dB@(40-860)MHz 2dB@(950-2150)MHz	N/A	35	N/A	14v/18v	N/A	
32-4160		4	Satellite Diplexer-DC-Passive*	5-2150	1dB@(5-860)MHz 2.5dB@(950-2150)MHz	10dB	N/A	N/A	N/A	20dB	
32-4164		4	Satellite Diplexer-DC-Blocking*	5-2150	1dB@(5-860)MHz 2.5dB@(950-2150)MHz	10dB	N/A	N/A	N/A	20dB	
	SD-4164-BU	5	Diplexer/Mixer	40-2050	N/A		N/A	N/A	N/A	N/A	N/A
SD-3300		6	Antenna Coupler, 300Ω						N/A		
SD-3700		7	Antenna Coupler, 75Ω						N/A		

Notes: *=Gold Plating

VIDEO ENHANCEMENT PRODUCTS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Video Enhancement Products

Retail Part No.	Bulk Part No.	Figure Number	Description	Bandwidth(MHz)	Insertion Loss(dB)	Return Loss(dB)	Noise Figure(dB)	Gain(dB)
32-3185		1	Coax Surge Suppressor	5-900	5-500=0.8 500-900=2.5	5-500=16 500-900=10	N/A	N/A
32-3240		2	Audio/Video System Selector, RCA Jacks	N/A	N/A	N/A	N/A	N/A
32-2092		3	Single Source, Video, Left, Right Input RF Modulator, FCC Approved	N/A	N/A	N/A	N/A	N/A
32-3111		4	Outdoor Mini UHF/VHF Antenna Amplifier-300Ω(in), 75Ω(out)	54-806	N/A	3.5	13	N/A
32-3090		5	Solid State 75Ω VHF/FM Signal Amplifier(10dB, 75Ω)	N/A	N/A	N/A	5	N/A
32-3069		6	Two Way Amplifier(14-24dB)	50-890	N/A	N/A	6	24(VHF) 21(UHF)
32-3091		7	Deluxe VHF/UHF/FM Amplifier (30dB, 117 VAC, 60Hz)	40-862	N/A	7-8	6(VHF) 6.5(UHF)	25(VHF) 23(UHF)
32-3094		8	4-Way UHF/VHF Cable Distribution Amplifier	50-890	N/A	N/A	5	1
32-3221		9	Remote Control A/B Switch	5-2050	5-850=1 850-2050=1.5	N/A	N/A	N/A
SD-5001		10	Satellite Finder	1-1.6(GHz)	N/A	N/A	N/A	11±3
32-3011	32-3011-BU	11	5' VCR Replacement Cable	N/A	N/A	N/A	N/A	N/A
32-630		12	6' Twin Lead Jumper	N/A	N/A	N/A	N/A	N/A
SD-4200		13	UHF/VHF Antenna Preamplifier	N/A	N/A	N/A	N/A	N/A

AUDIO/VIDEO



BAND SEPARATORS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Band Separators

Retail Part No.	Bulk Part No.	Figure Number	Description	Frequency Range(MHz)	Insertion Loss		Input Connector	Output Connector
					VHF	UHF		
32-3028	32-3028-BU	1	75 to 300Ω UHF/VHF Band Separator	54-890	1.0	1.5	75Ω	(2) 300Ω
32-3030		1	300Ω UHF/VHF Band Separator	54-890	1.0	1.5	300Ω	(2) 300Ω
32-3032		2	75 to 300Ω UHF/VHF/FM Band Separator	54-890	1.0	1.5	75Ω	(3) 300Ω
32-3036		3	300 to 75/300Ω UHF/VHF/FM Band Separator	54-890	2.5	3.0	300Ω	(1) 75Ω (1) 300Ω
32-3040	32-3040-BU	4	75 to 75/300Ω UHF/VHF/FM Band Separator	54-890	2.0	3.0	75Ω	(1) 75Ω (1) 300Ω
32-3042	32-3042-BU	5	75 to 75/300Ω UHF/VHF/FM Band Separator	54-890	2.0	3.0	75Ω	(1) 75Ω (2) 300Ω
32-3742		5	75 to 75/300Ω UHF/VHF/FM Band Separator	54-890	2.0	3.0	75Ω	(2) 300Ω



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Transformers

Retail Part No.	Bulk Part No.	Figure Number	Description
32-3008	32-3008-BU	6	75Ω to 300Ω Indoor Matching Transformer
32-3708		6	75Ω to 300Ω Indoor Matching Transformer-Gold
32-3010	32-3010-BU	7	300Ω to 75Ω Outdoor Matching Transformer
32-3710		7	300Ω to 75Ω Outdoor Matching Transformer-Gold
32-3012	32-3012-BU	8	300Ω to 75Ω Push-On Matching Transformer
32-3026		9	300Ω to 75Ω Matching Transformer
32-3035		10	UHF/VHF Combiner Transformer 75Ω VHF/300Ω
32-3045	32-3045-BU	11	UHF/VHF Combiner Transformer 300Ω to 75Ω
32-3055	32-3055-BU	12	UHF/VHF Combiner Transformer 75Ω to 75Ω

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TELEVISION WALL MOUNTS

Television Wall Mounts

Applications:

New space-saving television/monitor mounts are ideal for today’s home or office. As space-saving becomes more valuable in every room, GC mounts provide a modern alternative to bulky TV stands and home entertainment centers. By attaching your TV to a GC mount, you will save space while adding to the decor of your bedroom, den, office, bar or any room in the house. The high-tech, scratch resistant finish compliments today’s contemporary lifestyles and television designs. In addition to saving space, GC wall mounts make watching TV easier. The 10° shelf tilt angle and the 90° left/right swivel lets you position the television for optimum viewing from any point in the room. GC wall mounts fit most 13”, 19”/20” and 25”/27” televisions and monitors. All mounts include hardware for installation.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Television Wall Mounts

Retail Part No.	Bulk Part No.	Figure Number	Description	Color
32-1810		1	Adjustable DVD/VCR Bracket. Tray 2.5-4.5”H x 12.5-17.5”W	Black
32-1810-WH		1	Adjustable DVD/VCR Bracket. Tray 2.5-4.5”H x 12.5-17.5”W	White
32-1815-CM		2	13” TV Ceiling Mount. Tray 14”W x 15.5”D. Holds 85 lbs.	Black
32-1815-WCM		2	13” TV Ceiling Mount. Tray 14”W x 15.5”D. Holds 85 lbs.	White
32-1816-WCM		2	19”/20” TV Ceiling Mount. Tray 20”W x 18”D. Holds 100 lbs.	White
32-1817-CM		2	25”/27” TV Ceiling Mount. Tray 25”W x 19.5”D. Holds 125 lbs.	Black
32-1817-WCM		2	25”/27” TV Ceiling Mount. Tray 25”W x 19.5”D. Holds 125 lbs.	White
32-1815		3	13” TV Mount. Tray 14”W x 15.5”D. Holds 85 lbs.	Black
32-1815-WH		3	13” TV Mount. Tray 14”W x 15.5”D. Holds 85 lbs.	White
32-1816		3	19”/20” TV Mount. Tray 20”W x 18”D. Holds 100 lbs.	Black
32-1816-WH		3	19”/20” TV Mount. Tray 20”W x 18”D. Holds 100 lbs.	White
32-1817		4	25”/27” TV Mount. Tray 25”W x 19.5”D. Holds 125 lbs.	White
32-1820 AK		5	Ceiling/Wall Anchor Kit with 4 bolts (for concrete)	Silver

Outdoor Antennas are Available Through a Partnership with Winegard.
Call Customer Service for Price and Availability.

Specifications:

Locks antenna or station signal for brighter, clearer TV and FM reception.
Easily handles the largest residential outdoor TV antenna arrays. Automatic antenna control indicates position of antenna.

- Zinc Diecast, Weather Sealed Motor Housing
- Maximum Wind Load Area of 5 sq. ft.
- Brake Withstands 1,440 inch oz. of Torque
- 360° Rotation in One Minute
- Control 15 VAC, 60 Cycles, AC 0.7 amps
- Motor Operates on 24V AC
- 22 AWG 3 Conductor Lead Wire Required

Antenna Rotor

Retail Part No.	Bulk Part No.	Figure Number	Description
32-9015		6	Antenna Rotor
32-9015-CB		6	Controller Only



Fig. 6

AUDIO/VIDEO



INDOOR/OUTDOOR TV ANTENNAS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

TV Antennas

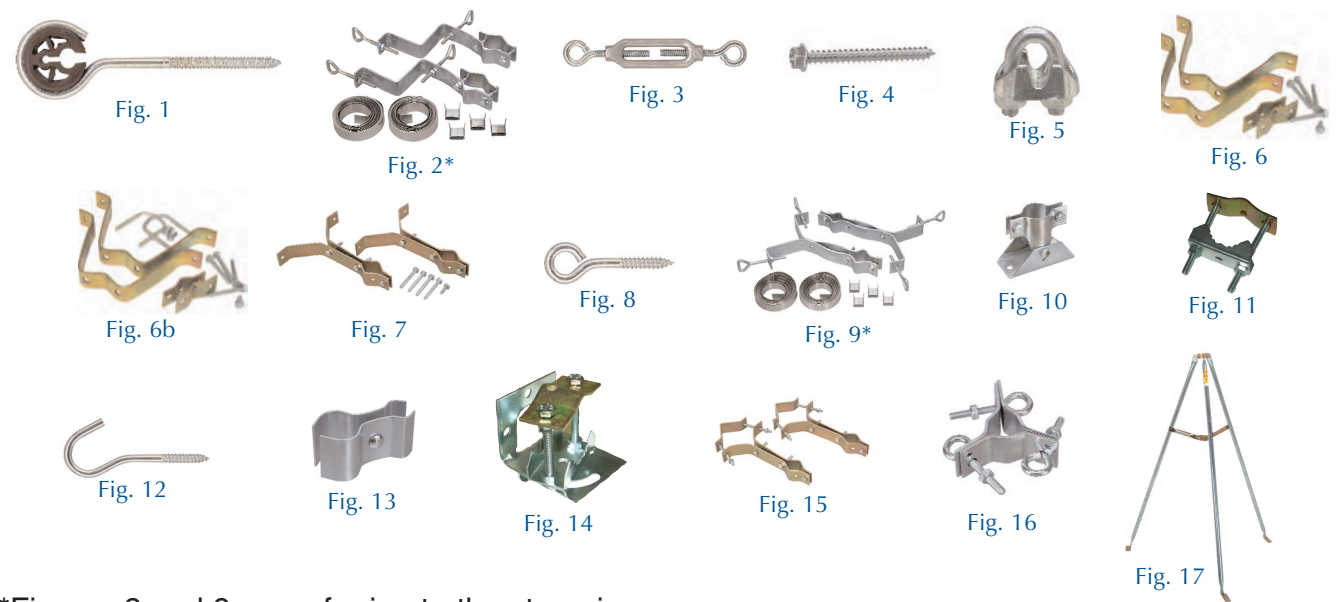
Retail Part No.	Bulk Part No.	Figure Number	Description
30-270		1	"Folded Dipole" Indoor FM Radio Antenna
32-300		2	300 Ohm VHF/FM Stereo Antenna, 3 Section, 30" Ext.
32-302		3	300 Ohm 12 Position VHF/UHF/FM Stereo Antenna, 4 Section, 30 Ext.
32-313		4	Back-of-Set Loop Antenna for UHF
32-315		5	Butterfly "Snap-On" UHF
32-317		6	Replacement Antenna 9" to 32" Ext., 3' Leads
32-370		7	75 Ohm VHF/FM Stereo Antenna, 4 Section, 36" Ext.
32-371		8	75 Ohm 12 Position VHF/UHF/FM Stereo Antenna, 4 Section, 32" Ext.
32-372		9	75 Ohm Deluxe VHF/UHF/FM Stereo Antenna, 7 Section, 44" Ext.
32-373		10	75 Ohm Amplified VHF/UHF/FM Stereo Antenna, 7 Section, 44" Ext.
32-1599		11	9 Element Antenna with VHF/UHF/FM Splitter



Complete Winegard Selection - CALL!

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INSTALLATION PRODUCTS AND HARDWARE



*Figures 2 and 9 are referring to the strappings.

Installation Products & Hardware

Retail Part No.	Bulk Part No.	Figure Number	Description
4027-C		1	Combo Standoffs - 3 1/2" Long (VHF)
4028-C		1	Combo Standoffs - 5 1/2" Long (VHF)
8005-L		2	Chimney "Z" Mounts (2-18' Lengths) *
32-010		2	Chimney "Z" Mounts (2-18' Lengths) *
8057		3	Turnbuckle (Closed 4", Open 5 5/8")
8061		4	Slotted Hex Washer Head Lag Screw (1/4" x 2 1/2")
8133		5	Cable Clamps (1/8" Wire Size)
8304		6	Wall Mount-Medium Duty; 4" Clearance
8304-0025		6	Wall Mount-Medium Duty; 4" Clearance (Box of 25)
8305		6b	Wall Mount-Heavy Duty; 2 1/2" Clearance
9236		6b	Wall Mount-Medium to Heavy Duty; 6" Clearance
9262		6b	Wall Mount-Economy; 3 1/4" Clearance
32-004		6b	Wall Mount-Medium to Heavy Duty; 6" Clearance
8306		7	"Snap-In" Wall Mount-Heavy Duty; 6" Clearance
8308		7	"Snap-In" Wall Mount-Heavy Duty; 8" Clearance
8312		7	"Snap-In" Wall Mount-Heavy Duty; 12" Clearance
8318		7	"Snap-In" Wall Mount-Heavy Duty; 18" Clearance
8342		8	Screw Eyes (3" Long)
8486		8	Screw Eyes (5" Long)
8610-L		9	Heavy Duty Snap-In Chimney Mounts (2-18' Lengths) *
32-000		9	Heavy Duty Snap-In Chimney Mounts (2 12' Length) *
8622		10	Pivot Swing Mount (up to 1 1/4" Masts)
8718		11	Mast Clamp Assembly
32-030		11	Mast Clamp Assembly
8732		12	Screw Hook (4 3/8" Long)
8799		13	Vent Clamp (up to 2 1/4" Vents)
8800-U		14	Handy Mount (up to 1 1/2" Masts)
8802		15	Vent Mount (2" to 4" Vents)
8803		15	Vent Mount (4" to 6" Vents)
8911		16	3-Way Guy Wire Mast Clamp
32-026		16	3-Way Guy Wire Mast Clamp
9160		17	Tri-Pod Tower Antenna Bases (with Hardware)

AUDIO/VIDEO

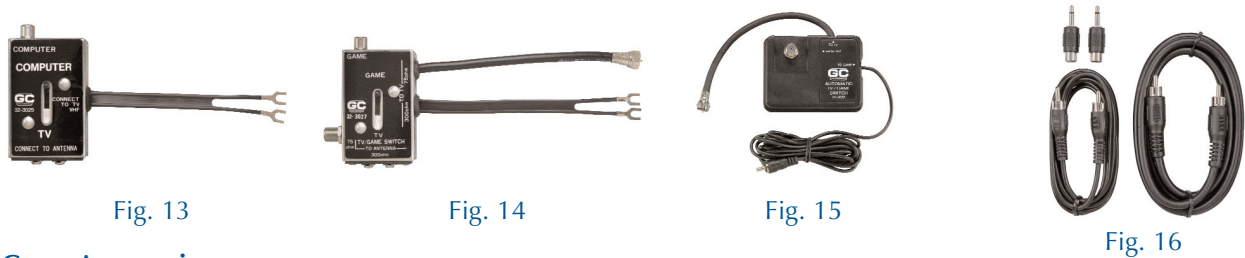


INSTALLATION PRODUCTS AND HARDWARE (Cont.)



Installation Products & Hardware

Retail Part No.	Bulk Part No.	Figure Number	Description
32-100		1	3-Way TV Line Clip
32-114		2	Antenna Guy Wire (4 Strand; 20 Gauge, 50')
32-123		3	Aluminum Ground Wire (1/8" Diameter, 50')
32-146		4	Antenna Wire (16 Gauge Copper, 50')
32-250		5	250' Aluminum #8 Ground Wire
32-8197		6	Tar Pad Mount (1/4" x 2" Lag Bolts & Sealant Strips)
32-8972		7	Steel Antenna Masts (5'; 18 Gauge)
32-8975		7	Steel Antenna Masts (5'; 16 Gauge)
32-8976		7	Steel Antenna Masts(10'; 16 Gauge), Grey Powder Coat
32-9005		8	Tri-Pod Tower Antenna Bases (Bases Only)
32-9013		9	Steel Antenna Masts (5'; 22 Gauge)
32-9114		10	Steel Antenna Masts (10'; 16 Gauge), Galvanized
SD-435	SD-435-BU	11	Ground Straps and Connector (Split Connector)
SD-440	SD-440-BU	11	Ground Straps and Connector (Galvanized Strap)
SD-415-1R		12	Ground Rod (0.6" x 6' Galvanized)



Game Accessories

Retail Part No.	Bulk Part No.	Figure Number	Description
32-3025		13	TV/Video Game Switch
32-3027		14	Universal Game Switch
32-3037		15	Automatic TV/Game Switch
32-3077		16	Video Tape Copying (Dubbing) Kit

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All quantities are single; BU's are packages of 10 Unless otherwise noted.

STEREO HEADPHONES



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Stereo Headphones

Retail Part No.	Figure No.	Description	Features
61-533	1	Lightweight Stereo Headphones	27mm Mylar Speaker; 32 Ohms; 20-20,000Hz; 100dB S.P.L.@1kHz+2%; 4ft. Cord Length
61-548	2	Digital Stereo Headphones	27mm Mylar Speaker; 32 Ohms; 20-18,000Hz; 101dB S.P.L.@1kHz+2%; 4ft. Cord Length
61-555	3	Stereo Headphones	27mm Mylar Speaker; 32 Ohms; 20-20,000Hz; 101dB S.P.L.@1kHz+2%; 4ft. Cord Length
90-502	4	Dynamic Stereo Headphones	20-18,000Hz; 32 Ohms; Max Input 100 mW
30-1831	5	Headphones Extension Cable	25 ft. Coiled Cable; 3.5mm Stereo Jack/1/4" Stereo Phone Plug

ACCESSORIES



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Accessories

Retail Part No.	Bulk Part No.	Figure Number	Description	Features
30-3152		6	Cigarette Lighter Plug & 2 Terminals	For Operating CB'S, Trouble Lights, Etc.
36-902		7	Cigarette Lighter Plug-Fused	For Operating CB'S, Trouble Lights, Etc. 2 amp Fuse.
30-3155		8	DC Power Cord	6 ft. Cord; Right Angle 2.1mm Power Supply
30-3151		9	Dual Cigarette Lighter "Y" Adapter	12" Y Cord for Cell Phone, Radar Detector, Etc.
30-3153		10	Triple Cigarette Lighter Socket Adapter	3 ft. Cord for Cell Phones, Radar Detector, Etc.
30-3124		11	DC Adapter 3.6, 7.5 or 9 Volts	Transistor Regulates Circuit; Assures Constant Voltage
30-3125		12	Universal Regulated Car Power Adapter	3V at 300mA, 6V & 9V at 500mA or 12V at 1200mA
30-3158		13	Cigarette Plug Switch with Cord	8 Ft. Cord, Switch, 5A, Stripped Ends

AUDIO/VIDEO



ACCESSORIES (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Closed
Fig. 8



Half Opened
Fig. 8



Shown with iPod
(iPod not included)
Fig. 8

Accessories (Cont.)

Retail Part No.	Figure No.	Description	Features
30-6012	1	500mA Universal AC/DC Adapter 12w	3.5mm Male, 2.0mm x 5.0mm, 2.1mm x 5.5mm, 2.5mm x 5.5mm, 1.35mm x 3.5mm, 1.5mm x 5.5mm Output: 3, 4.5, 6, 7.5, 9, 12 Vdc
61-6012	1	500mA Universal AC/DC Adapter 12w	3.5mm Male, 2.0mm x 5.0mm, 2.1mm x 5.5mm, 2.5mm x 5.5mm, 1.35mm x 3.5mm, 1.5mm x 5.5mm Output: 3, 4.5, 6, 7.5, 9, 12 Vdc
61-6014	2	800mA Universal AC/DC Adapter 16w	3.5mm Male, 2.0mm x 5.0mm, 2.1mm x 5.5mm, 2.5mm x 5.5mm, 1.35mm x 3.5mm, 1.5mm x 5.5mm Output: 3, 4.5, 6, 7.5, 9, 12 Vdc
30-160	3	Pillow Speaker	6 Ft. Cord with 3.5mm Phone Plug. 8 Ohm Impedence
30-5300	4	Miniature Earphones	Miniature (3.5mm) Plug; 3 Ft. Cord; Low Impedence
30-5302	4	Miniature Earphones	Miniature (3.5mm) Plug; 3 Ft. Cord; High Impedence
30-5304	4	Miniature Earphones	Subminiature (2.5mm) Plug; 3 Ft. Cord; Low Impedence
30-5306	4	Miniature Earphones	Miniature (3.5mm) Plug; 12 Ft. Cord; Low Impedence
30-041	5	Foot Switch	Maximum Rating: 250V-5A. 4 Ft. Cable with Subminiature (2.5mm) Plug
32-3240	6	Audio/Video System Selector	Allows Switching Up to 3 Stereo Audio/Video Input Sources. RCA Jack
30-467	7	Cassette Power Cord	SPT-1, 18 Gauge, 2 Conductor Cord, 6 Ft. Replacement; Non-Polarized
64-8864	8	Magnetically Shielded Multimedia Speaker Cube	USB or Battery powered, compact fold-up design, gold stereo 1/8" (3.5mm) plug. Works with all iPod players, MP3 players, CD players, Cassette players and other audio devices that feature a 1/8" (3.5mm) jack

VIDEO PROGRAMS

- Primary Video Program 49-2204-H
- 51 Video Part Numbers
- 4 Foot Program
- Connectors, Wall Plates, Cables, Tools



Display Rack Part No. 49-2204-H

VIDEO PROGRAMS (Cont.)

- Primary Video Program 49-2204-H
- 51 Video Part Numbers
- 4 Foot Program
- Connectors, Wall Plates, Cables, Tools

Program Contents:

Part No.	Quantity Per Program	Quantity Package	Description
12-551	4	1	One Step Stripper
32-317	4	1	Panasonic Antenna Hardware Line
32-436	6	5	“F” Male Terminator, 5 Pack
32-439	6	2	“F” Male Crimp Connector, 2 Pack
32-696	2	1	100’ RG6 Coax Cable
32-697	4	1	50’ RG6 Coax Cable
32-698	4	1	25’ RG6 Coax Cable
32-3003	6	5	RG-6 Twist-On Connector, 5 Pack
32-3006	6	5	Female “F” Splice w/nut, 5 Pack
32-3008	6	1	Indoor Transformer
32-3010	6	1	Outdoor Transformer
32-3012	6	1	Push-On Transformer
32-3015	4	1	Coax Grounding Block
32-3018	4	1	2-Way Splitter
32-3022	4	1	4-Way Splitter
32-3024	4	1	A/B Switch
32-3033	4	1	3-Way Splitter
32-3054	6	1	Feed Thru Wall Plate, White
32-3056	6	6	RG6, 6 Pack Coax Clips, Black
32-3059	8	1	Décor Coax Plate
32-3062	8	1	Wall Plate (Ivory)
32-3063	6	1	Dual Coax Plate
32-3066	8	1	Coax Wall Plate
32-3090	4	1	Amplifier
32-3091	3	1	VHF/UHF/FM Amplifier
32-3110	6	1	Right Angle “F” Male to Female
32-3121	6	1	BNC Female to RCA Male Adapter
32-3142	4	1	3’ BNC-BNC Video Cable
32-3143	4	1	6’ BNC-BNC Video Cable
32-3144	4	1	12’ BNC-BNC Video Cable
32-3148	4	1	3’ RCA-RCA Video Cable
32-3149	4	1	6’ RCA-RCA Video Cable
32-3162	4	1	6’ Push-On “F” - “F” Cable
32-3165	4	1	6’ S-VHS Cable
32-3166	4	1	12’ S-VHS Cable
32-3167	4	1	25’ S-VHS Cable
32-3170	6	1	S-VHS Adapter
32-3173	4	1	3’ RG6 Coax Cable
32-3176	4	1	6’ Video Cable
32-3185	4	1	Coax Surge Suppressor
32-3197	6	1	Dual “F” White Plate
32-3210	4	1	Deluxe A-B
32-3211	4	1	Mini AB Switch
32-3230	4	1	3’ Gold “F” - “F” Cable
32-3231	4	1	6’ Gold “F” - “F” Cable
32-3237	4	1	6’ Triple RCA Dubbing Cable (AU)
32-3240	2	1	Video Selector
32-3333	4	1	3’ RG6 Coax Cable, White
32-3334	4	1	6 ’ RG6 Coax Cable, White
32-3351	6	6	RG6, 6 Pack Coax Clips, White

Part No.	Quantity Per Program	Quantity Package	Description
32-3718	6	1	2-Way Splitter Gold
49-512-10R	55		6” Hooks
49-2204-H3	1		Reorder Card Set
75-2055-R	1		Display Rack
75-3001-5R	4		Brackets
75-3001-6R	4		2 Sided Tape
GC-HDR6-7561	1		Header
GC-HDR6-7562	1		Header
GC-PKRM-7810	1		Packing List and Road Map



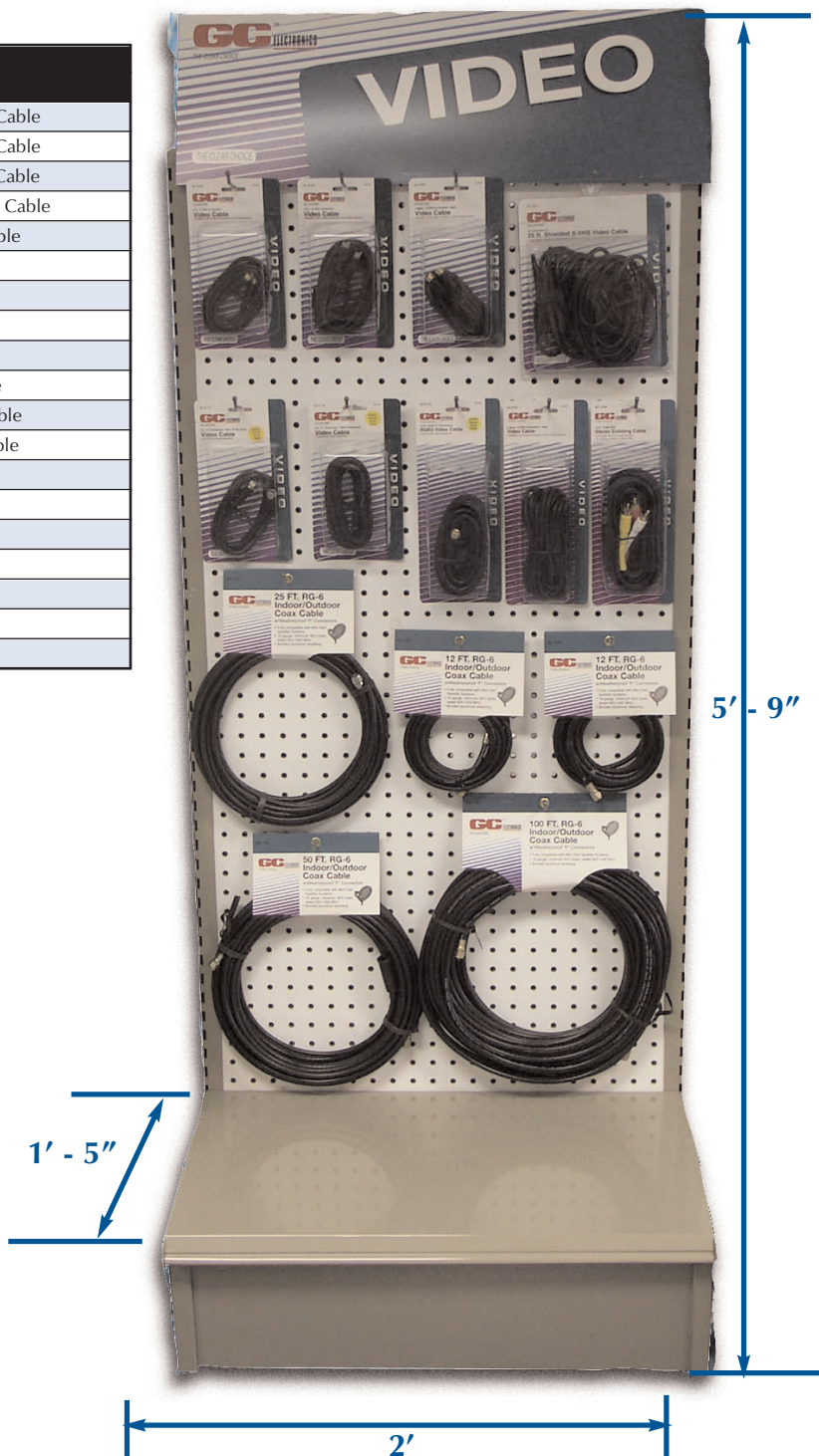
AUDIO/VIDEO

VIDEO PROGRAMS (Cont.)

- Basic Cable Program 49-2222
- 12 Video Part Numbers
- 2 Foot Program
- Cables

Program Contents:

Part No.	Quantity Per Program	Description
SD-700	6	12' RG-6 Direct Burial Coax Cable
SD-702	6	25' RG-6 Direct Burial Coax Cable
SD-704	6	50' RG-6 Direct Burial Coax Cable
SD-710	6	100' RG-6 Direct Burial Coax Cable
SD-1538	6	12' Audio/Video Dubbing Cable
32-3165	4	6' S-VHS Video Cable
32-3166	4	12' S-VHS Video Cable
32-3167	4	25' S-VHS Video Cable
32-3173	4	3' RG-6 "F" Plug Cable
32-3176	4	6' RG-6 "F" Plug Video Cable
32-3766	6	2 Meter Super VHS Video Cable
32-3767	6	5 Meter Super VHS Video Cable
49-512-10R	16	6" Hooks
49-2222-3	1	Reorder Card Set
75-2050-R	1	Display Rack
75-3001-5R	2	L Brackets
75-3001-6R	2	2 Sided Tape (5/8" x 8")
GC-HDR6-7561	1	2' Header
GC-PKRM-7789	1	Packing List/Road Map



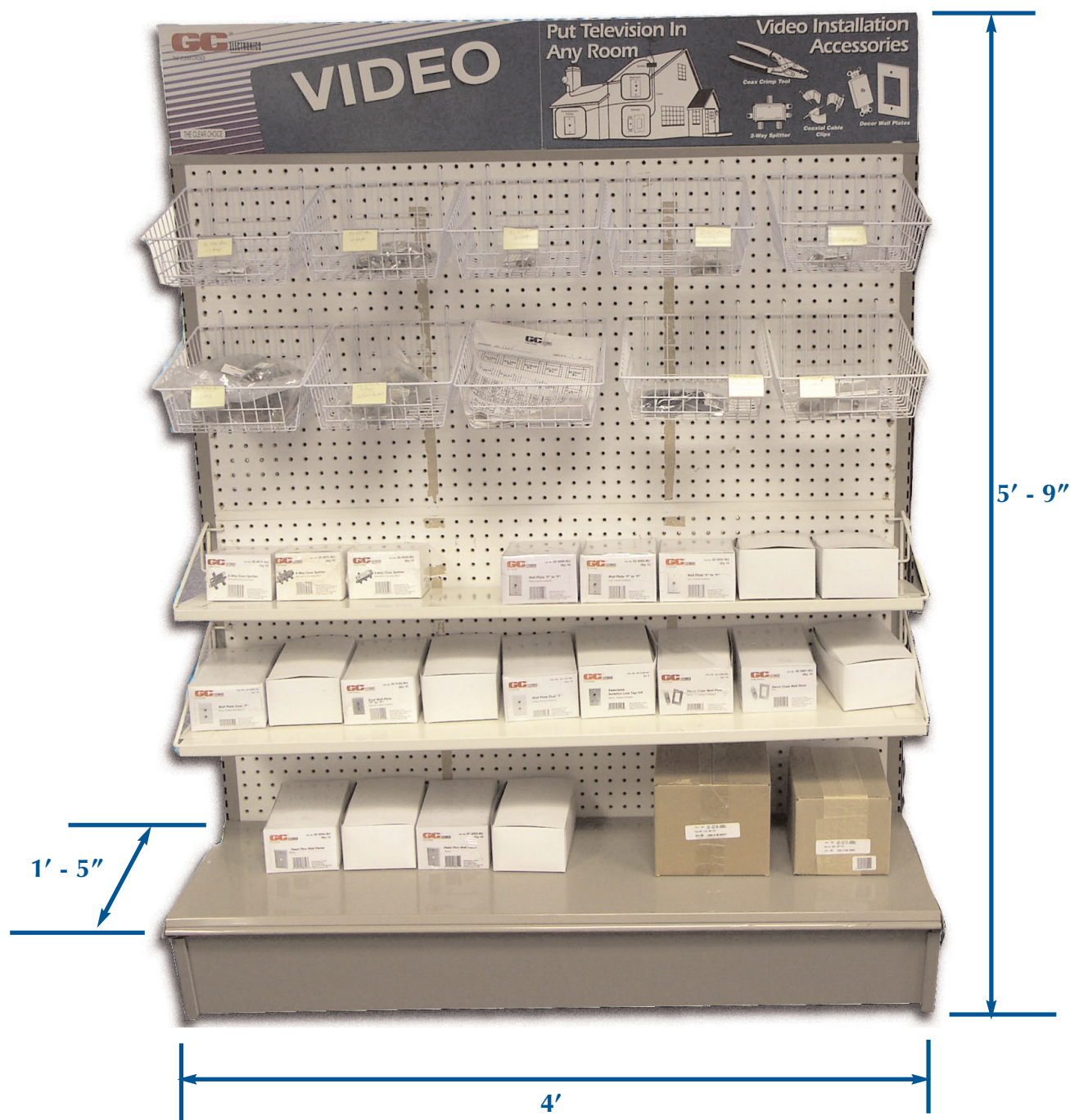
Display Rack Part No. 49-2222

AUDIO/VIDEO



VIDEO PROGRAMS (Cont.)

- Contractors Bulk Video Program 49-2225
- 25 Video Part Numbers
- 4 Foot Program
- Connectors, Splitters, Wall Plates



Display Rack Part No. 49-2225

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 All quantities are single; BU's are packages of 10 Unless otherwise noted.



AUDIO/VIDEO

VIDEO PROGRAMS (Cont.)

- Contractors Bulk Video Program 49-2225
- 25 Video Part Numbers
- 4 Foot Program
- Connectors, Splitters, Wall Plates

Program Contents:

Part No.	Quantity Per Program	Description
32-0436-BU	100	F Male Terminator (Dummy Load) for 75ohm
32-0439-BU	400	F Male Crimp-On - RG6
32-3003-BU	200	F Male Twist-On for RG6/U
32-3006-BU	200	F Female Inline Splice w/Washer & Nuts
32-3015-BU	30	Coax Grounding Block
32-3018-BU	50	2 Way, Hybrid Splitter
32-3022-BU	50	4 Way, Hybrid Splitter
32-3033-BU	50	3 Way, Hybrid Splitter
32-3039-BU	10	8 Way, Hybrid Splitter
32-3051-100	2	RG6 Coax Clip (Quantity 100)
32-3053-BU	40	Feed Thru Wall Plate, Ivory
32-3054-BU	40	Feed Thru Wall Plate, White
32-3059-BU	20	Décor Coax Wall Plate, White
32-3061-BU	20	Décor Coax Wall Plate, Ivory
32-3062-BU	40	Coax Wall Plate, Ivory
32-3063-BU	40	Dual Coax Wall Plate, Ivory
32-3066-BU	40	Coax Wall Plate, White
32-3183-BU	20	UHF/VHF/FM Droptap
32-3191-BU	20	Décor Coax Wall Plate, Lt. Almond
32-3192-BU	40	Coax Wall Plate, Lt. Almond
32-3193-BU	40	Dual Coax Wall Plate, Lt. Almond
32-3197-BU	40	Dual Coax Wall Plate, White
32-3210-BU	10	High Isolation A/B Switch
32-3212-BU	10	High Isolation A/B/C Switch
SD-444-BU	50	Weather Proof Commercial RG6
49-430-2R	1	Shelf Set
49-1700-1R	10	Baskets
49-1700-2R	10	Clips for Baskets
75-2055-R	1	4' Display Rack
75-3001-5R	4	Brackets for Header
75-3001-6R	4	2 Sided Tape for Brackets
GC-HDR6-7561	1	Header
GC-HDR6-7562	1	Header
GC-PKRM-7645	1	Header

AUDIO/VIDEO



VIDEO PROGRAMS (Cont.)

- Full Video Line Program 49-2212-A
- 150 Video Part Numbers
- 12 Foot Program
- Connectors, Splitters, Wall Plates, Cables



Display Rack Part No. 49-2212-A

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AUDIO/VIDEO

VIDEO PROGRAMS (Cont.)

- Full Video Line Program 49-2212-A
- 150 Video Part Numbers
- 12 Foot Program
- Connectors, Splitters, Wall Plates, Cables

Program Contents:

Part No.	Quantity Per Program	Quantity Package	Description	Part No.	Quantity Per Program	Quantity Package	Description
10-270	2	50	Cotton Swab Double Headed, 6"	32-3056	2	6	RG6 Coax Clips, Black
10-277	4	30	1 1/2" x 6" Lintless Swab	32-3057	2	10	75 Ohm Black Coax Cable Clip
12-390	2	1	Prep Tool for RG-6 Coax Cable	32-3058	2	10	75 Ohm White Coax Cable Clip
12-395	2	1	RG-59 Prep & "F" Connector Tool	32-3059	2	1	Coax Décor White Wall Plate
32-429	2	2	RG-6 Male F Crimp On Connector	32-3060	2	1	"F" Connector Brown Wall Plate
32-430	2	2	RG-59 & 62 Male Crimp-On Connector	32-3061	2	1	Coax Décor Ivory Wall Plate
32-436	2	5	F Male Terminator (dummy load) for 75ohm	32-3062	2	1	"F" Connector Ivory Wall Plate
32-439	2	2	F Male Crimp-On RG-6	32-3063	2	1	Dual "F" Connector Ivory Wall Plate
32-440	2	2	RG-59 & 62 Male Crimp Connector	32-3066	2	1	"F" Connector White Wall Plate
32-630	2	1	Twin Lead Jumper	32-3068	2	1	50' Coax Cable
32-689	2	1	RG-59 "F" Connector 25' Coax Cable	32-3069	2	1	2-Way Dist Amp-10dB with FM Trap
32-691	2	1	50' Coax Cable with "F" Connectors	32-3077	2	1	Video Tape Dubbing Kit
32-693	2	1	75' Coax Cable with "F" Connectors	32-3090	2	1	2-Way Dist Amp-10dB-VHF/FM
32-695	2	1	100' RG-59 Coax Cable with "F" Connectors	32-3091	2	1	VHF/UHF/FM Amplifier
32-2006	2	1	Mini UHF/VHF/FM 6db Droptap	32-3094	2	1	4-Way Dist Amp-10dB-VHF/FM
32-2009	2	1	Mini UHF/VHF/FM 9db Droptap	32-3100	2	2	"F" Female to Push-On "F" Male
32-2012	2	1	Mini UHF/VHF/FM 12db Droptap	32-3102	2	1	RCA Male to "F" Female
32-2020	2	1	Mini UHF/VHF/FM 20db Droptap	32-3103	2	1	"F" Female to 3.5mm Male
32-2092	1	1	RF Modulator with RT & LT Channel	32-3104	2	1	BNC Male to "F" Female
32-3000	2	2	"F" Male Crimp-On RG-59	32-3108	2	1	"F" Male to RCA Female
32-3002	2	5	"F" Male Twist-On for RG-59/U	32-3109	2	1	RCA Female to BNC Male Adapter
32-3003	2	5	"F" Male Twist-On for RG-6/U	32-3110	2	1	Right Angle "F" Male to Female
32-3006	2	2	Female "F" Splice w/Nut & Washer	32-3111	2	1	Outdoor Mini UHF/VHF Antenna Amplifier
32-3007	2	1	Double "F" Male Coupler, Knurled	32-3115	2	1	BNC Male to UHF Female
32-3008	2	1	75 to 300 Ohm Indoor Transformer	32-3119	2	2	Double BNC Female
32-3010	2	1	75 to 300 Ohm Outdoor Transformer	32-3120	2	1	BNC Female to "F" Male
32-3011	2	1	VCR Replacement Cable	32-3121	2	1	BNC Female to RCA Male
32-3012	2	1	75 to 300 Ohm Push-On Transformer	32-3130	2	1	"F" Conn Coax Cable, Black, 3'
32-3015	2	1	Coax Grounding Block	32-3131	2	1	RG-59 "F" to "F" Video Cable, 6'
32-3018	2	1	2-Way Splitter w/Grounding Block	32-3132	2	1	RG-59 Video Cable, 12'
32-3022	2	1	4-Way Splitter w/Grounding Block	32-3142	2	1	RG-59 BNC Plug to BNC Plug Cable, 3'
32-3024	2	1	2-Way 75 Ohm A/B Switch	32-3143	2	1	RG-59 BNC Plug to BNC Plug Cable, 6'
32-3025	2	1	TV/Video Game Switch	32-3144	2	1	RG-59 BNC Plug to BNC Plug Cable, 12'
32-3026	2	1	75 to 300 Ohm Matching Transformer	32-3148	2	1	RG-59 RCA to RCA Video Cable, 3'
32-3027	2	1	75 to 300 Ohm Universal Game Switch	32-3149	2	1	RG-59 RCA to RCA Video Cable, 6'
32-3028	2	1	75 to 300 Ohm UHF/VHF Band Separator	32-3150	2	1	RG-59 RCA to RCA Video Cable, 12'
32-3029	2	1	3-Way Video Selector Switch	32-3154	2	1	RG-59 Phono RCA Plug Cable, 3'
32-3031	2	1	Channel 3 Signal/Combiner	32-3155	2	1	RG-59 BNC to Phono Cable, 6'
32-3032	2	1	75 to 300 Ohm UHF/VHF/FM Separator	32-3160	2	1	RG-59 Coax Rt Angle "F" Push-on Cable, 6'
32-3033	2	1	3-Way Splitter with Grounding Block	32-3162	2	1	Push-On "F-F" RG59U Connect, 6'
32-3035	2	1	75 to 300 Ohm Combiner Transformer	32-3163	2	1	RG-59 "F" Plug-Straight "F" Cable, 3'
32-3037	2	1	Auto Game Switch	32-3164	1	1	Picture in Picture Hookup Kit
32-3040	2	1	1-75 Ohm/1-300 Ohm Band Separator	32-3165	2	1	S-VHS Video Cable, 6'
32-3041	2	1	Channel 4 Signal Combiner	32-3166	2	1	S-VHS Video Cable, 12'
32-3042	2	1	1-75 Ohm/2-300 Ohm Band Separator	32-3167	2	1	S-VHS Video Cable, 25'
32-3045	2	1	75 to 300 Ohm UHF/VHF combiner transfer	32-3170	2	1	S-VHS Jack to S-VHS Jack Adapter
32-3049	2	1	Coax Feed-Thru Bushing	32-3173	2	1	RG-59 "F" Plug Cable
32-3053	2	1	Feed-Thru Wall Plate, Ivory	32-3174	2	2	"F" Female Pal Male
32-3054	2	1	Feed-Thru Wall Plate, White	32-3175	2	1	1.5' RG-59 "F" to "F" Plug Cable
32-3055	2	1	75 Ohm UHF/VHF Combiner Transfer	32-3176	2	1	RG-6 "F" Plug Video Cable, 6'

32 Phone (815)316-9080•Fax (815)316-9081

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VIDEO PROGRAMS (Cont.)

- Full Video Line Program 49-2212-A
- 150 Video Part Numbers
- 12 Foot Program
- Connectors, Splitters, Wall Plates, Cables

Program Contents:

Part No.	Quantity Per Program	Quantity Package	Description
32-3178	2	1	“F” to “F” Black Coax Cable, RG6U, 12’
32-3180	2	1	Voltage Blocking Coupler
32-3185	2	1	Coax Surge Suppressor
32-3195	2	1	Décor Dual “F” Ivory Wall Plate
32-3196	2	1	Décor Dual “F” White Wall Plate
32-3197	2	1	Dual “F” Connector White Wall Plate
32-3202	2	5	“F” Male Twist-On/Push-On RG-59&62
32-3203	2	1	2 Way DC Passive Splitter
32-3204	2	1	3 Way DC Passive Splitter
32-3205	2	1	4 Way DC Passive Splitter
32-3206	4	1	8 Way DC Passive Splitter
32-3210	2	1	A/B Coaxial Switch Box
32-3211	2	1	A/B High Isolation Switch
32-3212	1	1	A/B/C High Isolation Switch
32-3221	2	1	Remote Control A/B Switch
32-3222	2	1	2 Way Hi-Frequency Splitter, Gold
32-3230	2	1	RG-59 Gold “F” Type Cable, 3’
32-3231	2	1	Gold “F” - “F” Video Cable, 6’
32-3233	2	1	3 Way Hi-Frequency Splitter, Gold
32-3236	2	1	RG-59 Gold Dual-Phono RCA Type Cble,6’
32-3237	2	1	Triple RCA Gold Dubbing Cable, 6’
32-3240	2	1	Video System Selector
32-3244	2	1	4 Way Hi-Frequency Splitter, Gold
32-3273	2	1	25’ RG-6/U with Ground Wire
32-3275	2	1	Coax Dual Grounding Block, Gold
32-3330	2	1	RG-59 “F” to “F” White Coax Cable, 3’
32-3331	2	1	RG-59 “F” to “F” White Coax Cable, 6’
32-3332	2	1	RG-59 “F” to “F” White Coax Cable, 12’
32-3333	2	1	RG-6/U “F” to “F” White Coax Cable, 6’
32-3334	2	1	RG-6/U “F” to “F” White Coax Cable, 12’
32-3335	2	1	RG-59 “F” to “F” White Coax Cable, 25’
32-3336	2	1	RG-6/U “F” to “F” White Coax Cable
32-3344	2	1	RG-59U “F” White Cable, 50’
32-3345	2	1	RG-59 “F” to “F” Wht Coax Cable,100’
32-3351	2	6	Cable Clips for RG-6/U
32-3700	2	1	“F” Double Male Coupler
32-3701	2	2	RG-59 & 62 Gold Male Crimp-on 1/8”ring
32-3702	2	5	“F” Male Twist-On for RG59/U, Gold
32-3706	2	5	“F” Female Inline Splice w/washer,nuts-gold
32-3708	2	1	75 to 300 Ohm Indoor Transformer, Gold
32-3718	1	1	2-Way Splitter w/Ground Block, Gold
32-3722	2	1	4-Way Splitter w/Ground Block, Gold
32-3765	2	1	High Resolution Video Cable, 6’
32-3766	2	1	2 Meter Super VHS Video Cable
32-3767	2	1	5 Meter Super VHS Video Cable
32-4005	2	1	RG-6/U In-Line Amp, Gold
32-4040	2	1	Satellite Multi-Switch, Gold
32-4160	2	1	Combo Splitter,Duplexer, Dual Passive Gld
32-4164	2	1	Combo Splitter,Duplexer, Sngl Pass., Gld

Part No.	Quantity Per Program	Description
49-0449-10R	170	4” Hooks
49-2212-A3	1	Reorder Card Set
75-2055-R	3	Display Racks
75-3001-5R	12	L Brackets
75-3001-6R	12	2 Sided Tape, 5/8” x 8”
GC-HDR6-7561	3	Headers
GC-HDR6-7562	1	Header
GC-HDR6-7563	1	Header
GC-HDR6-7564	1	Header
GC-PK-7824	1	Packing List
GC-RM-7825	1	Road Map



AUDIO/VIDEO

VIDEO PROGRAMS (Cont.)



CABLE TIES

Contents:

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- Cable Tie Ordering Information p39
- Bulk Cable Ties p39
- EZ Off™ Cable Ties p40
- Retail Cable Ties p40



CABLE TIES

CABLE TIE VALUE PACK KITS (HOME & OFFICE)

Cable Tie Value Pack Kits (Great for Home or Office)

CTVP-300 is Our Most Economic Cable Tie Kit for Home and Office Use. Comes with an Assortment of 4" and 8" Cable Ties with Tensile Strengths of 18 and 40 Pounds, Respectively.

**Most
Economic**

Part No. CTVP-300

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs./80 Newtons	Natural	100 pcs.
4"	18 lbs./80 Newtons	Red	25 pcs.
4"	18 lbs./80 Newtons	Yellow	25 pcs.
4"	18 lbs./80 Newtons	Blue	25 pcs.
4"	18 lbs./80 Newtons	Green	25 pcs.
8"	40 lbs./178 Newtons	Red	25 pcs.
8"	40 lbs./178 Newtons	Blue	25 pcs.
8"	40 lbs./178 Newtons	Natural	50 pcs.

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.
40 lb tensile strength is 0.135" (3.43 mm) in width.



Cable Tie Value Pack Kits (Home & Office)

CTVP-1000 is Our Most Popular Cable Tie Kit for Home and Office Use and is Economically Priced. Includes an Assortment of 4" (18 Pound Tensile Strength) Cable Ties of Assorted Colors.

Part No. CTVP-1000

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs./80 Newtons	Assorted	1000 pcs.

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.

**Most
Popular**

**1000
Pieces**



CABLE TIES

CABLE TIE RETAIL PACKAGE KIT

Cable Tie Retail Pack Kit

CTRP-350 is Ideal for Point of Purchase Sales. Includes Hang Hole for Display Racks. Cable Ties Come in 4", 8" and 11" with Tensile Strength of 18, 40, 50 Pounds, Respectively. Comes in Assorted Colors.

Part No. CTRP-350

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs.	Natural	100 pcs.
4"	18 lbs.	Black	25 pcs.
4"	18 lbs.	Red	25 pcs.
4"	18 lbs.	Yellow	25 pcs.
4"	18 lbs.	Blue	25 pcs.
8"	40 lbs.	Natural	50 pcs.
8"	40 lbs.	Black	13 pcs.
8"	40 lbs.	Red	13 pcs.
8"	40 lbs.	Yellow	12 pcs.
8"	40 lbs.	Blue	12 pcs.
11"	50 lbs.	Black	13 pcs.
11"	50 lbs.	Red	13 pcs.
11"	50 lbs.	Yellow	12 pcs.
11"	50 lbs.	Blue	12 pcs.

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.
40 lb tensile strength is 0.135" (3.43 mm) in width.
50 lb tensile strength is 0.174" (4.42 mm) in width.



350
Pieces

CABLE TIE TACKLE BOX KIT-NEON

Cable Tie Tackle Box Kit-NEON

Brighten Up Your Day with Our **NEON** Cable Tie Kit. Reusable Tackle Box includes 4", 6", and 8" Cable Ties with Tensile Strengths of 18, 40, and 50 Pounds, Respectively. Comes in Assorted **NEON** Colors.

Part No. CTTB-400

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs./80 Newtons	Neon Pink	50 pcs.
4"	18 lbs./80 Newtons	Neon Orange	50 pcs.
4"	18 lbs./80 Newtons	Neon Green	50 pcs.
4"	18 lbs./80 Newtons	Neon Yellow	50 pcs.
6"	40 lbs./178 Newtons	Neon Pink	25 pcs.
6"	40 lbs./178 Newtons	Neon Orange	25 pcs.
6"	40 lbs./178 Newtons	Neon Green	25 pcs.
6"	40 lbs./178 Newtons	Neon Yellow	25 pcs.
8"	50 lbs./222 Newtons	Neon Pink	25 pcs.
8"	50 lbs./222 Newtons	Neon Orange	25 pcs.
8"	50 lbs./222 Newtons	Neon Green	25 pcs.
8"	50 lbs./222 Newtons	Neon Yellow	25 pcs.

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.
40 lb tensile strength is 0.135" (3.43 mm) in width.
50 lb tensile strength is 0.174" (4.42 mm) in width.



For the latest information—www.gcelectronics.com

All quantities are single; BU's are packages of 10 Unless otherwise noted.

CABLE TIE CANISTER PACK KITS (PROFESSIONAL/INDUSTRIAL)

Cable Tie Canister Pack Kits (Professional/Industrial)

These Kits Contain an Assortment of 4", 8" and 11" Ties with Tensile Strengths of 18, 40, and 50 Pounds, Respectively. The Cable Ties Come in a Re-useable Canister. For Professional/Industrial Use.



Part No. CTP-650

Part No. CTP-850

Part No. CTP-1000

Part No. CTP-1200

Part No. CTP-650

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs./80 Newtons	Natural	100 pcs.
4"	18 lbs./80 Newtons	Red	50 pcs.
4"	18 lbs./80 Newtons	Yellow	50 pcs.
4"	18 lbs./80 Newtons	Blue	50 pcs.
4"	18 lbs./80 Newtons	Green	50 pcs.
8"	50 lbs./222 Newtons	Natural	300 pcs.
11"	50 lbs./222 Newtons	Natural	50 pcs.

Part No. CTP-1000

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs./80 Newtons	Natural	200 pcs.
4"	18 lbs./80 Newtons	Red	100 pcs.
4"	18 lbs./80 Newtons	Yellow	100 pcs.
4"	18 lbs./80 Newtons	Blue	100 pcs.
4"	18 lbs./80 Newtons	Green	100 pcs.
8"	50 lbs./222 Newtons	Natural	350 pcs.
11"	50 lbs./222 Newtons	Natural	50 pcs.

Part No. CTP-850

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs./80 Newtons	Natural	100 pcs.
4"	18 lbs./80 Newtons	Red	100 pcs.
4"	18 lbs./80 Newtons	Yellow	100 pcs.
4"	18 lbs./80 Newtons	Blue	100 pcs.
4"	18 lbs./80 Newtons	Green	100 pcs.
8"	50 lbs./222 Newtons	Natural	300 pcs.
11"	50 lbs./222 Newtons	Natural	50 pcs.

Part No. CTP-1200

Length	Min. Tensile Strength	Color	Quantity
4"	18 lbs./80 Newtons	Natural	200 pcs.
4"	18 lbs./80 Newtons	Red	200 pcs.
4"	18 lbs./80 Newtons	Yellow	100 pcs.
4"	18 lbs./80 Newtons	Blue	100 pcs.
4"	18 lbs./80 Newtons	Green	100 pcs.
8"	50 lbs./222 Newtons	Natural	400 pcs.
11"	50 lbs./222 Newtons	Natural	100 pcs.

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.
40 lb tensile strength is 0.135" (3.43 mm) in width.
50 lb tensile strength is 0.174" (4.42 mm) in width.

BULK CABLE TIE ORDERING INFORMATION

Our Cable Tie Part Numbers are easy to understand. This chart breaks down the Cable Tie Part Numbers.

CT **18** - **4** **NAT** - **C** - **WR**
Family **Tensile Strength** - **Length** **Color** - **Pack Size** - **Options**

Family	Tensile Strength	Length	Color	Pack Size	Options
CT	18 lbs./80 Newtons	3 = 3 Inches	NAT = Natural	Q = 25 pieces	WR = Weather Resistant Black
		4 = 4 Inches	BLK = Black	L = 50 pieces	HS = Heat Stabilizer
		5 = 5 1/2 Inches	RED = Red	C = 100 pieces	FR = Fire Retardant
		8 = 8 Inches	WHT = White	M = 1000 pieces	N12 = Nylon 12
	40 lbs./178 Newtons	4 = 4 3/4 Inches	BLU = Blue		
		6 = 6 Inches	YEL = Yellow		
		8 = 8 Inches	GRN = Green		
		11 = 11 Inches	ORG = Orange		
	50 lbs./222 Newtons	14 = 14 1/2 Inches	PUR = Purple		
		4 = 4 3/4 Inches	GRY = Gray		
		6 = 6 1/4 Inches	GRN/NEON = Neon Green		
		8 = 8 Inches	PNK/NEON = Neon Pink		
	120 lbs./534 Newtons	11 = 11 Inches	YEL/NEON = Neon Yellow		
		14 = 14 1/2 Inches	ORG/NEON = Neon Orange		
		17 = 17 Inches	(Custom colors also available.)		
		17 = 17 3/4 Inches			
	175 lbs./778 Newtons	24 = 24 Inches			
		30 = 30 Inches			
		37 = 37 Inches			
		48 = 48 Inches			

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.
40 lb tensile strength is 0.135" (3.43 mm) in width.
50 lb tensile strength is 0.174" (4.42 mm) in width.
120 lb tensile strength is special order only.
175 lb tensile strength is special order only.

**Always
in Stock!**

MOST POPULAR BULK CABLE TIES



Natural

Black

Most Popular Bulk Cable Ties

Stock Bulk Cable Ties Come in Polybags in Quantities of 25, 50, 100 or 1,000 Pieces.

Retail Part No.	Strength Classification	Max. Bundle Diameter
CT18-4NAT-C	Miniature	.625 in./15.875 mm
CT18-4NAT-M	Miniature	.625 in./15.875 mm
CT18-4BLK-C	Miniature	.625 in./15.875 mm
CT18-4BLK-M	Miniature	.625 in./15.875 mm
CT18-5NAT-C	Miniature	1.25 in./31.75 mm
CT18-5NAT-M	Miniature	1.25 in./31.75 mm
CT18-5BLK-C	Miniature	1.25 in./31.75 mm
CT18-5BLK-M	Miniature	1.25 in./31.75 mm
CT18-8NAT-C	Miniature	1.875 in./47.625 mm
CT18-8NAT-M	Miniature	1.875 in./47.625 mm
CT18-8BLK-C	Miniature	1.875 in./47.625 mm
CT18-8BLK-M	Miniature	1.875 in./47.625 mm
CT40-6NAT-C	Intermediate	1.00 in./25.4 mm
CT40-6NAT-M	Intermediate	1.00 in./25.4 mm
CT40-6BLK-C	Intermediate	1.00 in./25.4 mm
CT40-6BLK-M	Intermediate	1.00 in./25.4 mm
CT40-8NAT-C	Intermediate	1.875 in./47.625 mm
CT40-8NAT-M	Intermediate	1.875 in./47.625 mm
CT40-8BLK-C	Intermediate	1.875 in./47.625 mm
CT40-8BLK-M	Intermediate	1.875 in./47.625 mm

Retail Part No.	Strength Classification	Max. Bundle Diameter
CT40-11NAT-C	Intermediate	3.00 in./76.2 mm
CT40-11NAT-M	Intermediate	3.00 in./76.2 mm
CT40-11BLK-C	Intermediate	3.00 in./76.2 mm
CT40-11BLK-M	Intermediate	3.00 in./76.2 mm
CT40-14NAT-C	Intermediate	4.00 in./101.6 mm
CT40-14NAT-M	Intermediate	4.00 in./101.6 mm
CT40-14BLK-C	Intermediate	4.00 in./101.6 mm
CT40-14BLK-M	Intermediate	4.00 in./101.6 mm
CT50-8NAT-C	Standard	1.875 in./47.625 mm
CT50-8NAT-M	Standard	1.875 in./47.625 mm
CT50-8BLK-C	Standard	1.875 in./47.625 mm
CT50-8BLK-M	Standard	1.875 in./47.625 mm
CT50-11NAT-C	Standard	3.00 in./76.2 mm
CT50-11NAT-M	Standard	3.00 in./76.2 mm
CT50-11BLK-C	Standard	3.00 in./76.2 mm
CT50-11BLK-M	Standard	3.00 in./76.2 mm
CT50-14NAT-C	Standard	4.00 in./101.6 mm
CT50-14NAT-M	Standard	4.00 in./101.6 mm
CT50-14BLK-C	Standard	4.00 in./101.6 mm
CT50-14BLK-M	Standard	4.00 in./101.6 mm

Strength Classification Uses

Miniature - Audio/Video and other small wire bundling
Intermediate - Medium Strength for Indoor/Enclosed Applications
Standard - Standard Duty for Indoor/Enclosed Applications, and Identification Purposes
Heavy Duty - Heavy Duty Bundling for Outdoor Applications

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.
40 lb tensile strength is 0.135" (3.43 mm) in width.
50 lb tensile strength is 0.174" (4.42 mm) in width.

E-Z OFF™ CABLE TIES

E-Z OFF™ Cable Ties

E-Z Off™ Cable Ties Provide for a Strong, Secure Locking Device that is Easily Removed without the Need of a Cutting Device. Comes in 6" and 8" with a Tensile Strength of 40. Use for Securing Shipping Containers, Attaching Sports Netting, Tag Attaching, Temporary Job Site Cabling, Agricultural Uses, Tier 1 & 2 Automotive Suppliers, Tenting, or Anywhere a Tie is Used as a Temporary Securing Device.

To remove an E-Z Off™ tie, a user **simply pulls down on the tear-off arm** located on the right side of the head of the tie.

Since E-Z Off™ cable ties can be removed by hand, without a cutting device, the safety of your employees is enhanced and bundled material is undamaged. No more searching for a tool to remove the tie. E-Z Off™ cable ties allow **1 time use only**. Once removed, the tie cannot be re-attached or re-used.

Retail Part No.	Length	Tensile Strength Min.	Color	Pieces Per Bag	Maximum Bundle
34-490-C	6"	40 lbs./178 Newtons	Natural	100	1.5"
34-491-C	6"	40 lbs./178 Newtons	Red	100	1.5"
34-492-C	6"	40 lbs./178 Newtons	Blue	100	1.5"
34-493-C	6"	40 lbs./178 Newtons	Green	100	1.5"
34-494-C	6"	40 lbs./178 Newtons	Orange	100	1.5"
34-495-C	6"	40 lbs./178 Newtons	Yellow	100	1.5"
34-496-C	6"	40 lbs./178 Newtons	Purple	100	1.5"
34-497-C	6"	40 lbs./178 Newtons	Black	100	1.5"
34-500-C	8"	40 lbs./178 Newtons	Natural	100	2.0"
34-501-C	8"	40 lbs./178 Newtons	Red	100	2.0"
34-502-C	8"	40 lbs./178 Newtons	Blue	100	2.0"
34-503-C	8"	40 lbs./178 Newtons	Green	100	2.0"
34-504-C	8"	40 lbs./178 Newtons	Orange	100	2.0"
34-505-C	8"	40 lbs./178 Newtons	Yellow	100	2.0"
34-506-C	8"	40 lbs./178 Newtons	Purple	100	2.0"



NOTE: 40 lb tensile strength is 0.135" (3.43 mm) in width.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Retail Part No.	Bulk Part No.	Figure No.	Description	Length	Holding Diameter	Tensile Strength (Pounds)	Color
34-439-C		4	Self Locking Cable Tie	3-1/4"	5/8"	18 lbs./80 Newtons	Natural
65032-C		1	Self Locking Cable Tie	4"	13/16"	18 lbs./80 Newtons	Black
34-451-C		4	Self Locking Cable Tie	4"	13/16"	18 lbs./80 Newtons	Natural
34-452-C		2	Self Locking Cable Tie	6"	1-3/8"	30 lbs./133 Newtons	Black
34-454-C		3	Self Locking Cable Tie	8"	2"	40 lbs./178 Newtons	Black
65004-C		4	Self Locking Cable Tie	8"	2"	75 lbs./333 Newtons	Natural
34-458-C		5	Cable Tie UV	11"	3"	60 lbs./267 Newtons	Black
65036-C		5	Self Locking Cable Tie	15"	4"	120 lbs./534 Newtons	Black

NOTE: 18 lb tensile strength is 0.097" (2.46 mm) in width.

30 lb tensile strength is 0.128" (3.25 mm) in width.

40 lb tensile strength is 0.135" (3.43 mm) in width.

50 lb tensile strength is 0.174" (4.42 mm) in width.

60 lb tensile strength is 0.167" (4.24 mm) in width.

120 lb tensile strength is special order only.

For tie mounts, see wire section, page 427.



CHEMICALS & PRINTED CIRCUIT

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NEWEST PRODUCTS

Chem

Big Bath ISO

75% VOC

Big Bath ISO does not deplete the ozone layer. Safe on all plastics. Contains no HFCs. Cleans and restores relays, controls, switches, etc. Removes oil, dust, and other contaminants. Leaves no residue. For use on de-energized equipment.

Flammable

Part No. 19-904-A 9 oz. Aerosol

Big Bath³ Contact Cleaner



Big Bath³ Contact Cleaner is the replacement choice for HCFC 141b cleaners (contains no HCFC's or CFC's). It is non-flammable, non-ozone depleting, and is safe on some plastic. This non-residue cleaner is effective on switches, PC boards, motors, electrical and electronic components. Big Bath³ helps dissipate moisture, and is fast drying.

Applications:

Can be used on live circuits, including switches, relays, controls PC boards, motors, electrical and electronic components. Test for compatibility with sensitive plastics. Incompatible with ABS, PS, and Lexan.

Environmental Data:

CFC: 0% HCFC: 0% ODP: 0 VOC: 56%

Part No. 19-913 16 oz. Aerosol Replaces Part No. 19-624



Part No. 19-907 16 oz. Anti-Static Aerosol Replaces Part No. 19-902-SF & 19-903-SF



Big Bath³ Contact Cleaner and Degreaser



Big Bath³ Cleaner and Degreaser is an excellent non-flammable general purpose cleaner/degreaser. The product is non-ozone depleting (contains no HCFC's or CFC's). It is a replacement for cleaner/degreasers containing HCFC 141b. Big Bath³ Cleaner and Degreaser will dissipate moisture and is safe on some plastics.

Applications:

General cleaning and degreasing applications, electronic and electrical equipment. Test for compatibility with sensitive plastics. Incompatible with ABS, PS, and Lexan. Can be used on energized circuits.

Environmental Data:

CFC: 0% HCFC: 0% ODP: 0 VOC: 58%

Part No. 19-905 12 oz. Aerosol Replaces Part No. 19-902, 19-903-6, 19-2903-3

Part No. 19-906 16 oz. Aerosol Replaces Part No. 19-903 & 19-2903-8



GC NPB³ – Cleaner and Degreaser



GC NPB³ – Cleaner and Degreaser is an aggressive cleaner used for removing a broad range of contaminants and heavy soils. Highly recommended for metal cleaning. Contains no HCFC's or CFC's and is non-ozone depleting. Is safe on most surfaces except polycarbonate, polystyrene, ABS and acrylic materials. (To insure complete compatibility, test before use.)

Applications:

Heavy soils on metal, motors, machinery and other types of metal cleaning. Can be used on energized circuits.

Environmental Data:

CFC: 0% HCFC: 0% ODP: 0 VOC: 70%

Part No. 19-801 12 oz. Aerosol



NEWEST PRODUCTS (Cont.)

Chem



Part No. 19-158



Part No. 19-159

Electronic Grade Silicone Sealant/Adhesive



One part non-corrosive, neutral cure electronic grade silicone sealant. Will remain flexible from -70° F to +400° F. (-57° C to +204° C) An excellent adhesive for many electrical and electronic applications where corrosion to metals is a problem. Good dielectric properties, high surface resistivity and resists electrical tracking.

Part No. 19-158 10.2 fl. oz. Caulk Tube Color: White

Part No. 19-159 2.8 fl. oz. Cartridge Color: White



Silicone (Z9)



Industry standard zinc oxide filled silicone heat sink grease for most applications. Will not soften at elevated temperatures or dry out or harden.

Part No. 10-8108 6.5g tube

Part No. 10-8109 1 oz. tube

Part No. 10-8106 1 lb. can



GC Electronic Grade Self Leveling Potting Silicone Sealant



Electronic Grade Self Leveling Silicone is a one-component, RTV (room temperature vulcanizing) product that uses new cross-linking mechanism as a cure method. No acetic or other corrosive by-products are generated during the curing process. It can be used in corrosion sensitive electrical or electronic equipment with no adverse effect and cures at room temperature.

Temperature Range (after cure): -57°C to +204°C (-70°F to +400°F)

Dielectric Strength: 452 V/mil (173 KV/cm)

Thermal Expansion Coefficient: 9×10^{-4} 1/K

Volume Resistivity: 0°C to 100°C (32°F to 212°F)

$>2.19 \times 10^{15}$ Ohm/cm

Part No. 19-160 10.2 fl. oz. Caulk Tube Clear



Part A



Part B

Thermally Conductive Potting Epoxy and Adhesive



This potting Epoxy and adhesive is a highly filled medium viscosity black casting resin formulated for application requiring a high degree of thermal conductivity. Mix ratio 1:1. It contains abrasive aluminum oxide filler which can introduce wear considerations. Cure is normally achieved at room temperature, although an elevated cure schedule can be used to reach final properties quickly.

Temperature Range: -40°C to 150°C (40°F to 300°F)

Dielectric Strength: 430 V/mil

Thermal Conductivity: 7.34 (Btu * in/ft² hr °F)

Thermal Expansion Coefficient: 44×10^{-6} °C

Volume Resistivity: 2.14×10^{12} Ohm/cm

Part No. 19-161 2-4 oz. Containers

AEROSOLS

Chem

Formulating the Future

GC Electronics has been the primary supplier of electronics to the electrical and electronic industry since 1930. In 1997, GC upgraded its technology base to include the new environmental laws. GC has come up with a starting line-up of contact cleaners to comply with these laws; Big Bath, and Big Bath ISO. Big Bath ISO is a new contact cleaner that is non-ozone depleting and can be sold to anyone. Plus, it contains no CFC's or HCFC's and is safe on all plastics.

GC offers a complete line of chemicals for use by electronics, electrical and industrial users. In addition to offering the most up-to-date line of aerosols, GC also supplies hard-to-find non-aerosols. GC also offers a broad range of adhesives, heat sink compounds, lubricants and conformal coatings.



Air Jet®

Air Jet is formulated for the dusting and cleaning of components and equipment. Air Jet contains no flammable additives. This high pressure product is used for blowing dust, dirt and residue out of hard to reach places without scratching. Air Jet is an excellent product for both home and office use.

Applications: Computers, keyboards, printers, fax machines, audio equipment, video equipment, typewriters.

Air Jet contains no ozone depleting chemicals. Anti static formulation minimizes the risk of electrostatic damage to sensitive components.

Part No. 19-8508	8 oz. Aerosol
Part No. 19-8475-10	10 oz. Aerosol
Part No. 19-8475	12 oz. Aerosol
Part No. 19-8475-SF	12 oz. Anti-Static Aerosol



Freeze Mist

Freeze Mist is a refrigerant spray used to locate thermal intermittents in electronic components such as capacitors, resistors and semi-conductors. Great for removing chewing gum from fabrics, freezing adhesives for easy removal, protecting heat sensitive components during soldering or for thermal fitting metal parts. The flow control trigger nozzle enables the user to apply the product with pinpoint accuracy and reduce product usage.

Applications: Avionics, electronic equipment, computers.

Freeze Mist contains no ozone depleting chemicals. The anti static formulation minimizes the risk of electrostatic damage to sensitive components.

Part No. 19-8410-10	10 oz. Aerosol
Part No. 19-8410	12 oz. Aerosol
Part No. 19-8410-SF	12 oz. Anti-Static Aerosol



Isopropyl Alcohol (Anhydrous)

%75 VOC Formula

Does an excellent job of dissolving and removing oxides from recording heads, also an excellent degreaser. Leaves no residue. This is not an aerosol, but an aerosol-style can with a snap on top. Suggested for use with swabs, clean cloth, or by immersion or trigger sprayer.

Part No. 10-1507-A	16 fl. oz.
Part No. 10-1507-AG	1 gal.
Part No. 10-1507-A6G	6 gal.

HYDROCARBON PRODUCTS

Chem



Big Bath® ISO



%75 VOC

Big Bath ISO does not deplete the ozone layer. Safe on all plastics. Contains no HCFC's. Cleans and restores relays, controls, switches, etc. Removes oil, dust and other contaminants. Leaves no residue. For use on de-energized equipment. Flammable.

Part No. 19-904-A 9 oz. Aerosol



Big Bath³ Contact Cleaner and Degreaser



Big Bath³ Cleaner and Degreaser is an excellent non-flammable general purpose cleaner/degreaser. The product is non-ozone depleting (contains no HCFC's or CFC's). It is a replacement for cleaner/degreasers containing HCFC 141b. Big Bath³ Cleaner and Degreaser will dissipate moisture and is safe on some plastics.

Applications:

General cleaning and degreasing applications, electronic and electrical equipment. Test for compatibility with sensitive plastics. Incompatible with ABS, PS, and Lexan. Can be used on energized circuits.

Environmental Data:

CFC: 0% HCFC: 0% ODP: 0 VOC: 58%

Part No. 19-905 12 oz. Aerosol

Part No. 19-906 16 oz. Aerosol



Big Bath³ Contact Clean



Big Bath³ Contact Cleaner is the replacement choice for HCFC 141b cleaners (contains no HCFC's or CFC's). It is non-flammable, non-ozone depleting, and is safe on some plastic. This non-residue cleaner is effective on switches, PC boards, motors, electrical and electronic components. Big Bath³ helps dissipate moisture, and is fast drying.

Applications:

Can be used on live circuits, including switches, relays, controls PC boards, motors, electrical and electronic components. Test for compatibility with sensitive plastics. Incompatible with ABS, PS, and Lexan.

Environmental Data:

CFC: 0% HCFC: 0% ODP: 0 VOC: 56%

Part No. 19-913 16 oz. Aerosol

Part No. 19-907 16 oz. Anti-Static Aerosol



Jiffy Bath



%75 VOC

Consists of hydrocarbon solvents, safe for use on most materials. It possesses a balanced ratio of cleaning solvents for lubricating and protecting ingredients. Contains silicone oils which will not oxidize and will remain active as protective coating and lubricating agent for years, even under adverse environmental conditions such as high humidity and contaminated atmosphere. One of the most universal and safe contact cleaners and may be used on all rotating and sliding contacts in any types of switches or controls.

Part No. 19-638-A 4 oz. Aerosol

Part No. 19-640-A 10 oz. Aerosol



GC Bath



Contact Cleaner/Degreaser for De-Energized Equipment

GC Bath is formulated as a heavy duty cleaner/degreaser. Exceptional performance can be expected where heavy buildups of grease, oil, dirt, grime, adhesive, and other unwanted substances are encountered. Test for compatibility with sensitive plastics. GC Bath is formulated with no chlorinated solvents and thus has no ozone depleting chemicals. No CFC's. No HCFC's.

Part No. 19-724-A 4 oz. Aerosol

Part No. 19-725-A 10 oz. Aerosol

HYDROCARBON PRODUCTS (Cont.)



GC NPB³ – Cleaner and Degreaser

GC NPB³ – Cleaner and Degreaser is an aggressive cleaner used for removing a broad range of contaminants and heavy soils. Highly recommended for metal cleaning. Contains no HCFC's or CFC's and is non-ozone depleting. Is safe on most surfaces except polycarbonate, polystyrene, ABS and acrylic materials. (To insure complete compatibility, test before use.)

Applications:

Heavy soils on metal, motors, machinery and other types of metal cleaning. Can be used on energized circuits.

Environmental Data:

CFC: 0% HCFC: 0% ODP: 0 VOC: 70%

Part No. 19-801 12 oz. Aerosol
New Size



DE-OX-ID

Solventless, light oil based contact treatment compound with active ingredients to counteract oxidation. Lowers contact resistance, inhibits arcing, lubricates and protects against corrosion. For use on connectors, sockets, potentiometers, switch contacts, battery connections, telescoping antennas, relay and thermostat contacts. Should be applied sparingly (e.g. with a toothpick or a hypodermic needle injector) on dirty, dusty and heavily oxidized contacts. Precleaning with a solvent type cleaner is recommended. Best results are obtained with small amounts.

Part No. 19-1902 2 oz. Bottle

Part No. 19-1906-A 4 oz. Aerosol - %75 VOC
19-1906-A Replaces 19-723

FLUX REMOVERS



Static-Free High Strength Flux Remover



%75 VOC

A powerful Flux Remover that will dissolve and flush away all known fluxes immediately. May cause loss of nomenclature from capacitors or like products. Can discolor some plastics. Will not harm circuit performance. Static-free formulation..

Part No. 19-7522-A Static-Free 18 oz. Aerosol
Replaces Part No. 19-7522



GC Flux Solv



For De-Energized Equipment

GC Flux Solv has a hydrocarbon/alcohol base. It is excellent for the removal of Ionic and Non-Ionic fluxes from electronic components, PC boards or other surfaces requiring an extra strength flux remover. Fast evaporation. GC Flux Solv is formulated with no chlorinated solvents and thus has no ozone depleting chemicals. No CFCs or HCFCs.

Part No. 19-825-G 1 gal pack
Part No. 19-825-4G 4 gal pack



Flux Remover & Cleaner II

%75 VOC

Removes all types of organic flux. Pinpoint applicator supplied. Non ODC.

Part No. 19-229-A 16 fl. oz. Can

Part No. 22-271-A 16 oz. Aerosol



Glass & Plastic Cleaner



Wipes dirt, dust and grime from all glass and plastic surfaces without leaving streaks or dulling residue. Contains grease-cutting ammonia. Convenient aerosol packaging. Economical for home or industry. Good for flat screen TV's and computer monitors.

Part No. 10-9082 19 oz. Aerosol



GC LCD/Plasma Screen & Glass Cleaner with Static Guard Treatment



For use on computer screens, flat screens eyeglasses, windows, windshields, glass, plastics and other finished surfaces. Safe on non-glare and other coating. Easy to apply and use. Is streak free and very effective in removing dirt, oily films, smudges and other deposits with minimum effort.

Uses silicone-glycol polymers to provide a high luster and minimize or eliminate dust attracting static. Harmless on most surfaces, and will not scratch, discolor or streak.

Part No. 10-1756 6 fl. oz. Pump
N.S.N. 7930-01-053-3758

HEAD CLEANERS



VCR/Magnetic Head Cleaner

VCR/Magnetic Head Cleaner removes dust, dirt and oxide from record and playback heads on VCR's, cassette decks and computer drives. Evaporates quickly and leaves no residue.

Part No. 19-5302	2 fl. oz. Non-Aerosol
	Replaces Part No. 10-5302
Part No. 19-5302-G	1 gal. pack
Part No. 19-5302-4G	4 gal. pack
Part No. 19-5304	4 oz. Aerosol



Travel Dispenser

Designed for easy one-handed delivery of a wide variety of liquids onto a cloth, cleaning pad, cotton ball or other wipe-on applicators. Can conveniently apply polishes, removers or other liquid products onto the applicator eliminating direct hand contact, spillage, fumes and waste while protecting product quality. The locking top makes this product excellent for use in the technicians tool box. This dispenser is available empty or prefilled with two of your favorite GC Chemicals: Isopropyl Alcohol or Head Cleaner.

Part No. 19-770	4 fl. oz. Isopropyl Alcohol
Part No. 19-773	4 fl. oz. VCR/Magnetic Head Cleaner
Part No. 19-774	4 fl. oz. Dispenser only

LUBRICANTS



White Lithium Grease

White, lithium soap base grease lubricant that provides superior lubrication and reduces friction and wear to a minimum. Suitable for use on wiping contacts. It retains consistency over a wide range of temperatures, will not oxidize or harden and provides outstanding protection against corrosion.

Part No. 19-2302	1 3/4 fl. oz. Tube
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Tunerlub

Special lubricant for high frequency contact applications such as television tuners. Purified without traces of metals or metal oxides. Gives lasting protection against oxidation and corrosion. Especially important for use on equipment operated in corrosive atmospheres such as seashores or in industrial areas.

Part No. 10-2610	1 3/4 fl. oz. Tube
N.S.N. 9150-01-054-0546	



Anti-Oxidant Grease

A lithium soap base grease with zinc and graphite fillers. Use for wire connectors and aluminum conduit joints. Penetrates aluminum oxide to maintain inter-strand and inter-conductor current paths. Guards against oxidation, improves conductivity and produces a cooler connection.

Part No. 19-826	1 oz.
	Replaces Part No. 19-820



Luberex

Superior calcium stearate base grease compound for general use in industry, the shop or at home. Provides excellent lubrication for bearings, appliances, hand tools, bicycles and other sporting equipment including fishing reels and guns; also for business machines, instruments and automotive lubrication. Excellent dielectric properties.

Part No. 10-1206	2 fl. oz. Tube
Part No. 10-1206-1G	1 Gal. Can

Phonolube

Light bodied grease made of polymerized oil, specially developed for the lubrication of small geared mechanisms such as phonographs, record changers, TV channel and record mechanisms, etc. Retains its viscosity over a wide range of temperatures. Highly resistant to oxidation. Will retain its excellent lubricating qualities for years.

Part No. 10-1223	2 fl. oz. Tube
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Pocket Oiler

Synthetic Multi-Purpose oil in a leakproof see-through plastic barrel container with pocket clip attached. Accurately dispenses one drop at a time. For use on electronic and electrical devices, clocks, office machines and sporting goods. Not refillable.

Part No. 10-8884	0.135 fl. oz.
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Reach-All Pen Oiler

High quality, non-gumming instrument oil. Tube extends and retracts. Excellent for lubricating instruments, gears, timers, clocks, guns, fishing reels, and other densely mechanized items.

Part No. 10-985 1/2 fl. oz. Pen Type Cartridge
Replaces Part No. 10-984



Graphite Lubricant

Dry powdered graphite is the finest lubricant for metal, wood, plastic, and rubber. (No solvents to harm plastics.) Guards against sticking and dirt build up. Reduces wear and corrosion. Ideal for many uses including locks, hinges, doors, wheels, and rubber parts.

Part No. 19-821 1 1/8 oz.



Sili-Spray

Quality silicone lubricant. Handy aerosol features adjustable 3-way valve. Dispenses lubricating film either light, medium, or heavy according to need. Leaves no residue buildup. Ideal for home, office, workshop, hinges, slides, and other moving parts on automobiles, boats, appliances, toys and drawers (wooden types). May be painted over.

Part No. 19-601 4 oz. Aerosol



Dry TFE

GC Dry TFE is an all purpose dry film lubricant and release agent that contains minute Teflon® particles to lubricate where a dry lubricant is needed. Excellent as a mold release and for potting compounds. Temperatures range: -300° F to +500° F. (Teflon is a registered trademark of Dupont.)

Part No. 19-810 4 oz. Aerosol

ADHESIVES

GC Electronics offers three basic types of adhesives:

1. **EPOXY CEMENTS:** Among the strongest and most universal of all bonding materials. They consist of two parts which must be mixed before applications. Epoxies dry without heat or pressure at room temperature through catalytic action.
2. **CYANOACRYLATE ADHESIVES:** Do not require the use of an added catalyst, nor heat or pressure. Dries within seconds through the process of polymerization.
3. **SOLVENT-RELEASE ADHESIVES:** Resins or polymers in solution. This general category also includes welding type adhesives which create a bond of exceptional strength.

EPOXY CEMENTS

Two-component, solventless cements which form an exceptionally strong bond (up to 4,000 psi) and they do not shrink on curing. May be used to cement porous and non-porous substances including all metals, glass, ceramics, most plastics, cardboard, wood, rubber, and fiber. They resist moisture, most solvents, acid, and alkalis. The consistency of epoxy is that of semi-fluid or putty. They have a tendency to "fill-in" and will produce strong bonds even if the parts to be cemented do not match perfectly. Epoxy cures at room temperature, but elevated temperatures (up to 80°C) may be employed to speed up the curing time. All GC epoxy cements are easy to prepare as they require a 50/50 composition to be mixed. This can be judged when squeezing out the tube, for the exact ratio is not critical. The working life, often called "pott life" of the mixture, is the time span from mixing the two parts until the chemical reaction starts to harden the compound. A product with short working, and correspondingly short curing time, is indicated where a single repair is to be made and the mixture can be applied immediately after preparation. For production purposes, a type with long pott life should be selected.



Quik Stik

5 Minutes Set



Clear, fast curing epoxy adhesive. In view of its short pott life, use is recommended when a single repair must be made and the mixed adhesives can be used within one or two minutes. Cemented items can be safely handled within eight to twelve minutes, with full hardness obtained after several hours. This cement is relatively thin in consistency and should be used to cement closely matching surfaces. The glue line is usually invisible.

Part No. 10-114 Pkg. of two 1/2 fl. oz. Tubes

Part No. 19-822 Double Syringe .0105 oz.



2 Part Epoxy Super Glue

5-6 Hour Set



Versatile epoxy cement particularly suitable for cementing non-porous materials. Cures at room temperature. Bond strength of over 3000 psi. Will not shrink through curing. Resistant to water, solvents, heat, cold and fungus. Excellent dielectric properties. Mix in equal parts from two tubes.

Part No. 10-100 Pkg. of two 3/4 oz. Tubes



2 Part Epoxy Glue

5 Hours Set



Provides an exceptionally hard and strong bond. Good dielectric properties. Gray-white in color with fillers added to increase viscosity and make it thixotropic (non-running). May be used to fill gaps or to replace broken sections. Bonds may be over-filled and filed or sanded after curing.

Part No. 10-347

Pkg. of two 2 fl. oz. Tubes

N.S.N. 8040-00-281-2308



Epoxy Putty



GC Epoxy Putty is a two part epoxy in a single tube. Amount needed is cut off and kneaded together. Two minute work life. Dielectric strength: 400 volts/mil. Sets hard in 20 minutes, may be drilled and tapped. Max. useful temp. 300° F.

Applications: Plumbing repairs, works under water. Electrical, use in place of tape.

Part No. 19-348 4 oz. Tube



Conductive Epoxy



Electrically conductive silver filled two part for attaching electrical components. Mix ratio 1/1. Pot life 40 min. Cure 24 hours. Vol. res. .005 ohm-cm max.

Part No. 19-2092 .2116 oz. Kit



GC Potting Epoxy



Black opaque epoxy used for potting and encapsulating electronic circuits. Use to environmentally protect or conceal circuits. This product is excellent when used with Chassis Boxes. Working Time (Pot life), 1 Hour, Mix ratio: 1 to 1, Temperature Range: -40° to 300° F.

Electrical Properties:

Volume Resistivity: 8.3×10^{14} Ohm-cm

Dielectric Constant: 3.5 (25°C, 100 Hz)

Dielectric Strength: 410 v/mil

Part No. 19-823 8 oz. Kit (2-4 oz. Bottles)

Part No. 19-824 18 oz. Kit (2-9 oz. Bottles)

Part No. 19-824-2G 2 gal. Kit (two 1 gal. containers)

EPOXY CEMENTS (Cont.)

GC Electronic Grade Self Leveling Potting Silicone Sealant



Electronic Grade Self Leveling Silicone is a one-component, RTV (room temperature vulcanizing) product that uses new cross-linking mechanism as a cure method. No acetic or other corrosive by-products are generated during the curing process. It can be used in corrosion sensitive electrical or electronic equipment with no adverse effect and cures at room temperature.

Temperature Range (after cure):	-57°C to +204°C (-70°F to +400°F)
Dielectric Strength:	452 V/mil (173 KV/cm)
Thermal Expansion Coefficient:	9 x 10 ⁻⁴ 1/K 0°C to 100°C (32°F to 212°F)
Volume Resistivity:	>2.19 x 10 ¹⁵ Ohm/cm

Part No. 19-160 10.2 fl. oz. Caulk Tube, Clear

Thermally Conductive Potting Epoxy and Adhesive



Part A



Part B

This potting Epoxy and adhesive is a highly filled medium viscosity black casting resin formulated for application requiring a high degree of thermal conductivity. Mix ratio 1:1. It contains abrasive aluminum oxide filler which can introduce wear considerations. Cure is normally achieved at room temperature, although an elevated cure schedule can be used to reach final properties quickly.

Temperature Range:	-40°C to 150°C (40°F to 300°F)
Dielectric Strength:	430 V/mil
Thermal Conductivity:	7.34 (Btu * in/ft ² hr °F)
Thermal Expansion Coefficient:	44 (x 10 ⁻⁶ °C)
Volume Resistivity:	2.14 x 10 ¹² Ohm/cm

Part No. 19-161 two - 4 oz. Containers

CYANOACRYLATE ADHESIVES & DEBONDERS

"Instant bonding" cyanoacrylate adhesives cure in seconds, do not depend on evaporation of solvents and require no clamping. They are colorless and moisture resistant. They are ideal for bonding metals, plastics, rubber, glass and ceramics to each other or to dissimilar materials. Bonding strength up to several thousand psi is possible making them among the strongest adhesives available. These adhesives are economical, as only a drop is required. The best type should be determined by experimentation. Use them to repair broken plastic cabinets and other plastic items, attaching nameplates and rubber feet to panels and chassis, cementing broken ceramic glass and rubber items, repairing jewelry, etc. Porous surfaces may be bonded with Gelweld No. 19-0117. The average setting time is between 10 and 100 seconds, after which the cemented articles can be handled. These adhesives may even be used to bond surfaces which are normally difficult to cement, such as teflon, polyethylene, vinyl, silicone rubber and glass.

GR-R-RIP



World famous Ethyl Cyanoacrylate rapid bonding adhesive in gravity fed bottle. Bond strength not affected by temperatures from -60°C to 85°C (-76°F to 185°F).

Part No. 19-115 0.106 fl. oz. Bottle

GC Super Adhesive

Ethyl Cyanoacrylate Adhesive



Forms strong, lasting bonds in seconds between either similar or dissimilar materials metal, porcelain, plastic, glass, most rubbers, hardwoods, and other non-porous materials with smooth, close-fitting surfaces. The bond resists softening at temperatures up to 320°F (160°C). Your most versatile adhesive for bonding, attaching, fixturing. Cures to a strength of 5000 psi; because it is solvent-free, there is no shrinking during curing and no solvent fumes. Fills gaps to .003".

Meets Mil. Spec. MIL-A-46050C Type I Class 2.

Part No. 10-128 1 fl. oz. Bottle

GC Super Glue Regular Formula

Ethyl Cyanoacrylate Adhesive



Medium viscosity formula for efficient wicking action, faster curing time. Excellent for bonding any combination of plastic, rubber or metal parts. This grade is ideal for small or fine work on non-porous, smooth surfaces. It fills gaps of .003-.005". Highly resistant to acid, alkali, alkali water, solvents and fungus. Non-toxic.

Meets Mil. spec. MIL-A-46050B Type 1 Class 2.

Part No. 10-120 0.075 fl. oz. Tube

GELWELD

GEL Cyanoacrylate Adhesive



Ethyl Cyanoacrylate super strength adhesive in a "gel" form - will not drip or run. Fills gaps well.

Part No. 19-117 0.101 fl.oz. Tube

SOLVENT RELEASE ADHESIVES

Chem

Most lacquer, rubber or plastic base adhesives are the solvent-release type. They are universal and easy to apply with no special preparation required. However, they are limited in their application as they are not suitable for cementing non-porous surfaces such as metals, glass, glazed ceramics and others, due to the inability of the solvent to evaporate quickly, except around the edges. They do work very well if one or both of the bonding surfaces consists of material which has some porosity.



General Purpose Plastic Cement II

A solvent-release adhesive with a special Nitrocellulose Lacquer Base. The bond is hard, but not brittle. Adheres especially well to plastics, paper, leather, ceramics and metal. Quick-drying and waterproof. Widely used by repairmen, model builders, hobbyists and do-it-yourselfers. Ozone friendly.

Part No. 19-327 2 fl. oz. Bottle with Brush
Replaces Part No. 10-324



Rubber-to-Metal Cement II

A heavy-bodied, rubber-based cement with outstanding bonding qualities to many materials such as natural and synthetic rubber, metal, wood and plastics. Dries quickly and produces a lasting, flexible bond which often exceeds the strength of the material itself. Used to cement any rubber or flexible plastic part to cabinets, chassis or panels; also for gaskets, weather strips, etc. Ozone friendly.

Part No. 10-354 2 fl. oz. Bottle with Brush
Replaces Part No. 10-352



GC Bond

Thermoplastic adhesive based on synthetic components with unusually strong bonding characteristics to most materials. Produces a waterproof, resilient and long-lasting flexible bond. Light tan in color. GC Bond's uses range from cementing paper and cardboard to cementing electronic components to circuit boards and chassis. Sticks well to all metals and glass. Dries in 15 to 30 minutes.

Part No. 10-4302-A 2 fl. oz. Bottle with Brush
Part No. 10-4308-A 8 fl. oz. Bottle with Brush



Acrylic Cement

Consists of solvent for acrylics (plexiglass, lucite and others), slightly thickened with dissolved acrylic resin. It actually "welds" items made of plexiglass. The joint is usually invisible and stronger than the material itself. Cements many items used in electronics for decorative or functional purposes as well as acrylic signs, art objects and decorative pieces.

Part No. 10-4002 2 fl. oz. Bottle with Brush
Part No. 10-4008 8 fl. oz. Bottle with Brush
N.S.N. 8040-00-209-1346
N.S.N. 8040-00-259-6181
N.S.N. 8040-00-503-0315



Service Cement

A quick-drying and waterproof clear adhesive which forms a strong, hard but vibration resistant bond with minimal shrinkage. A true universal adhesive for shop, industry, home and hobby use. Ideal for speaker repairs. May also be used for gluing porous or semi-porous materials to each other or to metals, plastics, etc. Not suitable for metal-to-metal, glass-to-metal or other non-porous to non-porous surfaces, for which Perma-Bond, GR-R-RIP or epoxy cements are more suitable.

Part No. 10-302 2 fl. oz. Bottle with Brush
Part No. 10-310 1 gal. Plastic Jug
Part No. 10-310-4G 4 gal pack



Vinylite Cement

Vinyl resin-base cement that is waterproof, almost invisible and has excellent resistance to moisture, most acids and alkalis. Used to cement items made of rigid or flexible vinyl, wood, cardboard, paper, metal, plastics, and glass. Very flexible. Lends itself particularly well to items where a rigid bond is not desirable.

Part No. 10-5802
2 fl. oz. Bottle with Brush
N.S.N. 8030-00-264-3838



Silicone Rubber Adhesive/Sealant



One-component elastomer cures to a tough, rubbery solid when exposed to moisture in the air. Designed to fulfill industrial and electronic service sealing and bonding requirements, this sealant has excellent adhesive strength, high elongation and outstanding insulation and heat resistance qualities. Develops primerless adhesion to a variety of materials, including metal, glass, most wood, silicone resin, vulcanized silicone rubber, ceramic, natural and synthetic fibers; most plastics and painted surfaces. Resists weathering, vibration and exposure to oil, moisture, ozone, and temperatures from sub-zero to 400°F. Cures to a tack-free surface in 10 minutes. Full cure, 24 hours. Ideal for many sealing, bonding and insulating applications, including general electrical insulation, potting exposed electronic components, bonding gaskets for heating and refrigeration units, formed-in-place gaskets for gear boxes, compressors, pumps and outdoor motor covers, pressure sealing of aircraft cabins and cockpits, caulking sheet metal stacks, ductwork and equipment housings, and as an anti-abrasion coating.

As Cured—Electrical

ASTM D 257 Volume Resistivity, ohm-cm – 6×10^{14}

ASTM D 149 Dielectric Strength, volts/mil – 635

ASTM D 150 Dielectric Constant, at 60 Hz – 2.8 at 100 Hz – 2.8 at 100 kHz – 2.8

ASTM D 150 Dissipation Factor, at 60 Hz – 0.0015 at 100 Hz – 0.0015 at 100 kHz – 0.0015

Silicone Rubber Sealant meets the following requirements:

FDA: FDA regulation No. 21 CFR 175.105 when fully cured and washed.

UL: Recognized for service to 302°F (150°C) where elongation is not necessary.

Meets Mil. Spec. Mil-A-46106A Type 1,

Meets Fed. Spec. TT-S-001543A, Class B, TT-S-0230C, Type 2, Class B

Part No. 10-150 3 fl. oz. Tube w/Dispensing Nozzle, Clear



Part No. 19-155



Part No. 19-158



Part No. 19-159

Electronic Grade Silicone Sealant/Adhesive



One part non-corrosive, neutral cure electronic grade silicone sealant. Will remain flexible from -70° F to +400° F. (-57° C to +204° C) An excellent adhesive for many electrical and electronic applications where corrosion to metals is a problem. Good dielectric properties, high surface resistivity and resists electrical tracking. Meets the requirements of Mil-A-46146A-Type 1; meets the requirements of FDA status, FDA regulation #177.2600

Part No. 19-155 3 fl. oz. Color: Clear

Part No. 19-158 10.2 fl. oz. Caulk Tube, Color: White

Part No. 19-159 2.8 fl. oz. Cartridge Color: White



Silicone Caulk Tube

GC Industrial RTV Silicone is a one-part high modulus Sealant/Adhesive and Gasketing material. Remains flexible from -80°F to +400°F (-62°C to +204°C). Will not crack, crumble or dry out. Unaffected by ultra-violet, weather, most chemicals and solvents. Adheres to metal, wood, glass, fiberglass, ceramics, fabrics and many plastics. Meets the following specifications: Agriculture Canada; USDA; FDA regulation No. 21 CFR 175.105; Mil Spec Mil-A-46106A-Type1 and US Fed. Specs. TT-S-001543A Class B and TT-S-0230C Type 2, Class B.

Part No. EL-615 10.2 fl. oz. Caulk Tube, Clear

Silicone Quick Reference Guide

Description	10-150	19-155	19-157	19-158	19-159	EL-615
Non Corrosive	-	X	-	X	X	-
High Temperature	-	-	X	-	-	-
Extreme High Temp	-	-	X	-	-	-
Low Temperature	X	X	X	X	X	X
Extreme low temp	X	X	X	X	X	X
Thermal Conductivity	-	-	-	-	-	-
High Strength	X	-	X	-	-	X
Super High Strength	-	X	-	X	X	-
High Voltage	-	X	-	X	X	-
Paste	X	X	X	X	X	X
Flowable	-	-	-	-	-	-
One Part	X	X	X	X	X	X
Primerless	X	X	X	X	X	X
Translucent	X	X	-	-	-	X
Red	-	-	X	-	-	-
White	-	-	-	X	X	-
Adhesive	X	X	X	X	X	X
Sealant	X	X	X	X	X	X
Potting	-	-	-	-	-	-
Encapsulating	-	-	-	-	-	-
Elect. Insulation	X	X	X	X	X	X
Form In Place Gasket	X	X	X	X	X	X
Food Grade	X	X	X	X	X	X
Marine	X	-	-	-	-	X
Mil Spec	X	X	X	X	X	X

GC HEAT SINK COMPOUNDS

Meets Your Great Demands

The technology of today's electronic devices has increased current handling capacity. The additional heat buildup places great demands on heat sink materials. GC offers a complete line of heat sink compounds to meet these demands. The HTC product offers over twice the thermal conductivity of conventional products and is available in silicone and non-silicone versions. The water-soluble heat sink grease offers excellent thermal conductivity and easy cleanup. The standard silicone and non-silicone products continue to meet most requirements. See chart for typical properties.



Silicone (Z9)

Industry standard zinc oxide filled silicone heat sink grease for most applications. Will not soften at elevated temperatures or dry out or harden. Meets Mil. Spec. C-47113.

Part No. 10-8109 1 fl. oz. Tube

Part No. 10-8108 6.5 gms. Tube

Part No. 10-8106 1 lb. Can



HTC (High Thermal Conductivity)

Higher thermal conductivity formula has all the same benefits of conventional heat sink greases, plus is exceptionally stable in high humidity applications.

Part No. 10-8135 Silicone Based, 1 oz. Syringe

Part No. 10-8135-0001 Silicone Based, 1lb. Jar



Type 44 Non-Silicone

Compounded with 100% synthetic base stocks. Features excellent heat transfer efficiency, thermal stability, high flow rate, no separation, bleed or migration typical of silicone based greases. MIL-C-47113 Type 2.

Part No. 10-8118 1/2 fl. oz. Jar

Part No. 10-8120 1 fl. oz. Tube

Part No. 10-8126 1 lb. Jar

Heat Sink Properties (Typical)

Tests	Test Methods	10-8106 10-8108 10-8109 Standard Silicone	10-8118 10-8120 10-8126 Standard Non-Silicone	10-8135 H.T.C. Silicone	10-8132 Water Soluble Non-Silicone
Appearance	Visual	White Paste	White Paste	Off-White Paste	White Paste
Consistency Penetration 60 Strokes @ 77°F	ASTM D-217	290	260	250-350	250-350
Specific Gravity	ASTM D-70	2.4	2.5	2.7	2.8
Bleed, 24 Hrs. %Wt. 150°C 200°C	FTM-321 PTM-791.321	1/10%	<0.5	0.3	1.00
Evaporation, 24 Hr. %Wt. 150°C 200°C	FTM-321 PTM-791.321-3M	3/10%	0.1	0.3	1.00
Thermal Conductivity CAL/SEC cm °K	Modified DSC	1.8×10^{-3}	1.8×10^{-3}		
CAL/SEC cm °C	Hot Wire Method			4.35×10^{-3}	2.82×10^{-3}
Dielectric Strength 0.050" gap volts/mil.	ASTM D-149	400	420	343	265
Dielectric Constant 1000 Hz	ASTM D-150	4.9	4.5	5.14	
Dissipation Factor 50 Hz, Ohm-cm 1,000 Hz, Ohm-cm	ASTM D-150	0.005 0.001	0.0029 0.0029	0.0031	0.0022
Volume Resistivity Ohm-cm	ASTM D-257	2×10^{15}	2×10^{15}	1×10^{15}	3.36×10^{13}
Operating Range		-67°F to 400°F	-22°F to 390°F	-55°C to 205°C	-40°C to 150°C
Arc Resistance, RT Unit: SEC	ASTM D-495	77	130	250	
Shelf Life Months		60	60	60	

THINNERS & SOLVENTS



Polystyrene Q-Dope Thinner

For thinning polystyrene base coil dopes and cements. Can also be used for cementing polystyrene parts.

Part No. 10-4102 2 fl. oz. Bottle

N.S.N. 8010-00-063-1376
N.S.N. 8040-00-902-1159



Radio-TV Cement Solvent

Fast acting solvent formulated for use in speaker repair. Dissolves cement on speaker cones, spiders, frames, voice-coils. May also be used as a thinner for all lacquer type cements.

Part No. 10-312 2 fl. oz. Bottle

Part No. 10-320 16 fl. oz. Bottle
N.S.N. 8010-00-775-5893

Part No. 10-321 1 gal. Can

Part No. 10-321 4 gal. Pack



Paint Thinner

All purpose mineral spirit type thinner and solvent for paint and varnish base products.

Part No. 10-6702 2 fl. oz. Bottle
N.S.N. 8010-00-054-1521



Print Kote Solvent

A solvent to remove silicone and other types of protective coatings from PC boards. Required when modifying PC boards or replacing components where the protective coating interferes with the desoldering and resoldering operation.

Part No. 22-209 2 fl. oz. Bottle
N.S.N. 6810-00-711-2185

COATINGS



Silver Print II (Conductive Paint)

For PC repair or add-on circuit traces. Pure silver in acrylic lacquer based carrier may be brushed on for either conductors or shielding. Connections have equal or better conductivity than copper (0.1 ohms per square inch).

Part No. 22-023 1/2 troy oz. Bottle

Part No. 22-024 1 troy oz. Bottle



Red Insulating Varnish

Alkyd-based compound, especially resistant to environmental extremes including oils, water and most acids and alkalis. Retains its high dielectric strength even if wet and is, therefore, especially adaptable to the insulation of electrical and electronic devices or components which may be operated in a very humid climate and up to 250°F (121°C). For general insulation of coils, transformers, motor windings and for all-around protection against oxidation and atmospheric attacks.

Part No. 10-9002-A 2 fl. oz. Bottle w/Brush
N.S.N. 5970-00-901-5331

Part No. 10-9008-A 8 fl. oz. Bottle



Print Kote Conformal Coating

The ultimate coating for PC boards provides a protective shield to resist environmental contaminants. Prevents arcing and shorting. Air dry 15 to 30 minutes. May be baked at 200°C for 30-60 minutes for extreme high temperature applications.

Part No. 22-203 2 fl. oz. Bottle
N.S.N. 8010-00-711-2173

COATINGS (Cont.)

Chem



Insulating Coating



Heavy-bodied, black insulating coating which replaces insulating tape in applications where wrap-around tape could not readily be applied. This compound dries quickly to a strong pliable finish that will not crack, peel or chip. It is water and oil proof and may be used outdoors to insulate any electrical terminal, connection or wire splice. Excellent for providing insulation on handles, etc. Voltage rating 1400v/mil (min.)

Part No. 10-1762 2 fl. oz. Bottle with Brush

Part No. 10-1766 16 fl. oz. Bottle



Q-Dope



Solution of pure polystyrene in solvents. Dries fast and leaves a clear, protective coating on coils and transformers, with no or minimal effect on inductive values. May also be used as a cement for molded or fabricated items made of polystyrene.

Part No. 10-3702 2 fl. oz. Bottle with Brush

N.S.N. 8010-00-868-3866

N.S.N. 5970-00-044-6790

N.S.N. 5970-00-982-3909

Part No. 10-3704 4 fl. oz. Bottle with Brush

N.S.N. 5970-01-047-9265

N.S.N. 8040-00-598-9748

Part No. 10-3709 1 gal. Can

N.S.N. 8030-00-182-6416

Part No. 10-3709-YG 4 gal. Pack



Acrylic Plastic



Transparent (glass-like) lacquer. Seals, protects, insulates and tarnish-proofs any object to which it is applied. This coating has high dielectric strength and resists moisture, caustic solutions and alcohols. Used to coat electronic component and connections as well as metal or art objects (to protect against tarnish and corrosion).

Part No. 10-8665 11 oz. Aerosol



Corona Dope

This lacquer has excellent dielectric, arc and corona resisting properties, and protects surfaces against moisture. Achieved with a quick drying, black lacquer insulating coating, based on a cellulose resin. Temperature range: to 325°F (163°C). This lacquer is used to coat flybacks, coils, transformers to improve the insulation and weather resistant properties of wires. Dielectric Strength: 3,800 Volts/Mil Min.

Part No. 10-4702 2 fl. oz. Bottle with Brush

N.S.N. 8030-00-778-4278

N.S.N. 5970-00-063-0685

Part No. 19-4702 2 fl. oz. Bottle with Brush



Red-X Corona Dope



Thixotropic polyester-base red enamel that will not drip or sag, has excellent adhesion and is oil and waterproof. Temperature range: to 220°F (104°C). An excellent insulator, corona and spark preventive coating. For moisture-proofing and insulation of high voltage coils and other high voltage components, especially in high humidity problem areas. Also recommended for rotor and field coils in motors, to coat transformers, etc. Dielectric strength: 1,700 Volts/Mil Min., dielectric constant: 3.7.

Part No. 10-5002 2 fl. oz. Bottle with Brush

N.S.N. 8040-00-779-2866

SOLDER FLUX



Liquid Solder Flux



Completely non-corrosive liquid solder flux consisting of a solution of special rosin in alcohol. Contains no traces of acids or chlorides and is completely safe to use on even the most delicate electronic equipment.

Part No. 10-4202 2 fl. oz. Bottle

Part No. 10-4216 16 fl. oz. Bottle



Solder Flux



A flux for all metals, as effective as acid or chloride types but non-corrosive. Solders even hard-to-solder metals such as aluminum, zinc-based alloys, steel, etc. Ideal for soldering bus and ground wires to aluminum and steel chassis, to hermetically seal lids to metal cases, for pot-tinning of copper and brass parts, etc. Not recommended for electronic wiring, including printed circuits.

Part No. 10-200 2 fl. oz. Bottle



Soldering Paste



A strong flux for soldering sheet metal parts, bus wires to steel chassis, tinning and cleaning of soldering iron tips, etc. Not recommended for electronic or printed circuit soldering.

Part No. 10-1207 2 fl. oz. Bottle



Water Removable Soldering Paste



Lubricates, cleans, fluxes and rinses away.

Part No. 10-202 2 fl. oz. Bottle



Static Null



Neutralizes and prevents static electricity in a wide variety of applications. May be used on circuit boards, carpeting, clothing, cabinetry or generators of static electricity. One application lasts for weeks. An excellent maintenance area product for use on test equipment, circuits being serviced and work surfaces.

Part No. 19-1004 8 oz. Aerosol



High Voltage Putty



Silicone rubber compound with excellent insulating characteristics. It will never harden, will not shrink and has good adhesive properties. Provides a corona and arc suppressing coating in high voltage systems. Especially useful for coating sharp points, edges or corners. Also useful to form gaskets and seals where a putty-like, non-hardening property is desired. (Approx. 550 Volts/MIL Di-electric strength).

Part No. 10-8880 1-1/4 oz.
(1" wide x 1/4" thick x approx.
18" in length)

Part No. 10-8882 1/2 lb. tub

SPECIALTY CHEMICALS (Cont.)

Chem



Silicone Dielectric Compound

Soft, inert silicone grease with excellent dielectric properties. Usable over a wide range of temperatures. Its consistency is vaseline-like and it is clear translucent in color. It provides an excellent dielectric coating which excludes moisture and prevents high voltage arcing. Applicable to components in the high voltage section of TV receivers. Protects ignition systems in automobiles and boats, in addition to providing an outstanding corrosion resistant coating on exposed metal surfaces, such as TV antenna terminals as well as general rustproofing. This compound also makes an excellent lubricant for rubber or plastic.

Part No. 10-8101 1 fl. oz. Tube
 N.S.N. 6850-00-268-7963

Part No. 10-8102 1 gal. Can

Part No. 10-568 1/3 fl. oz. Chem-O-Jector



Belt & Drive Non-Slip

Prevents slippage in mechanical or electro-mechanical devices which are driven with cords, belts, pulleys and drives. Restores proper functions on belts and drive pulleys in turntables, record changers and tape recorders, especially where the rubber parts have hardened and/or become slick and cause slippage.

Part No. 10-8602 2 fl. oz. Bottle w/ Brush

ACCESSORIES



Part No. 19-780



Part No. 19-781

Squeeze Bottle & Squeeze Riser

These reliable bottles accurately dispense solvents in the required amounts in the proper location. For use with GC Bulk Chemicals, wipes and brushes. Can be used safely with all GC chemicals. The squeeze riser professionally dispenses chemicals without using an aerosol.

Part No. 19-780 4 oz. Squeeze Bottle

Part No. 19-781 4 oz. Squeeze Riser



GC Touch Dispenser

Stops waste. Dispense only as much fluid as needed for the job. Saves time and effort. No stopper or cap to remove. One-handed touch on the dish dispenses the required amount of fluid, leaving the other hand free. Prevents contamination. Liquid in bottle stays clean until used. Fluid pumped into dish doesn't drip back into bottle. Hinged lid protects dish when not in use. Use with all GC cleaner/degreaser and defluxing solvents. Not for use with iodine, acids or bases.

Part No. 19-764 4 oz. Bottle with Pump

Part No. 19-766 6 oz. Bottle with Pump

Part No. 19-768 8 oz. Bottle with Pump



1oz. Glass Bottle

GC glass bottle with plastic cap allows safe storage for when you want to work with smaller quantities of oils, contact cleaners, and other liquids.

Part No. 10-285 1 oz. Glass Bottle with Cap

ACCESSORIES (Cont.)



Chemical Injector

Needle type injector, supplied with 1/2 oz. vial. Ideal for contact cleaners, light oils, etc.

Part No. 8383 1/2 oz. Size



"The PUMP"™

"The Pump" is a new air-powered spray bottle that provides an environmentally conscious alternative to conventional aerosols. The refillable, reusable spray bottle uses air as a propellant with its self-contained "Air Pump." Save money with "The Pump" by buying liquid solvents in bulk. This durable unit replaces the use of aerosol cans. "The Pump" provides an excellent cleaning alternative to aerosols. Use with cleaners, degreasers, alcohol, CFC's, HCFC's and other chemicals.

Part No. 19-769 3 fl. oz. Pump Bottle



Chem-O-Jector

Plunger type applicator for all grease type or semi-liquid chemicals. Made of polyethylene with neoprene plunger unaffected by most chemicals. Length: 5-1/2" (plunger extended).

Part No. 8887 .2 oz. (6cc)



GC Wipes

Soft non-woven GC wipes with the strength of rayon. Safe for critical applications. Provides excellent contamination control on precise instrumentation, semi-conductors and other critical uses.

Applications: for cleanroom applications; resistant to most solvents, alcohols and dilute acids; cleaning photo processing equipment; high liquid retention; wiping laboratory instrumentation; will not abrade surfaces; computer screens; contamination control.

Part No. 19-747 White 9" x 10 1/2"
Package of 30

Replaces Part No. 19-746



Poly & Cotton Lint Free Swabs

A special absorbent polyurethane swab with a fine texture that is gentle enough for cleaning delicate surfaces. Particularly good for delicate tape heads and similar usage. Reusable if used with solvents such as TF solvent, alcohol, etc.

Part No. 10-277 Package of 30



Double Headed Cleaning Swabs

Cotton tipped swabs for general cleaning with Alcohol, Freon TF, 1,1,1 Trichloroethane, etc. 6" length, package of 50 swabs.

Part No. 10-270 Package of 50



Needle Tip Chemical Bottles

GC bottles for quantity chemical use when buying in bulk. These bottles allow you to work with precision and buy economically. Use polyethylene bottles for trouble-free dispensing of oils, mixtures and other liquids.

Part No. 10-284 4 oz. Size



Acid Brushes

Brushes for cleaning with solvents, applying coatings and a host of other uses. These brushes are economical enough to use as throw-away in many applications. Or may be used repeatedly with cleaners such as Freon TF, Chlorothene, Flux Solv, etc. Handles are of tin plated steel and bristles a medium-fine horse hair. Also fine for dusting keyboards, optics, etc. All 6" long, width below refers to width at base of bristles.

Part No.	Description		Width (Bristle)	Qty. Per Pkg.
10-251	No. 1 Acid Brush		3/8"	4
10-252	No. 2 Acid Brush		7/16"	4
10-253	No. 3 Acid Brush		1/2"	3
10-255	No. 5 Acid Brush		3/4"	2
10-259	Acid Brush Set			
	P/N	Quantity		
	10-251	1	3/8"	7
	10-252	2	7/16"	
	10-253	1	1/2"	
	10-254	2	5/8"	
	10-255	1	3/4"	

ACCESSORIES (Cont.)

Chem



Anti-Static Applicators

These static-dissipative swabs are designed to attract dust and contaminants for easy cleaning while reducing static electricity. 6" Applicator with Anti-Static polyolefin handle. Head size 3/16" D x 11/16" L.

Part No. 19-754 Package of 50



Foam Applicators

6" Foam-tip applicator on polypropylene shaft. Head size 3/16" D x 11/16" L.

Part No. 19-753 Package of 50

Part No. 19-755/19-756

Part No. 19-759

Part No. 19-758

Cotton Applicators

6" Pointed cotton-tip applicator on wooden shaft. Head size @.105" D, tapering to .020" Dia.

Part No. 19-755

6" Single cotton-tip applicator on wood shaft. Package of 100.

Part No. 19-756

6" Pointed cotton-tip applicator on wood shaft. Package of 100.

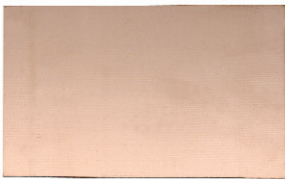
Part No. 19-758

3" Cotton-tip applicator on wood Shaft. Package of 100.

Part No. 19-759

6" Double-tipped cotton applicator. Package of 100.

CIRCUIT BOARDS



Bare Copper Circuit Boards

One ounce copper (0.0014") on base of either FR-4 (G-10) fiberglass or CEM-1 type epoxy reinforced board, 1/16" thick.

Copper on One Side Only:

Part No. 22-250 3" x 5"

Part No. 22-260 4" x 6"

Part No. 22-261 6" x 6"

Part No. 22-263 6" x 9"

Part No. 22-264 8" x 10"

Part No. 22-268 11" x 14"

Assortment of 4 one sided boards:

Part No. 22-272 [1] 2" x 4-1/2",
[1] 3" x 4-1/2",
[2] 2-1/4" x 3"

Copper on Both Sides:



Part No. 22-267 6" x 9"

Military Specification Number:
MIL-S13949H CF



Positive Pre-Sensitized Phenolic Circuit Boards

Made of 1.5 mm (1/16") thick phenolic base with one ounce (0.0014") copper. Coated with POSITIVE photo etch resist. Use with GC Developer, Part No. 22-225 or 22-226 concentrate. Mix at a ratio of 9 parts water to 1 part concentrate. Dielectric constant at 1 MHz=5.3.

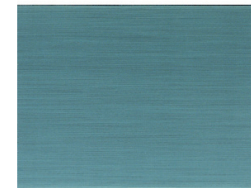
Copper on One Side Only:

Part No. 21-166 6" x 6"

Part No. 21-169 6" x 9"

Part No. 21-1710 7" x 10"

Part No. 21-1212 12" x 12"



Positive Pre-Sensitized Circuit Boards

1 oz. copper (0.0014") on a 1/16" (UL 94V-O) epoxy-glass FR-4 board. New high quality positive pre-sensitized PC boards are double protected from light and handling damage. The peel-off coating protects the board while handling or cutting prior to exposure. Can be exposed with common fluorescent lamp. GC makes it easy for anyone to make a professional looking board. Use with GC Developer Part Nos. 22-225 or 22-226 mixed 1 to 9 with water. Dielectric constant at MHz=5.4". Meets Fed. Spec.: S-10941-1.

Copper on Both Sides:

Part No. 21-339
3" x 4"

Part No. 21-350
6" x 6"

Part No. 21-353
6" x 9"

Part No. 21-357
12" x 12"

Copper on One Side Only:

Part No. 21-330
2" x 4"

Part No. 21-332
3" x 4"

Part No. 21-243
3" x 6"

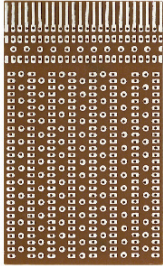
Part No. 21-334
4" x 6"

Part No. 21-336
6" x 6"

Part No. 21-338
6" x 9"

Part No. 21-247
7" x 10"

Part No. 21-252
12" x 12"



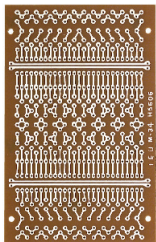
Plug-In IC Phenolic Prototype Board

IC's plug directly into board. 0.1" spacing accepts 14 pin or 16 pin IC's, up to 20 pin IC's. Silver plated lands with 24-way card edge connector plug on one end. Made of tough phenolic. 0.1" centers x 2-3/8" wide x 4" long x 1/16" thick, .035" holes.

Edge connector, 22 circuits, D.100 pitch

**No edge connector available*

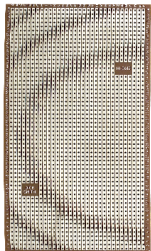
Part No. 22-500



Export Design Phenolic Prototype Board

Accommodates all types of IC's, transistor packages and passive parts. Lands and buss bars are tin-plated. 0.1" centers x 3-1/8" wide x 5-1/16" long x 1/16" thick.

Part No. 22-504

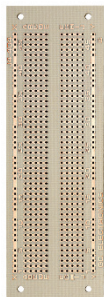


Printed Strip Phenolic Prototype Board



Alpha-numerical indexing. Tin-plated land patterns for positive pin identification. 0.1" centers x 3-1/2" wide x 6" long x 1/16" thick, .035" holes.

Part No. 22-506

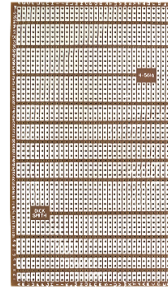


Experimenter's Phenolic Prototype Board



Ready-to-use copper plated printed circuit board has 550 solder tie-points, 94 five-point terminals and two 40-point buss strips on 0.3" centers. Phenolic board has pre-punched holes, mounting holes. 2" wide x 6" long x 1/16" thick.

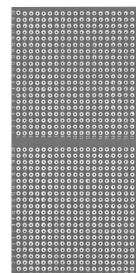
Part No. 22-508



Versa Strip Phenolic Prototype Board

Alpha-numerical indexing. Silver-plated land patterns. Predetermined short tracks for multi IC work. 0.1" centers x 3-1/2" wide x 6" long x 1/16" thick, .035" holes.

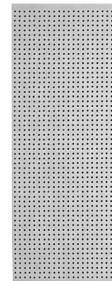
Part No. 22-502



Experimenter's Phenolic Prototype Board

Save time and money with ready-to-use printed circuit boards. Excellent for use in prototype building, experimenting, hobby or science projects and kit building. Made of tough phenolic with .03" punched holes on 0.150" centers. Choice of single or quad land pattern. 3-3/8" wide x 6-3/4" long x 1/16" thick.

Part No. 22-512 Single Land Pattern



Perforated Bare Phenolic Prototype Boards

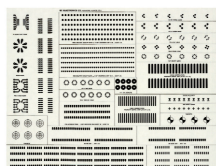
Ideal for prototypes, breadboards, hobby or science projects. Made of tough phenolic with punched holes. Boards are bare phenolic—no copper clad.

Part No. 22-514 0.042" holes; 0.100" spacing
2-1/4" wide x 6" long x 1/16" thick

Part No. 22-516 4-1/2" wide x 6" long x 1/16" thick

Part No. 22-518 0.093" holes; 0.265" spacing

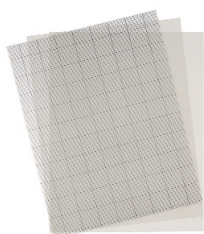
DRAFTING AIDS



Circuit Board Drafting Patterns

An 8-1/2" x 11" sheet containing two dozen of the most commonly used pre-spaced component configurations. Self-adhesive pads may easily be removed from master sheet with printed circuit knife and placed upon Mylar[®] positive artwork. A highly refined process and ink assures true opacity and the excellent definition necessary for quality printed circuit work.

Part No. 21-677



Mylar[®] Layout Film

Package of 2 transparent mylar sheets with clear finish plus one grid pattern sheet. Std. 0.10" spacing.

Part No. 22-290 8 1/2" x 11"

Mylar is a registered trademark of DuPont.

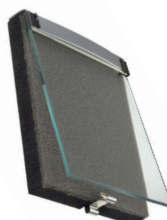


Etch Resist Ink Pens

Black felt tip pens for marking nomenclature and touching up photo artwork or etch resist circuits directly on the PC board or on the positive. Dries instantly. Easy application. Can be removed with Stripping Solution (22-240) or alcohol.

Part No. 22-220 Std. Size – draws lines approx. 1/32" wide

Part No. 22-222 Fine Line – draws lines as thin as 1/64" wide



Exposing Frame

Assures tight contact between positive or negative and the photosensitive material. Results in perfect transfer of circuit image to the board.

Part No. 22-393 For boards up to 10" to 12"

PC DEVELOPING & ETCHING



Positive Type Developer Concentrate

For developing photo sensitized PC boards coated with positive type etch resist. To be diluted with 9 parts of water to 1 part of developer. 6 oz. will develop 10 to 20 sq. ft. of PC board.

Part No. 22-225 2 fl. oz. Bottle

Part No. 22-226 6 fl. oz. Bottle



PC Board Etching Solution

This ferric chloride solution is one of the most effective and safest etching materials for copper clad PC boards. 6 oz. will etch about 180 sq. inches of PC board. Use only in plastic or glass trays. pH. 1.57

Part No. 22-237 6 fl. oz. Bottle

Part No. 22-238 32 fl. oz. Bottle

Part No. 22-239 1 Gallon Container



Etching Solution Heater

Fits in tank and heats solution up to 38°C (100°F). Used to further reduce etching time. Built-in adjustable thermostat controls temperature continuously to 100°F. 120V AC/100 W Max.

Part No. 22-392

Professional PC Board Power Etching System



A semi-automatic etching device for use in labs, schools, prototype shops and for limited PC board production. Reduces etching time to minutes. Air pump agitates etching solution for fast, very even etches. Handles up to two 8" X 10" PC boards at a time, either single or double sided. Tank comes with a tip-proof wire stand that can remain portable or attached to the bench with screws. For professional labs, it can be mounted as a bench well. Boards fit into a submersible rack with handles that keep hands away from the etchant as well as separating the PC boards. Lid prevents splashes, reduces evaporation, and can be turned upside down and used as an auxiliary tray.

Kit contains:

1 Etching Tank and Reservoir Lid

(12"H x 2-1/2"W x 10-1/2"L)

Molded Polyethylene – ABS PC Board Holder

Capacity – 1.25 Gallons of Etching Solution

1 Etch-O-Matic Power Agitating Pump, 120V AC Operation

1 Permanent or Portable Tip-Free Base

1 PC Board Holder and Handle

4 Feet of Supply Hose

Part No. 22-394

PRINTED CIRCUIT BOARD REPAIR



Silver Print II Conductive Paint



Bottle for PC repair or add-on circuit traces. Pure silver in acrylic lacquer based carrier may be brushed on for either conductors or shielding. Connections have equal or better conductivity than copper (0.1 ohms per square).

Part No. 22-023 1/2 troy oz. Bottle
Replaces Part No. 22-201

Part No. 22-024 1 troy oz. Bottle
Replaces Part No. 22-202



Etch Resist Lacquer



For touch-up or modification of resist patterns before etching. Fast drying, easy to apply on PC boards. Bottle is supplied with small brush attached to cap.

Part No. 22-244 1/2 fl. oz. Bottle



Print Kote Conformal Coating



The ultimate coating for PC boards. Provides a protective shield to resist environmental contaminants. Prevents arcing and shorting. Air dry 15-30 minutes. May be baked at 200°C for 30-60 minutes for extreme high temperature applications.

Part No. 22-203 2 fl. oz. Bottle
N.S.N. 8010-00-711-2173



Print Kote Solvent



A solvent to remove silicone and other types of protective coatings from PC boards. Required when modifying PC boards or replacing components where the protective coating interferes with the desoldering and resoldering operation.

Part No. 22-209 2 fl. oz. Bottle
N.S.N. 6810-00-711-2185



Stripping Solution



Removes remaining etch resist from PC boards. Removes any coating that remains over the copper after etching which may interfere with the soldering of the component leads to the PC board.

Part No. 22-240 2 fl. oz. Bottle



Flux Remover and Cleaner II



Convenient, fast and easy to use. Removes all types of organic flux. Pinpoint applicator supplied. Non ODC. 75%VOC

Part No. 22-271-A 16 oz. Aerosol



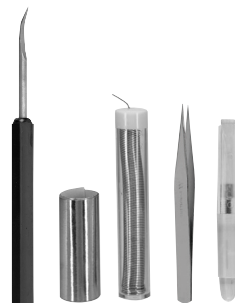
Small Printed Circuit Repair Kit

For repair and servicing of printed circuits

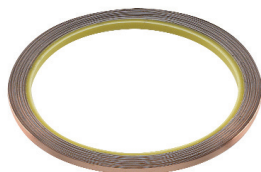
Kit contains:
1—Solder Aid Tool Part No. 9093
1—Low-Melt Solder Part No. 9132
1—PC Repair Foil
1—Print Kote Part No. 22-203
1—Print Kote Solvent Part No. 22-209
1—Fiberglass Eraser
1—Tweezers Part No. 7948
Asst. Solder Washers (Fluxed)

Part No. 22-682

N.S.N. 3439-00-986-2582
N.S.N. 5999-00-755-1808



PRINTED CIRCUIT BOARD REPAIR (Cont.)



Pure Copper Circuit Tape

1/8" wide roll of self-adhesive pure copper tape for quick repairs or circuit modification. Adheres readily to PC boards and similar surfaces; solders readily. Flexible enough to be used around corners, between PC boards, between board and chassis, etc. Extremely low resistance.

Part No. 22-511 .0014" Thick 20 foot



Micro Inspection Magnifier

Superb tool for the close inspection and trouble shooting of micro-circuits and PC boards. Provides 2X magnification from 2-1/2" dia. precision-ground glass that swings a full 360° with positive-lock swivel adjustments.

Part No. 22-386



Drill Bit Sets

For drilling component lead wire holes in phenolic and glass epoxy PC boards. Made of high speed tool steel for long life.

Part No. 22-275 Set Contains:

No. 66 Bit .0330" Dia.
No. 60 Bit .0440" Dia.
No. 1/16 Bit .0625" Dia.

Part No. 22-276 Set Contains:

No. 31 Bit .1200" Dia.
No. 27 Bit .1400" Dia.
No. 3/32 Bit .0938" Dia.

OLD TO NEW PRODUCT CROSS REFERENCE

Newest Chemical Products

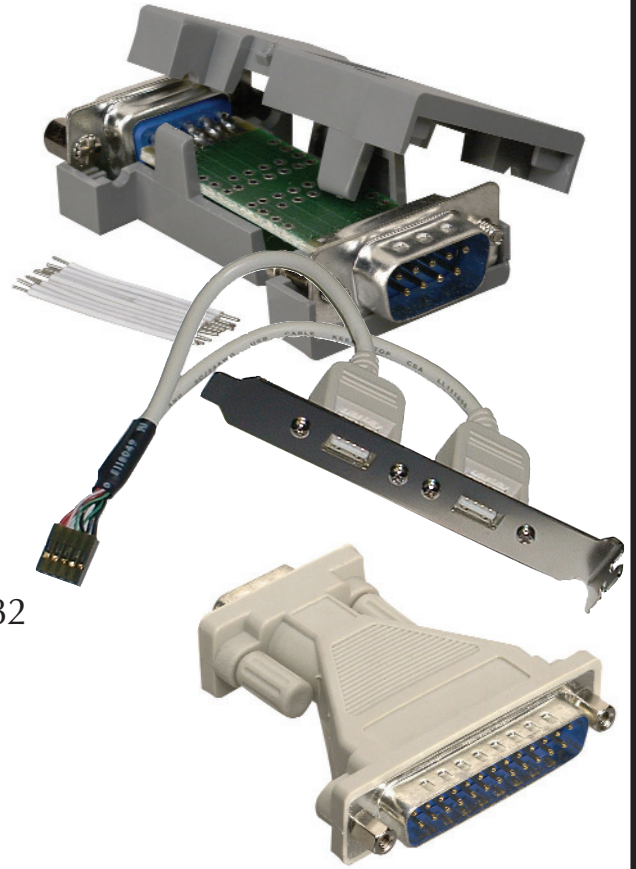
Old Part No.	New Part No.	Page No.	Description	Change
10-324	19-327	52	General Purpose Plastic Cement II-2 oz.	Environmental Reformulation
10-352	10-354	52	Rubber-to-Metal Cement-2 oz.	Environmental Reformulation
10-984	10-985	49	Reach-All Pen Oiler-1/2 oz.	Environmental Reformulation
10-5302	19-5302	48	VCR/Magnetic Head Cleaner-2 oz.	Environmental Reformulation
10-7521	19-7522-A	47	Static-Free High Strength Flux Remover-18 oz.	Environmental Reformulation
10-228	19-229-A	47	Flux Remover & Cleaner II-16 oz.	Environmental Reformulation
19-624	19-913	42,43	Big Bath3 Contact Cleaner-16 oz.	Environmental Reformulation
19-746	19-747	59	GC Wipes	Size and Texture
19-820	19-826	48	Anti-Oxidant Grease-1 oz.	Environmental Reformulation
19-903	19-906	42,45	Big Bath3 Contact Cleaner & Degreaser-16 oz.	Environmental Reformulation
19-903-6	19-905	42,45	Big Bath3 Contact Cleaner & Degreaser-12 oz.	Environmental Reformulation
19-2903-3	19-905	42,45	Big Bath3 Contact Cleaner & Degreaser-12 oz.	Environmental Reformulation
19-2903-8	19-906	42,45	Big Bath3 Contact Cleaner & Degreaser-16 oz.	Environmental Reformulation
22-201	22-023	55	Silver Print II Conductive Paint-1/2 oz.	Environmental Reformulation
22-202	22-024	55	Silver Print II Conductive Paint-1 oz.	Environmental Reformulation
22-270	22-271-A	63	Flux Remover & Cleaner II-16 oz.	New Size/Environmental Reformulation



COMPUTER

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- USB to Motherboard & USB Hubs p77
- Monitor/Video Cables p77
- Monitor/Video Adapters p78
- Parallel Cables & Adapters p78-79
- Serial Data Cables p79-80
- SCSI Cables p80
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- Multimedia Accessories p89
- Power Cords p90
- Cooling Fans p90



IEEE-1394 “FIREWIRE™” CABLES

Computer



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



IEEE 1394 “Firewire™”/“I-Link™” Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length Ft. (m)	Color	Cable	Speed
45-1346		1	4CM/4CM	6.5 (2)	Putty	2 Pairs x 32 AWG	1.6Gbps
45-1364		2	4CM/6CM	6.5 (2)	Putty	2 Pairs x 30 AWG	1.6Gbps
45-1366		2	6CM/6CM	6.5 (2)	Putty	2 Pairs x 30 AWG, 2 x 24 AWG	1.6Gbps

IEEE-1394 “Firewire™” Cables (Good)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Ferrite Bead
45-1345-15		3	IEEE1394 4ckt plug to 4ckt plug- 15 ft	15	No
45-1350-15		4	IEEE1394 6ckt to 6ckt plugs- 15 ft	15	No
45-1351-15		4	IEEE1394 6ckt to 6ckt plugs w/Ferrite Beads- 15 ft	15	Yes

IEEE-1394 “Firewire™” Cables (Better)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Ferrite Bead
45-1356-15		5	IEEE1394 6ckt to 6ckt plugs- 15 ft	15	No
45-1357-15		5	IEEE1394 6ckt to 6ckt plugs w/Ferrite Beads- 15 ft	15	Yes

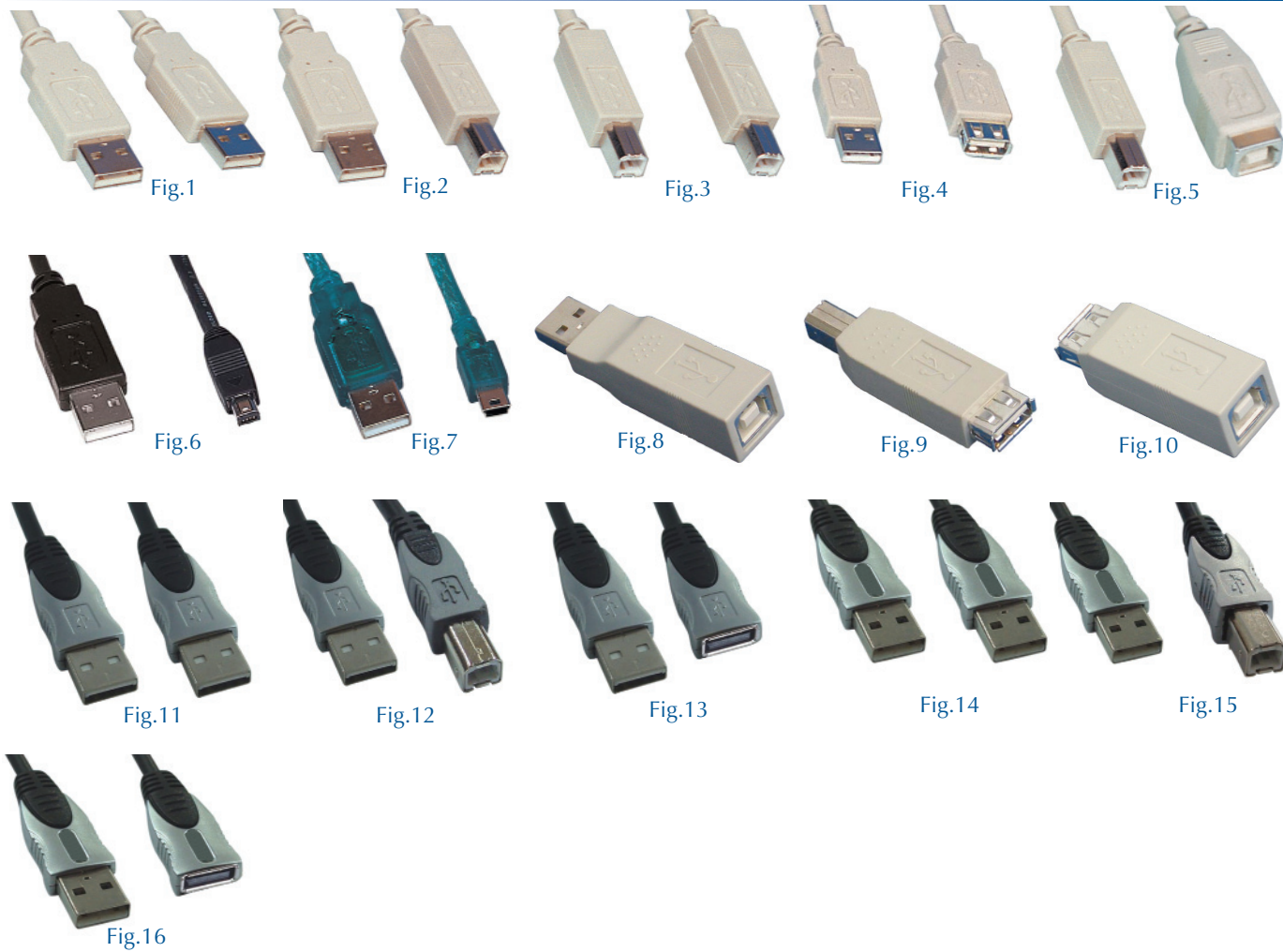
IEEE-1394 “Firewire™” Cables (Best)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Ferrite Bead
45-1358-15		6	IEEE1394 4ckt to 4ckt plugs Metal Shells- 15 ft	15	No
45-1360-15		7	IEEE1394 4ckt to 6ckt plugs Metal Shells- 15 ft	15	No
45-1362-15		8	IEEE1394 6ckt to 6ckt plugs Metal Shells- 15 ft	15	No
45-1363-15		8	IEEE1394 6ckt to 6ckt plugs Metal Shells w/Ferrite Beads- 15 ft	15	Yes

Note: “Firewire” and “I-Link” are trademarks of IEEE Cables by Apple™ and Sony™ respectively.

USB 2.0 CABLES

Computer



USB 2.0 Cables (Good)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Ferrite Bead
45-1400-15		1	USB 2.0 A Plug to A Plug - 15 ft	15	No
45-1401-15		2	USB 2.0 A Plug to B Plug - 15 ft	15	No
45-1402-15		3	USB 2.0 B Plug to B Plug - 15 ft	15	No
45-1404-15		4	USB 2.0 A Plug to A Jack - 15 ft	15	No
45-1405-15		5	USB 2.0 B Plug to B Jack - 15 ft	15	No
45-1407-15		6	USB 2.0 A Plug to 4 Pin Mini-B Plug - 15 ft	15	No
45-1408-15		7	USB 2.0 A Plug to 5 Pin Mini-B Plug - 15 ft	15	No
45-1409		8	USB 2.0 A Plug to B Jack Adapter		
45-1411		9	USB 2.0 A Jack to B Plug Adapter		
45-1412		10	USB 2.0 A Jack to B Jack Adapter		

USB 2.0 Cables (Better)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Ferrite Bead
45-1414-15		11	USB 2.0 A Plug to A Plug - 15 ft	15	No
45-1420-15		12	USB 2.0 A Plug to B Plug - 15 ft	15	No
45-1423-15		13	USB 2.0 A Plug to A Jack - 15 ft	15	No

USB 2.0 Cables (Best)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Ferrite Bead
45-1425-15		14	USB 2.0 Metal Shells A Plug to A Plug - 15 ft	15	No
45-1426-15		15	USB 2.0 Metal Shells A Plug to B Plug - 15 ft	15	No
45-1428-15		16	USB 2.0 Metal Shells A Plug to A Jack - 15 ft	15	No

COMPUTER SUB-SECTIONS



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9

USB to USB Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length Ft. (m)	Color	Cable	Speed
66-1120		1	USB-A (Male) to USB-A (Male) USB 2.0	6.5 (2)	Black	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
45-1413		1 & 2	USB-A (Male) to USB-B (Male) USB 1.0	3.3 (1)	Putty	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
45-1416		1 & 2	USB-A (Male) to USB-B (Male) USB 1.0	6.5 (2)	Gray	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
45-1403		1 & 2	USB-A (Male) to USB-B (Male) USB 1.0	9.9 (3)	White	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
45-1406		1 & 2	USB-A (Male) to USB-B (Male) USB 1.0	13.2 (4)	Putty	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
45-1410		1 & 2	USB-A (Male) to USB-B (Male) USB 1.0	16.5 (5)	Putty	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
66-1126		1 & 2	USB-A (Male) to USB-B (Male) USB 2.0	16.5 (5)	Black	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
66-1121		1 & 2	USB-A (Male) to USB-B (Male) USB 2.0	6.5 (2)	Black	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
66-1125		1	USB-A (Male) to USB-A (Male) USB 2.0	16.5 (5)	Black	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
66-1123		1 & 3	USB-A (Male) to USB-miniB (Male) USB 2.0	6.5 (2)	Black	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps
66-1128		1 & 3	USB-A (Male) to USB-miniB (Male) USB 2.0	16.5 (5)	Black	1 Pair x 28 AWG, 2 x 24 AWG	480Mbps

USB to Adapter Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable	Speed
45-1415		1 & 5	USB A (Male) to DB15 (Female)	6	Putty	1 Pair x 28 AWG, 2 x 24 AWG	12Mbps
45-1417		1 & 5	USB A (Male) to DB15 (Female)	12	Putty	1 Pair x 28 AWG, 2 x 24 AWG	12Mbps
45-1418		1 & 4	USB A (Male) to MD6 (Male)	6	Putty	1 Pair x 28 AWG, 2 x 24 AWG	12Mbps
45-1419		1 & 4	USB A (Male) to MD6 (Male)	12	Putty	1 Pair x 28 AWG, 2 x 24 AWG	12Mbps

IEEE-1284 Bi-directional Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-1803		6 & 7	DB25 (Male)/CEN36 (Male)	3	Putty	18 Pairs x 28 AWG
45-1806		6 & 7	DB25 (Male)/CEN36 (Male)	6	Putty	18 Pairs x 28 AWG
45-1810		6 & 7	DB25 (Male)/CEN36 (Male)	10	Putty	18 Pairs x 28 AWG
45-1828		6 & 7	DB25 (Male)/CEN36 (Male)	25	Putty	18 Pairs x 28 AWG
45-1829		6 & 7	DB25 (Male)/CEN36 (Male)	50	Putty	18 Pairs x 28 AWG
45-1826		6 & 8	DB25 (Male)/half pitch CEN36 (Male)	6	Putty	18 Pairs x 28 AWG
45-1830		6 & 8	DB25 (Male)/half pitch CEN36 (Male)	10	Putty	18 Pairs x 28 AWG
45-2606		6 & 9	DB25 (Male)/DB25 (Female)	6	Putty	18 Pairs x 28 AWG
45-2610		6 & 9	DB25 (Male)/DB25 (Female)	10	Putty	18 Pairs x 28 AWG
45-2503		6	DB25 (Male)/DB25 (Male)	3	Putty	18 Pairs x 28 AWG
45-2506		6	DB25 (Male)/DB25 (Male)	6	Putty	18 Pairs x 28 AWG
45-2507		6	DB25 (Male)/DB25 (Male)	10	Putty	18 Pairs x 28 AWG
45-2525		6	DB25 (Male)/DB25 (Male)	25	Putty	18 Pairs x 28 AWG

###

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USB to MOTHERBOARD and USB HUBS



Fig.1



Fig.2



Fig.3

USB Motherboard Adapter

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-1422		1	USB Expansion Ports			2 USB (skt) on Brackets/IDC10F

USB 2.0

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-1451		2	USB 2.0 Hub 4 Port			USB-A to USB-B
45-1452		3	USB 2.0 + IEEE-1394, Hub 7 Port			USB-A to USB-B/IEEE-1394 M/M

MONITOR/VIDEO CABLES



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10

Super VGA Cables–Premium

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable	Ferrite Bead
45-1866		4&5	HD15 (Male)/HD15 (Female)	6	Putty	8 x 24 AWG, 3 Coax x 28 AWG	Yes
45-1880		4&5	HD15 (Male)/HD15 (Female)	10	Putty	8 x 24 AWG, 3 Coax x 28 AWG	Yes
45-1876		4	HD15 (Male)/HD15 (Male)	6	Putty	8 x 24 AWG, 3 Coax x 28 AWG	Yes
45-1870		4	HD15 (Male)/HD15 (Male)	10	Putty	8 x 24 AWG, 3 Coax x 28 AWG	Yes

Super VGA Cables–High Quality

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable	Ferrite Bead
45-1846		4&5	HD15 (Male)/HD15 (Female)	6	Black	8 x 24 AWG, 3 Coax x 28 AWG	No
45-1838		4&5	HD15 (Male)/HD15 (Female)	10	Black	8 x 24 AWG, 3 Coax x 28 AWG	No
45-1845		4&5	HD15 (Male)/HD15 (Female)	25	Black	8 x 24 AWG, 3 Coax x 28 AWG	No
45-1860		4&5	HD15 (Male)/HD15 (Female)	50	Black	8 x 24 AWG, 3 Coax x 28 AWG	No
45-1836		4	HD15 (Male)/HD15 (Male)	6	Black	8 x 24 AWG, 3 Coax x 28 AWG	No
45-1839		4	HD15 (Male)/HD15 (Male)	10	Black	8 x 24 AWG, 3 Coax x 28 AWG	No
45-1841		4	HD15 (Male)/HD15 (Male)	25	Black	8 x 24 AWG, 3 Coax x 28 AWG	No
45-1850		4	HD15 (Male)/HD15 (Male)	50	Black	8 x 24 AWG, 3 Coax x 28 AWG	No

VGA Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable	Ferrite Bead
45-435		4&5	HD15 (Male)/HD15 (Female)	6	Putty	14 x 28 AWG	No
64-4016		4&5	HD15 (Male)/HD15 (Female)	10	Putty	14 x 28 AWG	No
45-476		4	HD15 (Male)/HD15 (Male)	6	Putty	14 x 28 AWG	No
64-4014		4	HD15 (Male)/HD15 (Male)	10	Putty	14 x 28 AWG	No

RGB Specialty Monitor Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable	Ferrite Bead
45-416		7&8	Video 8 (Male)/DB9 (Male)	4	Putty	8 x 28 AWG Stranded	No
45-1505		6	(5) BNC (Male)/(5) BNC (Male)	6	Black	5 x 28 AWG Mini-Coax	No
45-1509		8&6	DB9 (Male)/(4) BNC (Male) (Does not Include yellow wire & connector)	6	Black	4 x 28 AWG Mini-Coax	No
45-1840		4&6	HD15 (Male)/(5) BNC (Male)	6	Putty	5 x 28 AWG Mini-Coax	Yes

EGA Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable	Ferrite Bead
45-308		8&9	DB9 (Male)/DB9 (Female)	6	Putty	9c x 28 AWG	No
45-314		8&9	DB9 (Male)/DB9 (Female)	10	Putty	9c x 28 AWG	No
45-315		8	DB9 (Male)/DB9 (Male)	6	Putty	9c x 28 AWG	No
45-316		8	DB9 (Male)/DB9 (Male)	10	Putty	9c x 28 AWG	No
45-318		8&10	DB9 (Male)/DB9 (Female) without Thumb Screws	10	Putty	9c x 28 AWG	No

MONITOR/VIDEO ADAPTERS



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11



Fig.12



Fig.13

Monitor Adapters

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-590	45-590-BU	1	Adapter DB9 (Female)/HD15 (Female)		Gray	
45-591	45-591-BU	2	Adapter DB9 (Female)/HD15 (Male)		Putty	
45-592	45-592-BU	3	Adapter DB9 (Male)/HD15 (Female)		Putty	
45-593	45-593-BU	4	Adapter DB9 (Male)/HD15 (Male)		Putty	
45-652		5	Adapter DB25 (Male)/HD15 (Male)		Putty	

Monitor “Y” Adapter Cable

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-569		6	HD15 (Male)/HD15 (Female) (2)	2	Putty	15 x 28 AWG

Monitor Adapter Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-437		7&8	DB9 (Male)/HD15 (Male)	6	Putty	9 x 28 AWG
45-438		9&10	DB9 (Female)/HD15 (Female)	6	Putty	9 x 28 AWG

Monitor Power and Adapter Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-401		11,12	Shrouded (Male)/AC Molded (Female)	1	Black	3 x 18 AWG
45-408		11,12	Shrouded (Male)/AC Molded (Female)	6	Black	3 x 18 AWG
45-409		12,11	AC Molded (Female)/Shrouded (Male)	12	Black	3 x 18 AWG



Fig.14

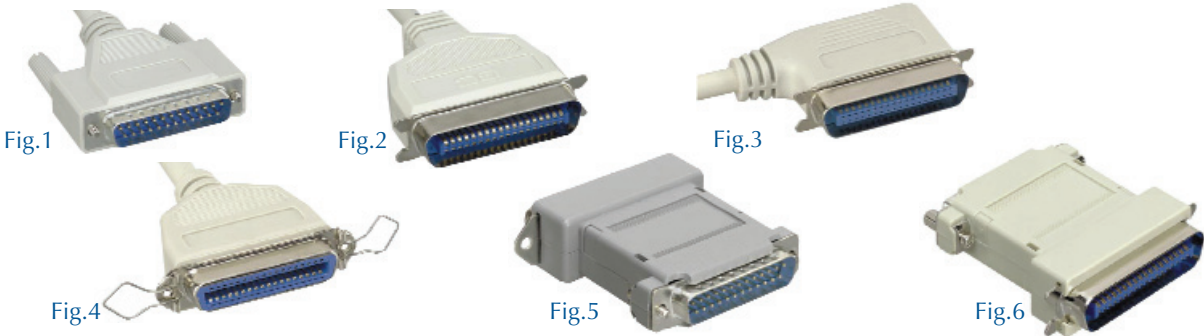
Laptop Parallel Printer Cable

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-250		14	DB25 (Male)/CEN36 (Male), Flat Ribbon Style	3	Gray	28 AWG Flat Ribbon

###

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Standard Parallel Printer Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-231		1 & 2	DB25 (Male)/CEN36 (Male), UL	6	Putty	25 x 28 AWG
45-234		1 & 2	DB25 (Male)/CEN36 (Male), UL	10	Putty	25 x 28 AWG
45-202		1 & 2	DB25 (Male)/CEN36 (Male)	2	Putty	25 x 28 AWG
45-201		1 & 2	DB25 (Male)/CEN36 (Male)	6	Putty	25 x 28 AWG
45-4424		1 & 2	DB25 (Male)/CEN36 (Male), Premium	7	Putty	25 x 28 AWG
45-204		1 & 2	DB25 (Male)/CEN36 (Male)	10	Putty	25 x 28 AWG
45-381		1 & 2	DB25 (Male)/CEN36 (Male)	15	Putty	25 x 28 AWG
45-206		1 & 2	DB25 (Male)/CEN36 (Male)	25	Putty	25 x 28 AWG
45-210		1 & 3	DB25 (Male)/CEN36 (Male), 90°	6	Putty	25 x 28 AWG
45-213		1 & 3	DB25 (Male)/CEN36 (Male), 90°	10	Putty	25 x 28 AWG

Parallel Extension Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-710		2 & 4	CEN36 (Male)/CEN36 (Female)	6	Putty	25 x 28 AWG
45-715		2 & 4	CEN36 (Male)/CEN36 (Female)	10	Putty	25 x 28 AWG
45-700		2	CEN36 (Male)/CEN36 (Male)	6	Putty	25 x 28 AWG
45-705		2	CEN36 (Male)/CEN36 (Male)	10	Putty	25 x 28 AWG

Parallel Print Adapters

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-595	45-595-BU		DB25 (Female)/CEN36 (Female) Adapter		Gray	
45-597	45-597-BU	5	DB25 (Male)/CEN36 (Female) Adapter		Gray	
45-598	45-598-BU	6	DB25 (Female)/CEN36 (Male) Adapter		Putty	

SERIAL DATA CABLES



DB9 Series

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Protocol	Length (Feet)	Color	Cable
45-308		7 & 8	DB9 (Male)/DB9 (Female)	RS-232	6	Putty	9 x 28 AWG
45-309		8	DB9 (Female)/DB9 (Female)	RS-232	6	Putty	9 x 28 AWG
45-314		7 & 8	DB9 (Male)/DB9 (Female)	RS-232	10	Putty	9 x 28 AWG
45-306		7 & 8	DB9 (Male)/DB9 (Female)	RS-232	25	Putty	9 x 28 AWG
45-315		7	DB9 (Male)/DB9 (Male)	RS-232	6	Putty	9 x 28 AWG
45-316		7	DB9 (Male)/DB9 (Male)	RS-232	10	Putty	9 x 28 AWG
45-317		7	DB9 (Male)/DB9 (Male)	RS-232	25	Putty	9 x 28 AWG
45-302		7 & 9	DB9 (Male)/Strip End	RS-232	7	Putty	9 x 28 AWG
45-303		8 & 9	DB9 (Female)/Strip End	RS-232	7	Putty	9 x 28 AWG

DB15 Series

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Protocol	Length (Feet)	Color	Cable
45-1556		10&11	DB15 (Male)/DB15 (Female)	RS-422	6	Beige	15 x 28 AWG
45-330		10&11	DB15 (Male)/DB15 (Female)	RS-422	8	Beige	15 x 28 AWG
45-332		10&11	DB15 (Male)/DB15 (Female)	RS-422	10	Beige	15 x 28 AWG
45-1566		10	DB15 (Male)/DB15 (Male)	RS-422	6	Beige	15 x 28 AWG
45-1558		10	DB15 (Male)/DB15 (Male)	RS-422	10	Beige	15 x 28 AWG

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###

SERIAL DATA CABLES (Cont.)



Fig.1



Fig.2



Fig.3



Fig.4

DB25 Series

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Protocol	Length (Feet)	Color	Cable
45-371		1	DB25 (Female)/DB25 (Female)	RS-232	6	Putty	25 x 28 AWG
45-373		1	DB25 (Female)/DB25 (Female)	RS-232	10	Putty	25 x 28 AWG
45-372		1	DB25 (Female)/DB25 (Female)	RS-232	15	Putty	25 x 28 AWG
45-358		1&2	DB25 (Female)/DB25 (Male)	RS-232	2	Putty	25 x 28 AWG
45-379		1&2	DB25 (Female)/DB25 (Male)	RS-232	6	Putty	25 x 28 AWG
45-374		1&2	DB25 (Female)/DB25 (Male)	RS-232	10	Putty	25 x 28 AWG
45-1555		1&2	DB25 (Female)/DB25 (Male)	RS-232	15	Putty	25 x 28 AWG
45-375		1&2	DB25 (Female)/DB25 (Male)	RS-232	25	Putty	25 x 28 AWG
45-355		1&2	DB25 (Female)/DB25 (Male)	RS-232	50	Putty	25 x 28 AWG
45-356		1&2	DB25 (Female)/DB25 (Male)	RS-232	100	Putty	25 x 28 AWG
45-1502		2	DB25 (Male)/DB25 (Male)	RS-232	2	Putty	25 x 28 AWG
45-376		2	DB25 (Male)/DB25 (Male)	RS-232	6	Putty	25 x 28 AWG
45-4363		2	DB25 (Male)/DB25 (Male)-Premium	RS-232	5	Putty	25 x 26 AWG
45-4364		2	DB25 (Male)/DB25 (Male)-Premium	RS-232	10	Putty	25 x 26 AWG
45-4366		2	DB25 (Male)/DB25 (Male)	RS-232	25	Putty	25 x 28 AWG
45-377		2	DB25 (Male)/DB25 (Male)	RS-232	10	Putty	25 x 28 AWG
45-378		2	DB25 (Male)/DB25 (Male)	RS-232	25	Putty	25 x 28 AWG
45-357		2	DB25 (Male)/DB25 (Male)	RS-232	50	Putty	25 x 28 AWG
45-369		2	DB25 (Male)/DB25 (Male)	RS-232	100	Putty	25 x 28 AWG

DB37 Series

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Protocol	Length (Feet)	Color	Cable
45-463		3&4	DB37 (Male)/DB37 (Female)	RS-449	3	Putty	37 x 28 AWG
45-466		3&4	DB37 (Male)/DB37 (Female)	RS-449	6	Putty	37 x 28 AWG

SCSI CABLES, ADAPTERS & TERMINATORS



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10

SCSI Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Conductor	Type
45-846		5&7	Half Pitch CEN60 (Male)/CEN50 (Male), UL	6	Black	25 Pairs x 28 AWG	IBM RS 6000-SCSI 1
45-863		6&7	DB25 (Male)/CEN50 (Male)	3	Putty	19 Pairs x 26 AWG	Apple-SCSI 1
45-866		6&7	DB25 (Male)/CEN50 (Male)	6	Putty	19 Pairs x 26 AWG	Apple-SCSI 1

SCSI 1 Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Conductor	Type
45-853		7	CEN50 (Male)/CEN50 (Male)	3		25 x 28 AWG	SCSI 1-SCSI 1
45-854		7	CEN50 (Male)/CEN50 (Male)	3	Putty	50 x 28 AWG	SCSI 1-SCSI 1
45-873		7&8	CEN50 (Male)/CEN50 (Female)	3		25 x 28 AWG	SCSI 1-SCSI 1
45-856		7	CEN50 (Male)/CEN50 (Male)	6	Putty	25 x 28 AWG	SCSI 1-SCSI 1

SCSI 2 Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Conductor	Type
45-1813		9	Half Pitch DB50 (Male)/Half Pitch DB50 (Male)	1.5	Putty	25 Pairs x 28 AWG	SCSI 2-SCSI 2
45-890		9	Half Pitch DB50 (Male)/Half Pitch DB50 (Male)	6	Putty	25 Pairs x 28 AWG	SCSI 2-SCSI 2

SCSI 3 Cables

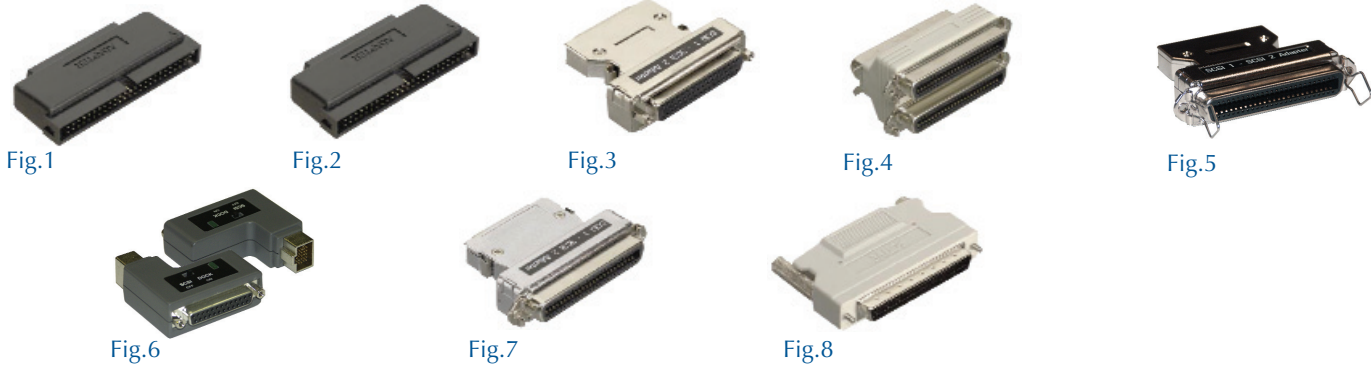
Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Conductor	Type
45-803		10	Half Pitch DB68 (Male)/(Male)	3	Putty		SCSI 3-SCSI 3
45-877		10& 7	Half Pitch DB68 (Male)/CEN50 (Male)	6	Putty	25 Pairs x 28 AWG	SCSI 3-SCSI 1
45-905		9 & 7	Half Pitch DB50 (Male)/CEN50 (Male)	3	Putty	25 Pairs x 28 AWG	SCSI 3-SCSI 2
45-906		10& 9	Half Pitch DB68 (Male)/Half Pitch DB50 (Male)	3	Putty	25 Pairs x 28 AWG	SCSI 3-SCSI 2

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SCSI CABLES, ADAPTERS & TERMINATORS (Cont.)

Computer



SCSI Adapters

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Conductor	Type
45-6831		1	Half Pitch DB68 (Female)/IDC 50 (Female) for ribbon cable		Black		SCSI 3
45-6832		2	Half Pitch DB68 (Male)/IDC 50 (Male) for ribbon cable		Black		SCSI 3
45-865		3	DB50 (Female)/HP DB50 (Male)		Steel		RS232-SCSI 2
45-868		4	SCSI "T" Adapter CEN50 (Male)/(2) CEN50 (Female)		Putty		SCSI 1
45-869		5	CEN50 (Female)/HP DB50 (Male)		Steel		SCSI 1-SCSI 2
45-891		6	Apple to Apple Powerbook®, DB-25 (Female)/HDI30 (Male)		Gray		
45-892		7	CEN50 (Female)/Half Pitch DB50 (Male)		Steel		SCSI 1-SCSI 2

SCSI Terminators

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Conductor	Type
45-878		8	Active Micro DB68 (Male)		Putty		SCSI 3

KEYBOARD CABLES & ADAPTERS



Keyboard Extension & Replacement Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-405		9&10	DIN5 (Male)/DIN5 (Female)-Straight	6	Putty	5 x 28 AWG
45-4410		9&10	DIN5 (Male)/DIN5 (Female)-Straight	10	Putty	5 x 28 AWG
45-4510	45-4510-BU	9	DIN5 (Male)/DIN5 (Male)-Straight	10	Putty	5 x 28 AWG
64-4407		9	DIN5 (Male)/DIN5 (Male)-Straight	6	Putty	5 x 28 AWG

Keyboard Adapters

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-571		9&12	DIN5 (Male)/MD6 (Female)		Putty	4 x 28 AWG
45-570		10&11	DIN5 (Female)/MD6 (Male)	0.5	Putty	4 x 28 AWG
45-573		13	DIN5 (Female)/MD6 (Male)		Putty	

Keyboard "Y" Adapter

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-568		14	MD6 (Male)/(2) MD6 (Female)	0.5	Putty	4 x 28 AWG

IBM PS2® Keyboard Cables

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color	Cable
45-4605		11&12	MD6 (Male)/MD6 (Female) Coiled	6	Putty	6 x 28 AWG Coiled
45-430		11	MD6 (Male)/MD6 (Male)	6	Putty	6 x 28 AWG
45-431		11&12	MD6 (Male)/MD6 (Female)	6	Putty	6 x 28 AWG
45-4606		15	MD6 (Male)/MD6 (Male)	6	Putty	6 x 28 AWG
45-433		11	MD6 (Male)/MD6 (Male)	8	Putty	6 x 29 AWG
45-4610		11	MD6 (Male)/MD6 (Male)	10	Putty	6 x 28 AWG
45-432		11&12	MD6 (Male)/MD6 (Female)	12	Putty	6 x 28 AWG
45-4625		11&12	MD6 (Male)/MD6 (Female)	25	Putty	6 x 28 AWG

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SPECIALTY CABLES & ADAPTERS

Computer



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11



Fig.12



Fig.13



Fig.14



Fig.15

IBM®-AT, PS®/2 & Compatible Adapter Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-391		1	AT Ser Cable DB9 (Female)/DB25 (Male)	6	Putty	7 x 28 AWG
45-4427		1	Modem Cable DB9 (Female)/DB25 (Male)	6	Putty	7 x 28 AWG
45-320		1	Modem Cable DB9 (Female)/DB25 (Male)	6	Putty	7 x 28 AWG
45-321		1	Modem Cable DB9 (Female)/DB25 (Male)	10	Putty	7 x 28 AWG

Null Modem Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-389		2	DB9 (Female)/DB9 (Female)	6	Putty	7 x 28 AWG
45-390		3	DB9 (Male)/DB9 (Male)	10	Putty	7 x 28 AWG
45-393		4	DB25 (Male)/DB25 (Female)	6	Putty	9 x 28 AWG
45-395		4	DB25 (Male)/DB25 (Female)	10	Putty	9 x 28 AWG
45-394		5	DB25 (Male)/DB25 (Male)	10	Putty	9 x 28 AWG

Null Modem Adapters

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-589		6	DB25 (Male)/DB25 (Female)		Putty	
45-582	45-582-BU	6	DB25 (Male)/DB25 (Female) Standard		Putty	
45-583	45-583-BU	6	DB25 (Male)/DB25 (Female) Full Handshake		Putty	
45-584	45-584-BU	6	DB25 (Male)/DB25 (Female) No Handshake		Putty	

Apple® Computer Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-880		7	MD-3 (Male)/MD-3 (Male)	6	Gray	
45-815		8	MD-8 (Male)/MD-8 (Female)	10	Gray	
45-831		8	MD-8 (Male)/DB-9 (Female)	0.5	Gray	
45-805		9	MD-8 (Male)/MD-8 (Male)	10	Gray	
45-836		9	MD-8 (Male)/DB-9 (Female)	6	Gray	
45-840		10	MD-8 (Male)/MD-8 (Male)	8.5	Gray	
45-845		11	MD-8 (Male)/DB25 (Male)	8.5	Gray	
45-872		12	SCSI 1 Cable to Apple® Powerbook™, CEN-50 (Male)/HDI-30 (Male)	2	Gray	
45-885		13	SCSI 1 Cable to Apple® Powerbook™, CEN-50 (Female)/HDI-30 (Male)	2	Gray	

Lap-Link™ Cable

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-730		14	DB25 (M)/(M), DB25 (F)/(F), DB9 (F)/(F) (6 Ended)	6	Gray	28 AWG

IEEE 488 GPIB Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable
45-450		15	CEN 24 (Male)/CEN 24 (Female)	6.5	Gray	

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MOUSE ADAPTERS



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5

Computer

Mouse Adapters

Retail Part No.	Bulk Part No.	Figure No.(s)	Description	Length (Feet)	Color
45-574		1	MAC® Mouse to IBM® AT, DB9 (Male)/MD8 (Female)		Putty
45-577		2	Serial Mouse to MAC®, DB9 (Male)/MD8 (Male)		Putty
45-578		3	Serial Mouse to PS/2 DB9 (Male)/MD6 (Male)		Putty
45-579		4	PS/2 Mouse to IBM® AT, DB9 (Female)/MD6 (Female)		Putty
45-888		5	Serial Mouse to PS/2, DB9 (Male)/MD6 (Male)	0.5	Putty

INTERNAL CABLES



Fig.6

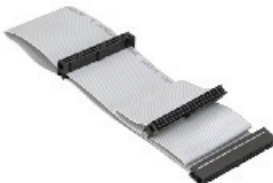


Fig.7



Fig.8



Fig.9



Fig.10

Internal SCSI Cables

Retail Part No.	Bulk Part No.	Figure No.	Description
45-6808		6	SCSI 3 Cable for 2 (Male) 1 (7) Drives

Internal Drive Cables

Retail Part No.	Bulk Part No.	Figure No.	Length (Inches)	Description
45-893		7	18	Hard Disk Drive IDC40 (Female)/(1) IDC40 (Female)
45-894		7	24	Hard Disk Drive IDC40 (Female)/(2) IDC40 (Female)
45-895		8	32	Floppy Drive (2) Card Edged 34(Female)/(3) IDC34 (Female)

Power Splitters

Retail Part No.	Bulk Part No.	Figure No.	Length (Inches)	Description
45-4102		9	6	(1) 5.25" (Male)/(1) 5.25" (Female) + (1) 3.5" (Female)
45-4103		9	12	(1) 5.25" (Male)/(2) 3.5" (Female)
45-4110		10	6	(1) 5.25" (Male)/(2) 5.25" (Female)
45-4104		10	12	(1) 5.25" (Male)/(2) 5.25" (Female)

5-Piece Motherboard Cable Set

Retail Part No.	Bulk Part No.	Figure No.	Description
45-235		11	DB25 (M)/IDC10 (F) 12", DB9 (M)/IDC10 (F) 12", DB25 (F)/IDC26 (F) 12", IDC34 (F)/(2) IDC34 (F) 24", IDC40 (F)/(2) IDC40 (F) 18"

3-Piece Motherboard Cable Set

Retail Part No.	Bulk Part No.	Figure No.	Description
45-233		11a	DB25 (M)/IDC10 (F) 30cm, DB9 (M)/IDC10 (F) 30cm, DB25 (F)/IDC26 (F) 30cm

2-Piece Motherboard Cable Set

Retail Part No.	Bulk Part No.	Figure No.	Description
45-238		11b	IDC34 (Female)/(2) IDC34 (Female) 18", IDC40 (Female)/(2) IDC40 (Female) 18"



Fig.11a

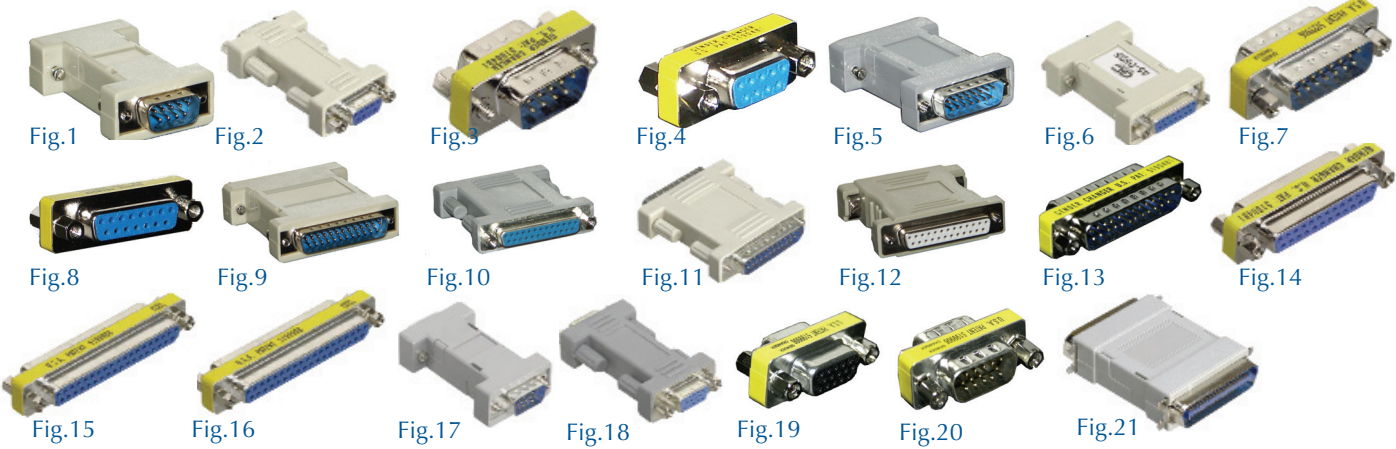
Fig.11b

Fig.11
#103

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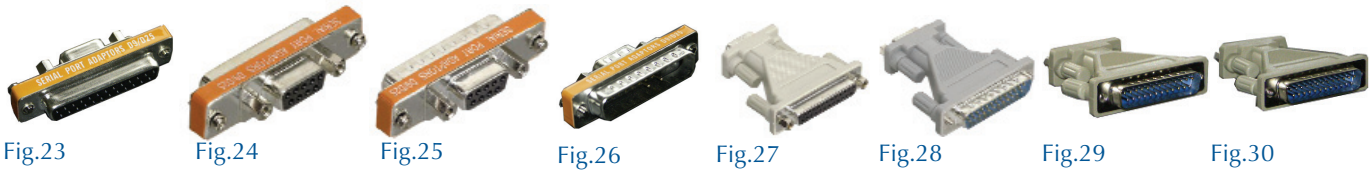
GENDER CHANGERS

Computer



Gender Changers

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Inches)	Color	Type
45-510	45-510-BU	1	DB9 (Male)/(Male)	2.490	Putty	Full Size
45-515	45-515-BU	2	DB9 (Female)/(Female)	2.490	Putty	Full Size
45-517	45-517-BU	3	DB9 (Male)/(Male)	0.690	Yellow	Low Profile
45-518	45-518-BU	4	DB9 (Female)/(Female)	0.690	Yellow	Low Profile
45-520	45-520-BU	5	DB15 (Male)/(Male)	2.500	Putty	Full Size
45-525	45-525-BU	6	DB15 (Female)/(Female)	2.440	Putty	Full Size
45-527	45-527-BU	7	DB15 (Male)/(Male)	0.707	Yellow	Low Profile
45-528	45-528-BU	8	DB15 (Female)/(Female)	0.690	Yellow	Low Profile
45-4100		9	DB25 (Male)/(Male)	2.500	Putty	Double Shielded
45-4101		10	DB25 (Female)/(Female)	2.500	Putty	Double Shielded
45-500	45-500-BU	11	DB25 (Male)/(Male)	2.150	Putty	Full Size
45-505	45-505-BU	12	DB25 (Female)/(Female)	2.160	Putty	Full Size
45-507	45-507-BU	13	DB25 (Male)/(Male)	0.690	Yellow	Low Profile
45-508	45-508-BU	14	DB25 (Female)/(Female)	0.700	Yellow	Low Profile
45-540	45-540-BU	15	DB37 (Male)/(Male)	0.709	Yellow	Low Profile
45-543	45-543-BU	16	DB37 (Female)/(Female)	0.697	Yellow	Low Profile
45-560	45-560-BU	17	HD15 (Male)/(Male)	2.500	Gray	Full Size
45-561	45-561-BU	18	HD15 (Female)/(Female)	2.500	Gray	Full Size
45-564	45-564-BU	19	HD15 (Female)/(Female)	0.695	Yellow	Low Profile
45-521	45-521-BU	20	HD15 (Male)/(Male)	0.715	Yellow	Low Profile
45-530	45-530-BU	21	CEN36 (Male)/(Male)	2.960	Putty	Full Size



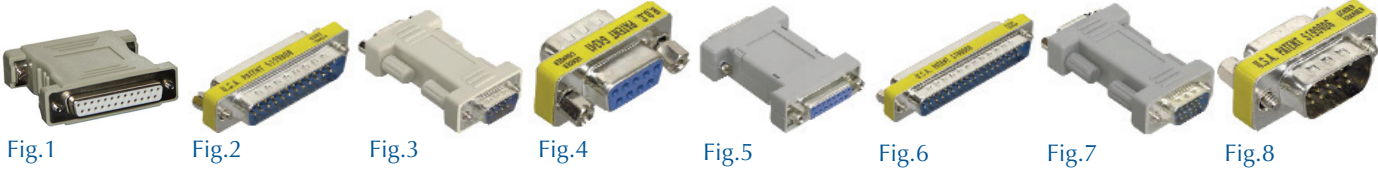
Port Adapters

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Inches)	Color	Type
45-2509		23	DB9 (Female)/DB25 (Female)	0.720	Orange	Low Profile Serial
45-2510		24	DB9 (Male)/DB25 (Female)	0.720	Orange	Low Profile Serial
45-2511		25	DB9 (Female)/DB25 (Male)	0.720	Orange	Low Profile Serial
45-2512		26	DB9 (Male)/DB25 (Male)	0.719	Orange	Low Profile Serial
45-512		27	DB9 (Male)/DB25 (Female)	2.410	Putty	Full Size
45-585	45-585-BU	28	DB9 (Female)/DB25 (Male)	2.835	Gray	Full Size, PC-Modem
45-586	45-586-BU	29	DB9 (Female)/DB25 (Male)	2.406	Putty	Full Size, PC-Serial Printer
45-588	45-588-BU	30	DB9 (Female)/DB25 (Male)	2.425	Putty	Full Size, Straight Through

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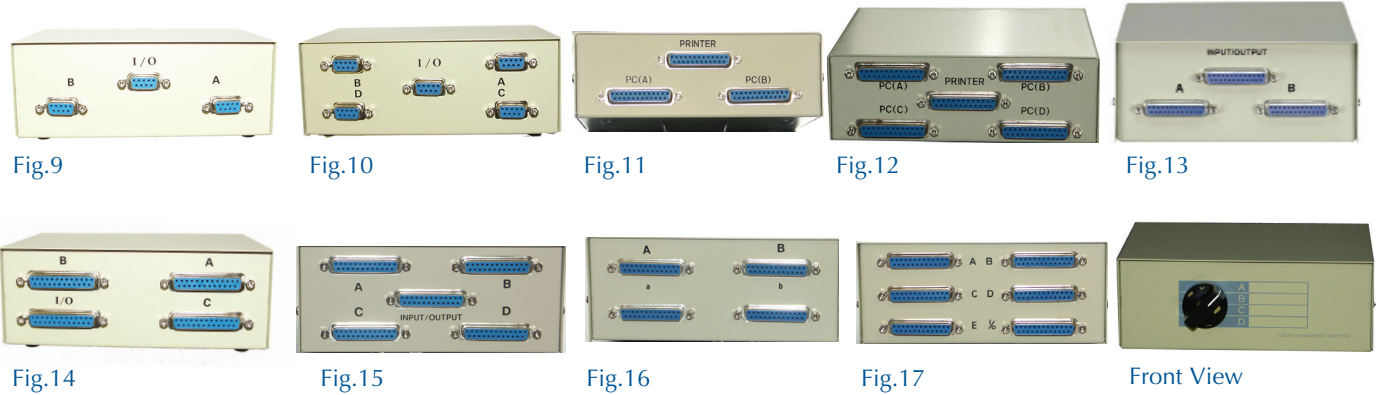
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Port Protectors

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Inches)	Color	Type
45-506	45-506-BU	1	DB25 (Male)/(Female)	2.500	Putty	Full Size
45-509	45-509-BU	2	DB25 (Male)/(Female)	0.700	Yellow	Low Profile
45-516	45-516-BU	3	DB9 (Male)/(Female)	2.220	Putty	Full Size
45-519	45-519-BU	4	DB9 (Male)/(Female)	0.696	Yellow	Low Profile
45-526	45-526-BU	5	DB15 (Male)/(Female)	2.440	Gray	Full Size
45-545	45-545-BU	6	DB37 (Male)/(Female)	0.697	Yellow	Low Profile
45-562	45-562-BU	7	HD15 (Male)/(Female)	2.500	Gray	Full Size
45-563	45-563-BU	8	HD15 (Male)/(Female)	0.700	Yellow	Low Profile

DATA SWITCHES



“D-Sub” Type Manual Switches

Retail Part No.	Bulk Part No.	Figure No.	Description	Port Nos.	Color	Wiring
45-2030		9	DB9 A/B	2	Putty	Straight Through
45-2035		10	DB9 A/B/C/D	4	Putty	Straight Through
45-2220		11	Bi-directional DB25 A/B	2	Putty	Straight Through
45-2221		12	Bi-directional DB25 A/B/C/D	4	Putty	Straight Through
64-2001		13	DB25 A/B	2	Putty	Straight Through
45-2002		14	DB25 A/B/C	3	Putty	Straight Through
45-2005		15	DB25 A/B/C/D	4	Putty	Straight Through
45-2008		16	DB25 “X” A/a/B/b or A/b/B/a	4	Putty	Straight Through
45-2006		17	DB25 A/B/C/D/E	5	Putty	Straight Through



“D-Sub” Type Automatic Switches

Retail Part No.	Bulk Part No.	Figure No.	Description	Port Nos.	Color	Wiring
45-2222		18	DB25 Auto Switch, A/B, Directional	2	Putty	Straight Through
45-2224		19	DB25 Auto Switch, A/B/C/D, Directional	4	Putty	Straight Through
45-2225		20	Bi-directional Auto Switch, DB25 A/B	2	Putty	Straight Through
45-2091		21	Parallel Auto Switch, DB25 A/B	2	Putty	Straight Through
45-2580		22	8-way Auto Switch, DB25	8	Putty	Straight Through

DATA SWITCHES (Cont.)



Fig.1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Monitor Data Switch

Retail Part No.	Bulk Part No.	Figure No.	Description	Port Nos.	Color	Wiring
45-2050		1	HD15 A/B	2	Putty	Straight Through
45-2255		2	HD15 + D5 A/B	3	Putty	Straight Through
45-2054		3	HD15 "X" A/a/B/b or A/b/B/a	2	Putty	Straight Through
45-2203		4	MD6 + MD6 + HD15 A/B	6	Putty	Straight Through
45-2206		5	MD6 A/B	2	Putty	Straight Through



Fig. 6



Fig. 7



Fig. 8

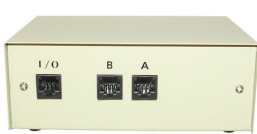


Fig. 9



Fig. 10

Telephone, Voice & Data Switches

Retail Part No.	Bulk Part No.	Figure No.	Description	Port Nos.	Color	Wiring
45-2061		6	RJ11 (4c) or RJ12 (6C) A/B	2	Putty	Straight Through
45-2064		7	RJ11 (4c) or RJ12 (6C) A/B/C/D	4	Putty	Straight Through
45-2065		8	RJ11 (4c) or RJ12 (6C) "X" A/a/B/b or A/b/B/a	4	Putty	Straight Through
45-2055		9	RJ45 (8c) A/B	2	Putty	Straight Through
45-2056		10	RJ45 (8c) A/B/C	3	Putty	Straight Through



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15

Specialty Switches

Retail Part No.	Bulk Part No.	Figure No.	Description	Port Nos.	Color	Wiring
45-2108		11	BNC A/B	2	Putty	Straight Through
45-2110		12	BNC "X" A/a/B/b or A/b/B/a	4	Putty	Straight Through
45-2119		13	Twin-AX "X" A/a/B/b or A/b/B/a	4	Putty	Straight Through
45-2075		14	MD-8 A/B/C/D	2	Putty	Straight Through
45-2118		15	Twin-AX A/B	2	Putty	Straight Through

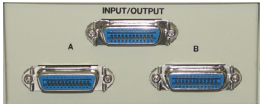


Fig. 16



Fig. 17

Centronics Switches

Retail Part No.	Bulk Part No.	Figure No.	Description	Port Nos.	Color	Wiring
45-2010		16	CEN 24 A/B	2	Putty	Straight Through
45-2022		17	CEN 36 A/B/C	3	Putty	Straight Through

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Comfort Accessories

Retail Part No.	Bulk Part No.	Figure No.	Description
64-301		1	Mouse Pads, 8.5" x 10" w/Display Carton of 12(Colors: Red, Blue, Green and Gray)
64-303		2	Keyboard Wrist Pad

3 Button Scrolling Mouse

Retail Part No.	Bulk Part No.	Figure No.	Description
64-150		3a	3 Button Scrolling Mouse with Adapter
64-151		3b	3 Button Scrolling Optical Mouse



Fig. 3a

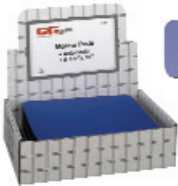


Fig. 1

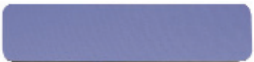


Fig. 2



Fig. 3b

SMALL OFFICE/HOME OFFICE ACCESSORIES

Cleaner and Maintenance

Retail Part No.	Bulk Part No.	Figure No.	Description
64-354		4	CD Drive Lens cleaner, with Brush

Storage Devices

Retail Part No.	Bulk Part No.	Figure No.	Description
64-3502		5	Diskette Storage Cases, holds 2 diskettes, 4 Pack



Fig. 4



Fig. 5

TOOLS & TESTERS



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Computer Tool Kit

Retail Part No.	Bulk Part No.	Figure No.	Description
44-350		6	Kit includes: 2 Slotted & 2 Phillips Screwdrivers, 2Nutdrivers, 1 Reversible Torx Screwdriver, 1 Parts Tube, 1 3-Claw Parts Holder, 1 Tweezer, 1 Vinyl Zipper Case

Breakout Box (RS232 Type)

Retail Part No.	Bulk Part No.	Figure No.	Description
45-493		7	RS232 Breakout Box, with Jumper wires & Case (DB-25 only, not for DB-9)

Testers

Retail Part No.	Bulk Part No.	Figure No.	Description
45-1518		8	Port Tester, DB25 (Male)/(Female) 18 LED's
45-580	45-580-BU	9	Quick Port Checker, DB25 (Male)/(Female) 7 LED's

Port Re-configuration Kits

Retail Part No.	Bulk Part No.	Figure No.	Description
45-480	45-480-BU	10	DB25 (Male)/(Female) + Hardware
45-481	45-481-BU	11	DB9 (Male)/(Female) + Hardware

Surge Protector

Retail Part No.	Bulk Part No.	Figure No.	Description
45-581	45-581-BU	12	Built in MOV Provides Protection on 5 Data lines. DB25 (Male)/(Female)

For the latest information--www.gcelectronics.com
All quantities are single; BU's are packages of 10 Unless otherwise noted.

###

COMPUTER CONNECTORS

Computer



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

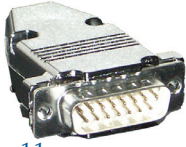


Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21



Fig. 22



Fig. 23

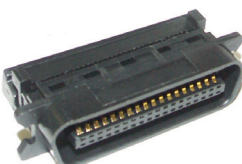


Fig. 24



Fig. 25

“D-Sub” Type Connectors

Retail Part No.	Bulk Part No.	Figure No.	Description
45-1060		1	DB25 (M) + PVC Shell
45-1061		2	DB25 (F) + PVC Shell
45-1080		3	DB25 (M) + Die-cast Shell
45-1081		4	DB25 (F) + Die-cast Shell
45-1035		5	DB9 (M) + PVC Shell
45-1036		6	DB9 (F) + PVC Shell
45-1040		7	DB9 (M) + Die-cast Shell
45-1041		8	DB9 (F) + Die-cast Shell
45-1131		9	DB15 (M) + PVC Shell
45-1132		10	DB15 (F) + PVC Shell
45-1140		11	DB15 (M) + Die-cast Shell
45-1141		12	DB15 (F) + Die-cast Shell

“D-Sub” Hoods

Retail Part No.	Bulk Part No.	Figure No.	Description
45-5008	45-5008-BU	13	DB25, PVC Gray Hoods
45-5018	45-5018-BU	13	DB25, PVC Black Hoods
45-5041	45-5041-BU	13	DB25, PVC Blue Hoods
45-5042	45-5042-BU	13	DB25, PVC Green Hoods
45-5043	45-5043-BU	13	DB25, PVC Red Hoods
45-5045	45-5045-BU	13	DB25, PVC Yellow Hoods
45-5006	45-5006-BU	14	DB9, PVC Gray Hoods
45-5016	45-5016-BU	14	DB9, PVC Black Hoods
45-5021	45-5021-BU	14	DB9, PVC Blue Hoods
45-5022	45-5022-BU	14	DB9, PVC Green Hoods
45-5007	45-5007-BU	15	DB15, PVC Gray Hoods
45-5017	45-5017-BU	15	DB15, PVC Black Hoods
45-5024	45-5024-BU	15	DB15, PVC Green Hoods
45-5033	45-5033-BU	15	DB15, PVC Red Hoods
45-5035	45-5035-BU	15	DB15, PVC Yellow Hoods

DIN Plugs

Retail Part No.	Bulk Part No.	Figure No.	Description
45-1151		16	MD3 (M)
45-1152		17	MD8 (M)
45-1166		18	MD6 (M)
45-1167		19	MD6 (F)
45-1155		20	D5 (M) 180°

Insulation Displacement Connectors

Retail Part No.	Bulk Part No.	Figure No.	Description
45-1070		21	IDC-DB25 (M)
45-1030		22	IDC-DB9 (M)
45-1031		23	IDC-DB9 (F)
45-1000		24	IDC-CEN36 (M)
45-1001		25	IDC-CEN36 (F)

###

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ALLIGATOR CLIPS (Cont)

Computer



Fig. 1

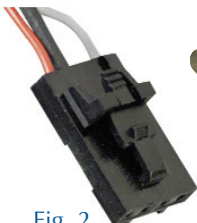


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

CD-ROM Cables

Retail Part No.	Bulk Part No.	Fig. No.	Description
45-4702		1	CD-ROM Cable, Sound Blaster/Panasonic™ A-D
45-4704		2	CD-ROM Cable, Sound Blaster/Toshiba™ A-B
45-4706		3	CD-ROM Cable, Sound Blaster/NEC™
45-4708		4	CD-ROM Cable, Sound Blaster/Sony™
45-4710		5	CD-ROM Cable, Sound Blaster/Mitsumi™ A-A
45-4712		6	CD-ROM Cable, Sound Blaster/Mitsubishi™ D-D
45-4714		7	CD-ROM Cable, Sound Blaster/Universal

Midi Keyboard Cables

Retail Part No.	Bulk Part No.	Figure No.	Description
45-1516		8	Midi Cable, DB15 (M)/DB15 (F) + (2) D5 (M) 6'
45-1515		9	Midi Cable, D5 (Male)/D5 (Male) 6'



Fig. 12



Fig. 13

Computer Speakers, Microphones, and Headphones

Retail Part No.	Bulk Part No.	Fig. No.	Description
64-8861		12	Magnetically Shielded/2 Channel Amplifier, 140W (PMPO) Vol. Controls
64-8862		13	Magnetically Shielded USB Powered Multimedia Speaker Pair, Black-AX Audio X-treme Series
64-8863		13	Magnetically Shielded USB Powered Multimedia Speaker Pair, Red-AX Audio X-treme Series

POWER CORDS

Computer



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Power Cords

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable	Rating
45-400		1	AC (Male) (Molded)/AC (Female) (Shrouded)	6	Black	3 x 18 AWG Stranded	125V, 10A, 75°C
45-406		1	AC (Male) (Molded)/AC (Female) (Shrouded)	10	Black	3 x 18 AWG Stranded	125V, 10A, 75°C
45-407		2	AC (Male) (Molded)/Right Angle AC (Female) (Shrouded)	20	Black	3 x 18 AWG Stranded	125V, 10A, 75°C
45-403		3	AC (Male) (Shrouded)/AC (Female) (Shrouded)	1	Black	3 x 18 AWG Stranded	125V, 10A, 75°C
45-404		3	AC (Male) (Shrouded)/AC (Female) (Shrouded)	6	Black	3 x 18 AWG Stranded	125V, 10A, 105°C
45-412		3	AC (Male) (Shrouded)/AC (Female) (Shrouded)	12	Black	3 x 18 AWG Stranded	125V, 10A, 75°C
45-415		3	AC (Male) (Shrouded)/AC (Female) (Shrouded)	15	Black	3 x 18 AWG Stranded	125V, 10A, 75°C

Monitor Power & Adapter Cords

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable	Rating
45-401		4	AC (Male) (Shrouded)/AC (Female) (Molded)	1	Black	3 x 18 AWG Stranded	125V, 10A, 105°C
45-408		4	AC (Male) (Shrouded)/AC (Female) (Molded)	6	Black	3 x 18 AWG Stranded	125V, 10A, 75°C
45-409		4	AC (Male) (Shrouded)/AC (Female) (Molded)	12	Black	3 x 18 AWG Stranded	125V, 10A, 75°C

Extension Cord

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable	Rating
45-402		5	AC (Male) (Molded)/AC (Female) (Molded)	6	Black	3 x 16 AWG Stranded	125V, 13A, 105°C

Laptop Charger Cord IEC-320-C5

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Color	Cable	Rating
45-418		6	AC (Male) (Molded)/AC (Female) (Molded)	6	Black	3 x 18 AWG Stranded	125V, 10A, 75°C



Fig. 7



Fig. 8

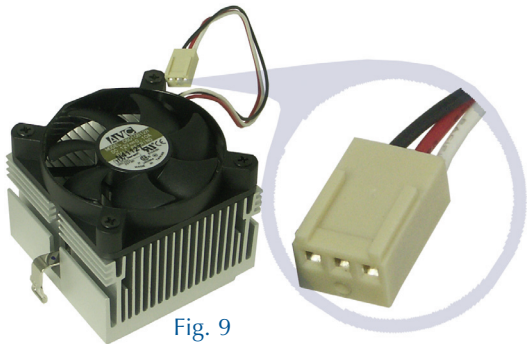


Fig. 9

Equipment Cooling Fan 115VAC

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
2597		7	Standard 4-1/8", 115VAC, 60 Hz, 3100 RPM, 105 CFM airflow	Black

CPU Cooling Fans 12VDC

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
45-4586		8	4586 & Pentium™ Fan with Heat Sink, (2 x 2.06 x 0.875")	Black
45-4686		9	Pentium™ Pro Fan with Heatsink, (2.36 x 2.36 x 1.89")	Black

###

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COMPUTER CABLE

USB 3.0 computer cable for PC, Consumer Electronics and Mobile Architectures. Fast, bidirectional, low-cost, dynamically attachable interface that is consistent with the requirements of the PC platforms of today and tomorrow.

USB-A 3.0 Plug to Micro USB-B Plug

Features

- Gold Plated 15µ
- Color: Blue

Benefits

- Plug-and-play connectivity
- Compatible with the following devices: camera, camcorder, scanners, printers, personal PC's, USB: phones, car chargers (Ref. Part No. 30-3162 for more info.) and other devices
- 3.0 standard specifies a maximum transmission speed of up to 5 Gbit/s (625 MB/s), which is over 10 times as fast as USB 2.0 (480 Mbit/s, or 60 MB/s). USB 3.0 reduces the time required for data transmission, reduces power consumption, and is backward compatible with USB 2.0.



Part No. 45-1433-3

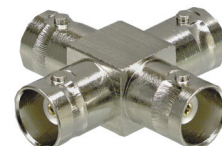
Mtr.'s Type*	Desc.	Ft.
45-1431-1	A to A Plug	3.281
45-1431-2	A to A Plug	6.561
45-1431-3	A to A Plug	9.843
45-1432-1	A to B Plug	3.281
45-1432-2	A to B Plug	6.561
45-1432-3	A to B Plug	9.843
45-1433-1	A to Micro B Plug	3.281
45-1433-2	A to Micro B Plug	6.561
45-1433-3	A to Micro B Plug	9.843



CONNECTORS

Contents:

- Alligator Clips p92
- Binding Posts p92
- Banana Plugs & Jacks p93
- "F" Coax Adapters p94
- "F" Coax Connectors p95-96
- Audio Adapters p97
- Audio Connectors p98
- Phono Plugs/Jacks p98
- Audio Couplers p99
- Audio "Y" Adapters p99-100
- Phone Plugs p100-101
- Speaker Terminals p101
- Phone Plugs, Terminals, Jacks p101-102
- Connectors p103-108
- DIN Connectors p108
- D-Subminiature Connectors p109-111
- Connector Programs p112-118



ALLIGATOR CLIPS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Miniature Alligator Clip

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type	Jaw Opening Inch(mm)
	33-077-BU	5999-00-060-8996	1	Mini Alligator Clip	5 Amps	Nickel Plated Steel	Solder	1/2" (12.700)

Can be used with GC Electronics 26-18 AWG Hook-Up Wire (See Wire Section p422-423)

Alligator Clip w/Vinyl Sleeve

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type	Jaw Opening Inch(mm)
	33-075-BU	5999-00-880-5534	2	Red Handle Clip	5 Amps	Nickel Plated Steel	Solder/Screw	5/16" (7.938)
	33-076-BU	5999-00-235-0214	2	Black Handle Clip	5 Amps	Nickel Plated Steel	Solder/Screw	5/16" (7.938)

Can be used with GC Electronics 26-18 AWG Hook-Up Wire (See Wire Section p422-423)

Alligator Clips

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type	Jaw Opening Inch(mm)
	33-078-BU		3	Alligator Clip	5 Amps	Nickel Plated Steel	Solder/Banana	3/8" (9.525)
	33-079-BU		4	Alligator Clip	5 Amps	Nickel Plated Steel	Screw/Banana	3/8" (9.525)

Can be used with GC Electronics 26-18 AWG Hook-Up Wire (See Wire Section p422-423)

Alligator Clip Insulator

Retail Part No.	Bulk Part No.	Figure Number	Description	Jaw Opening Inch(mm)
	33-081-BU	5	Red-Flexible Molded Vinyl Insulator that Fits All Standard Sizes	N/A
	33-082-BU	5	Black-Flexible Molded Vinyl Insulator that Fits All Standard Sizes	N/A

For use with above Alligator Clips



Fig. 6



Fig. 7



Fig. 8

Heavy Duty Binding Posts

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type
	33-278-BU		6	Red Molded Nylon per MIL-P-20693A	30 Amps	Nickel Plated Brass	Banana/Tip Plug,Lug,
	33-280-BU		6	Black Molded Nylon per MIL-P-20693A	30 Amps	Nickel Plated Brass	Alligator Clip, Wire

Use 14 AWG or larger

Dual Binding Post

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type
	33-292-BU		7	Molded Nylon per MIL-P-20693A	15 Amps	Nickel Plated Brass	Banana Plugs

Use with GC Electronics Part No. 14-210-9Hxx wire

BNC Male to Dual Binding Post

Retail Part No.	Bulk Part No.	N.S.N. Part No.	Fig. No.	Description	Current Rating	Body	Connection Type
33-1192	33-1192-BU		8	BNC Male to Dual Binding Posts, Stackable	N/A	Nickel Plated Brass	Banana

Use with GC Electronics 18 AWG or larger wire such as Part Nos. 14-210, 14-212, 14-418

BANANA PLUGS & JACKS



Banana Plugs

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type
	33-000-BU	5935-00-079-3892	1	Red Molded Nylon per MIL-P-20693A	15 Amps	Hex Brass	Internal Brass Stud
	33-002-BU	5935-00-949-0104	1	Black Molded Nylon per MIL-P-20693A	15 Amps	Hex Brass	Internal Brass Stud
30-1004			2	Red Molded Nylon per MIL-P-20693A w/slide screw	15 Amps	Brass	Screw
	33-006-BU	5935-00-583-2715	2	Red Molded Nylon per MIL-P-20693A	15 Amps	Brass	Screw
	33-008-BU		2	Black Molded Nylon per MIL-P-20693A	15 Amps	Brass	Screw
	33-013-BU		3	Black Plastic Handle	15 Amps	Brass	Internal Brass Stud
	33-015-BU		3	Red Plastic Handle	15 Amps	Brass	Internal Brass Stud
	33-032-BU	5935-00-925-0341	4	Red Molded Nylon per MIL-P-20693A	15 Amps	Hex Brass	Internal Brass Stud
	33-033-BU		4	Black Molded Nylon per MIL-P-20693A	15 Amps	Hex Brass	Internal Brass Stud

Use with GC Electronics 18 AWG wire Part No. 14-418-1E1x or larger wire

Dual Banana Plugs

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type
	33-010-BU	5935-00-079-7348	5	Black Polystyrene Plastic Handle	15 Amps	Nickel Plated Brass	Screw
	33-011-BU		5	Red Polystyrene Plastic Handle	15 Amps	Nickel Plated Brass	Screw
	33-007-BU		6	Red ABS Housing	15 Amps	Nickel	Screw
	33-009-BU		6	Yellow ABS Housing	15 Amps	Nickel	Screw
	33-004-BU		6	Black ABS Housing	15 Amps	Nickel	Screw
	33-005-BU		5	Green ABS Housing	15 Amps	Nickel	Screw
	33-014-BU		6	Blue ABS Housing	15 Amps	Nickel	Screw

Use with GC Electronics 18 AWG wire Part No. 14-418-1E1x or 14-218-2Ex3 or larger wire

Heavy Duty Banana Jack Panel Mount

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type
	33-186-BU		7	Red Molded Plastic per MIL-P-14-CFG	15 Amps	Nickel Plated Brass	Screw
	33-188-BU		7	Black Molded Plastic per MIL-P-14-CFG	15 Amps	Nickel Plated Brass	Screw

Use with GC Electronics 18 AWG wire Part No. 14-418-1E1x or larger wire

BNC Female to Dual Banana Plug

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type
33-1191	33-1191-BU		8	BNC Female to Dual Banana Plug, Stackable	N/A	Nickel Plated Brass	N/A

Nylon Tip Jack (Wrap Around Type)

Retail Part No.	Bulk Part No.	N.S.N. Part Number	Fig. No.	Description	Current Rating	Body	Connection Type
	33-240-BU		9	Black Nylon per MIL-P-20693A	5 Amps	Silver Plated Copper	N/A
	33-242-BU		9	Red Nylon per MIL-P-20693A	5 Amps	Silver Plated Copper	N/A

Use with GC Electronics 24 AWG wire Part No. 14-424-1x1x or larger wire

"F" COAX ADAPTERS

Connecc



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21



Fig. 22

"F" Coax Adapters

Retail Part No.	Bulk Part Number	Figure Number	Description	Quantity/ Retail Pack
33-1566	33-1566-BU	1	"F" Female to RCA Female	1
32-3006	32-3006-BU	2	"F" Female to Female, with Nut and Washer	5
32-3706	32-3706-BU	2	"F" Female Inline Splice with Nut and Washer, Gold	5
32-3007	32-3007-BU	3	"F" Double Male Coupler, Knurled	2
32-3100	32-3100-BU	4	"F" Female to Push-On "F" Male	2
32-3700	32-3700-BU	4	"F" Female to Push-on "F" Male, Gold	1
	32-3101-BU	5	"F" Female UHF (PL-259) Male	
32-3102	32-3102-BU	6	"F" Female to RCA Male	1
32-3103	32-3103-BU	7	"F" Female to 3.5mm Male	1
32-3104	32-3104-BU	8	"F" Female to BNC Male	1
32-3105	32-3105-BU	9	Right Angle "F" Quick Male to Female	1
32-3108	32-3108-BU	10	"F" Male to RCA Female	1
32-3110	32-3110-BU	11	Right Angle Connector "F" Male to Female	1
32-3114	32-3114-BU	12	"F" Male to UHF Female	1
32-3120	32-3120-BU	13	"F" Male to BNC Female	1
32-3129	32-3129-BU	14	"F" Female to "G" Plug	1
32-3174	32-3174-BU	15	"F" Female to Pal Male	2
32-3180		16	"F" Voltage Blocking Coupler	1
	32-3184-BU	17	Right Angle "F" Female to "F" Female	
	32-3999-BU	18	"F" Female to Female	
	32-4000-BU	19	"F" Male to Pal Female	
	32-4001-BU	20	"F" Female to Pal Female	
	32-4003-BU	21	"F" Female to BNC Female	
32-436	32-436-BU	22	"F" Terminator 75 Ohm 1/2 Watt @5%	5

"F" COAX CONNECTORS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

"F" Male 1-Piece Compression 2-GHz Rated

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
	32-441-BU	32-441-100	1	Professional Quality Connector for RSC, 1-Piece, Red Banded	394	RG-59	
	32-443-BU	32-443-100	1	Professional Quality Connector for RSC, 1-Piece, Yellow Banded	394	RG-6	
	32-444-BU	32-444-100	1	Professional Quality Connector for RSC, 1-Piece, Blue Banded	394	RG-6, Quad Shield	
		32-447-100	2	360° Taper Seal 2GHz, Watertight, Low RFI	394	RG-6	

"F" Male 1-Piece 1/2" Crimp

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
32-440	32-440-BU	32-440-100	3	Male Crimp with Attached 1/2" Crimp, 2 Pack	394	RG-59 & RG-62	2
32-439	32-439-BU		3	Male Crimp with Attached 1/2" Crimp, 2 Pack	394	RG-6	2
	32-2990-BU		3	Male Crimp with Attached 1/2" Crimp	394	RG-6 Quad Shield	

"F" Male 1-Piece 1/2" Crimp-Brass

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
32-433			3	Male Crimp with Attached 1/2" Crimp-Brass, 2 Pack	394	RG-59 & RG-62	2
32-432	32-432-BU		3	Male Crimp with Attached 1/2" Crimp-Brass, 2 Pack	394	RG-6	2

Quad "F" Male 1-Piece 1/2" Crimp

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
	32-2991-BU		3	Male Crimp with Attached 1/2" Crimp-Quad Shield		RG-59 & RG-62	

Tri-shield "F" Male 1-Piece Crimp-Brass

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
	32-416-BU		3	Male Crimp with Attached 1/2" Crimp-Brass Tri-Shield		RG-6	
	32-425-BU		3	Male Crimp with Attached 1/2" Crimp-Brass Tri-Shield		RG-59	

"F" Male 2-Piece Crimp-1/8" Ring

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
	32-427-BU		4	"F" Male Crimp-on with Separate 1/8" Crimp Ring	394	RG-59 & RG-62	

"F" Male 2-Piece Crimp-1/4" Ring

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
32-430	32-430-BU		4	"F" Male Crimp-on with Separate 1/4" Crimp Ring	394	RG-59 & RG-62	2
32-429	32-429-BU		4	"F" Male Crimp-on with Separate 1/4" Crimp Ring	394	RG-6	2
32-429-3	32-429-3BU		4	"F" Male Crimp-on with Separate 1/4" Crimp Ring-Gold	394	RG-6	2

"F" Male 2-Piece Crimp-1/2" Ring

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
	32-428-BU		5	"F" Male Crimp-on with Separate 1/2" Crimp Ring	394	RG-59 & RG-62	

"F" Female Mounts

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type	Qty. retail Package
	32-466-BU		6	"F" Chassis Mount with Nut and Washer			
32-465	32-465-BU		7	PC Board Mount, 2-Pack			2
	32-467-BU		8	Right Angle PCB Mount, 28mm			

"F" COAX CONNECTORS (Cont.)



"F" Male 1-Piece 1/8" Crimp-Attached

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
32-3000	32-3000-BU		1	Male Crimp-on with Attached 1/8" Crimp, 2 Pack	394	RG-59 & RG-62

"F" Male 1-Piece 1/8" Crimp-Gold Attached

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
32-3701	32-3701-BU		1	Male Crimp with Attached 1/8" Crimp-Gold	394	RG-59 & RG-62

"F" Male 1-Piece 1/4" Crimp-Attached

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
	32-412-BU		1	Male Crimp-on with Attached 1/4" Crimp-Ring	394	RG-6

"F" Male Twist-on Crimpless

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
	SD-447-BU		2	"F" Male Twist-on Connector, Crimpless	394	RG-6 Quad Shield
32-3002	32-3002-BU		3	"F" Male Twist-on Connector, Crimpless, 5 Pack	394	RG-59 & RG-62
32-3003	32-3003-BU		3	"F" Male Twist-on Connector, Crimpless, 5 Pack	394	RG-6

"F" Male Twist-on Crimpless-Gold

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
32-3702	32-3702-BU		3	"F" Male Twist-on Connector, Crimpless-Gold, 5 Pack	394	RG-59 & RG-62

"F" Male Twist-on with Quick-lock

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
	SD-448-BU		4	"F" Male Twist-on Quick-lock Connector	394	RG-6

"F" Male Twist-on Push-on

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
32-3202	32-3202-BU		5	"F" Male Twist-on Push-on Connector, 5 Pack	394	RG-59 & RG-62

"F" Male Gel-filled 1/8" Blue Connector with Sealer Ring

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
	SD-443-BU		6	"F" Male Gel-filled 1/8" Blue Connector with 1/4" Sealer Ring	394	RG-6
	SD-444-BU		7	"F" Male Gel-filled Connector with "O" Ring, Weatherproof Brass	394	RG-6

"F" Male Gel-filled Crimp with Permanent Crimp "O" Ring,-Nickel

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
32-445			8	"F" Male Crimp with Permanent Crimp "O" Ring,-Nickel, 2 Pack	394	RG-6
SD-445	SD-445-BU		8	"F" Male Crimp with Permanent Crimp "O" Ring,-Nickel, 2 Pack	394	RG-6

"F" Male 2-Piece Permanent Compression

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use GC cables on page	Cable Type
	SD-446-BU		9	"F" Male 2-Piece Permanent Compression, Commercial, Weatherproof	394	RG-6

"F" Male Compression Locking Nut Only

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Figure No.	Description	Use With	
	SD-446-1BU		10	"F" Male Compression Locking Nut Only, Weatherproof	Any female "F" type connector	



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

Standard Phone Plug One End

Retail Part No.	Bulk Part No.	Figure Number	Description
30-1574		1	Miniature(3.5mm) Stereo Phone Jack to Standard(1/4") Stereo Phone Plug
30-1575		2	Gold Plated Miniature(3.5mm) Stereo Jack to Standard(1/4") Stereo Phone Plug
30-472		3	Standard(1/4") Mono Phone Plug to RCA Phono Jack
30-472-1		4	Standard(1/4") Phone Plug to Miniature(3.5mm) Phone Jack

RCA Phono Plug One End

Retail Part No.	Bulk Part No.	Figure Number	Description
30-473		5	RCA Phono Plug to Standard(1/4") Phone Jack
30-473-1		6	RCA Phono Plug to Miniature(3.5mm) Phone Jack
30-474		7	RCA Plug to RCA Jack Right Angle Adapter-Gold

Miniature Plug One End

Retail Part No.	Bulk Part No.	Figure Number	Description
30-1554		8	Miniature(3.5mm) Phone Plug to Standard(1/4") Stereo Phone Jack
30-1576		9	Standard(1/4") Stereo Phone Jack to Miniature(3.5mm) Stereo Plug
30-1587		10	Miniature(3.5mm) Stereo Jack to Miniature(3.5mm) Mono Plug
30-495	30-495-BU	11	Miniature(3.5mm) Phone Plug to RCA Phono Jack
30-496		12	Miniature(3.5mm) Phone Plug to Standard(1/4") Phone Jack

Subminiature Phone Plug One End

Retail Part No.	Bulk Part No.	Figure Number	Description
30-478		13	Subminiature(2.5mm) Phone Plug to Miniature(3.5mm) Phone Jack

PowerFlex™ Audio Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
30-1212		14	Gold RCA Jack to RCA Jack (2 Pack; 1-Red, 1-Black)
30-1213		15	Gold RCA Plug to RCA Plug (2 Pack; 1-Red, 1-Black)
30-1215		16	Gold RCA Plug to Dual Right Angle RCA Jack (2 Pack; 1-Red, 1-Black)

AUDIO CONNECTORS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

PowerFlex™ Audio Connectors

Retail Part No.	Bulk Part No.	Figure Number	Description	Use with GC Wire Part No.	Quantity per Retail Pack
30-1200		1	Gold Compression (Solderless) Spade Lugs	14-210-9H_3, 30-581*	2; 1-Red, 1-Black
30-1204		2	Gold Crimp or Solder Flexible Pin Lugs	14-210-9H_3, 30-581*	4; 2-Red, 2-Black
30-1205		3	Gold Compression (Solderless) Pin Plugs	14-210-9H_3, 30-581*	2
30-1208		4	Gold Crimp or Solder Banana Plugs	14-210-9H_3, 30-581*	2; 1-Red, 1-Black
30-1210		5	Gold Compression (Solderless) Banana Plugs	14-210-9H_3, 30-581*	2

*Can also be used with any other hook-up wire on pages 422 - 423.



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

RCA Phono Plugs

Retail Part No.	Bulk Part No.	Bulk 100 Part No.	Figure No.	Description	Use with GC Wire Part No.	Quantity Per Retail Pack
	33-131-BU		6	Black Plastic, Combination Clamp & Solder Terminals	14-1918-1H89	
	33-132-BU		6	Red Plastic, Combination Clamp & Solder Terminals	14-1918-1H89	
	33-133-BU		6	Metal, Combination Clamp & Solder Terminals	14-1918-1H89	
30-533			7	Right Angle, Solderless Terminals,	14-1924-9H81	2; 1-Red, 1-Black
30-534	30-534-BU		8	Heavy Duty, Solder Terminals	14-1918-1H89	2
30-534-3			8	Heavy Duty, Solder Terminals-Gold	14-1918-1H89	2
30-1230			9	Platinum, Gold Phono Plugs, Solder Connection	14-1918-1H89	2
30-1231			10	Black, Gold Phono Plugs, Solder Connection	14-1918-1H89	2
30-1232			11	Red, Gold Phono Plugs, Solder Connection	14-1918-1H89	2
	32-451-BU	32-451-100	12	Compression Connector, 1-Piece-Red Banded for RG-59	14-1924-9H81	
32-453	32-453-BU	32-453-100	12	Compression Connector, 1-Piece-Yellow Banded for RG-6	14-1918-1H89	1
	32-454-BU	32-454-100	12	Compression Connector, 1-Piece-Blue Banded for RG-6 Quad.	14-1918-1H81	



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18

RCA Phono Jacks

Retail Part No.	Bulk Part No.	N.S.N. Number	Figure No.	Description	Use with GC Wire Part No.	Quantity Per Retail Pack
30-528			13	Chassis Mounting, Open Circuit, Solder Lugs	14-1918 or 14-1924	2
30-528-3			14	Chassis Mounting, Gold	14-1918 or 14-1924	1
	33-134-BU	5935-00-023-5360	15	Cord Mounting Metal, Combination Clamp/Style	14-1918 or 14-1924	
	33-135-BU		16	Single Hole Panel Phono Jack, 9/32" Hole	14-1918 or 14-1924	
30-536			17	Cord Mounting, Open Circuit, Solder Terminals	14-1918 or 14-1924	2
30-537			18	Dual Chassis Mounting, Open Circuit, Solder Type	14-1918 or 14-1924	1



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Coupler

Retail Part No.	Bulk Part No.	Figure Number	Description
30-1571		1	Miniature(3.5mm) Stereo Jack to Miniature(3.5mm) Stereo Jack

Audio Coupler

Retail Part No.	Bulk Part No.	Figure Number	Description
30-469		2	RCA Phono Plug to Plug-Gold
30-470	30-470-BU	3	RCA Phono Jack to Phono Jack
30-470-3		3	RCA Phono Jack to Phono Jack-Gold

Dual Coupler

Retail Part No.	Bulk Part No.	Figure Number	Description
30-477		4	Dual RCA Jack to Jack Audio Cable Extender-Gold
30-479	30-479-BU	5	Triple RCA Jack to Jack Coupler - Gold
30-1570		6	Standard(1/4") Mono Phone Jack to Standard(1/4") Mono Phone Jack

AUDIO "Y" ADAPTERS



Fig. 7



Fig. 8



Fig. 9

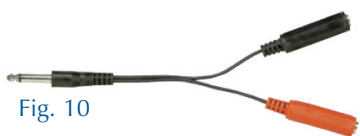


Fig. 10



Fig. 11

RCA Phono Plug & Jack Combinations

Retail Part No.	Bulk Part No.	Figure Number	Description
30-510	30-510-BU	7	Phono Plug to 2 Phono Jacks
30-510-3		7	Phono Plug to 2 Phono Jacks-Gold
30-512	30-512-BU	8	Phono Jack to 2 Phono Plugs
30-512-3		8	Phono Jack to 2 Phono Plugs-Gold
30-514		9	Phono Plug to 2 Phono Plugs

Standard 1/4" Phone Plug & Jack Combinations

Retail Part No.	Bulk Part No.	Figure Number	Description
30-522		10	Standard(1/4") Mono Phone Plug to 2 Standard(1/4") Mono Phone Jacks
30-524		11	Standard(1/4") Stereo Phone Plug to 2 Standard(1/4") Mono Phone Jacks
30-1560		11	Standard(1/4") Stereo Phone Plug to 2 Standard(1/4") Stereo Phone Jacks

AUDIO "Y" ADAPTERS (Cont.)



Fig. 1

Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Miniature Plug & Jack Combinations

Retail Part No.	Bulk Part No.	Figure Number	Description
30-1558		1	Miniature(3.5mm) Mono Phone Plug to 2 Miniature(3.5mm) Phone Jacks
30-1559		2	Miniature(3.5mm) Stereo Phone Plug to 2 Miniature(3.5mm) Stereo Phone Jacks
30-1565		3	Miniature(3.5mm) Stereo Phone Plug to 2 RCA Jacks (Basic)

"Y" Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
30-500		4	Standard(1/4") Mono Phone Plug to 2 Phono Jacks
30-504		5	RCA Phono Plug to 2 Phono Jacks

Auto Antenna "Y" Connector

Retail Part No.	Bulk Part No.	Figure Number	Description
30-3081		6	Allows Hook-up of an Add. AM, FM, AM/FM, CB Radio to Car Radio Antenna

S-VHS "Y" Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
65-4401		7	1 S-VHS Plug to 2 S-VHS Jacks
65-4402		8	2 S-VHS Plugs to 1 S-VHS Jack



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15

Subminiature(2.5mm) Phone Plugs

Retail Part No.	Bulk Part No.	Figure Number	Description	Quantity Per Retail Pack
	33-091-BU	9	Subminiature Mono Phone Plug, Solder Lug	
30-519		10	Subminiature Stereo Phone Plug	2

Miniature(3.5mm) Mono Phone Plugs

Retail Part No.	Bulk Part No.	N.S.N. Number	Figure No.	Description	Quantity Per Retail Pack
	33-092-BU		11	Miniature(3.5mm) Mono Phone Plug-Brass, Clamp-Solder Terminals	
30-498-6			11	Miniature(3.5mm) Phone Plug-Shielded Metal Handle, Solder Terminals	1
30-498-2			12	Miniature(3.5mm) Phone Plug-Black Plastic Handle, Solder Terminals	1
30-498-3			13	Miniature(3.5mm) Phone Plug-Gold, Solder Terminals	1
	33-093-BU		13	Miniature(3.5mm) Mono Phone Plug-Black, Clamp-Solder Terminals	

Miniature(3.5mm) Stereo Phone Plugs

Retail Part No.	Bulk Part No.	Figure Number	Description	Quantity Per Retail Pack
30-572	30-572-BU	14	Miniature(3.5mm) Stereo-Black Plastic Handle	1
30-572-3		15	Miniature(3.5mm) Stereo-Black Plastic Handle, Gold	1

PHONE PLUGS (Cont.)



Fig. 1

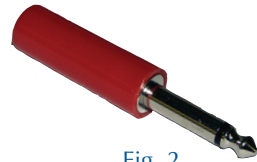


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

Standard (1/4") Mono Phone Plugs

Retail Part No.	Bulk Part No.	Figure Number	Description	Use with GC Wire Part No.	Quantity Per Retail Pack
30-483		1	Black Plastic Handle, Solder Terminals	14-1918 or 14-1924	1
	33-087-BU	1	Phone Plug-Molded Black Plastic, Solder Terminals	14-1918 or 14-1924	
30-483-1		2	Red Plastic Handle, Solder Terminals	14-1918 or 14-1924	1
30-484-1		2	Red Plastic Handle, Screw Terminals	14-1918 or 14-1924	1
30-483-6		3	Shielded Metal Handle, Solder Terminals	14-1918 or 14-1924	1
30-484-6		3	Shielded Metal Handle, Screw Terminals	14-1918 or 14-1924	1
30-487		4	Shielded (1/4") Metal Handle, Right Angle Type, Screw Terminals	14-1918 or 14-1924	1
	33-086-BU	5	Phone Plug-Nickel, Screw Terminals	14-1918 or 14-1924	
	33-088-BU	5	Phone Plug-Nickel Plated Brass, Solder Terminals	14-1918 or 14-1924	

Standard (1/4") Stereo Phone Plugs

Retail Part No.	Bulk Part No.	Figure Number	Description	Use with GC Wire Part No.	Quantity Per Retail Pack
	33-089-BU	6	Black, Combination Clamp/Solder Lug	14-1918 or 14-1924	
30-488		6	Black Plastic Handle, Solder Terminals	14-1918 or 14-1924	1
30-489		6	Black Plastic Handle, Screw Terminals	14-1918 or 14-1924	1
	33-090-BU	7	Nickel, Combination Clamp/Solder Lug	14-1918 or 14-1924	
30-489-6		8	Shielded Metal Handle, Solder Terminals	14-1918 or 14-1924	1
30-490		9	Shielded Metal Handle, Screw Terminals	14-1918 or 14-1924	1



Fig. 12



Fig. 13

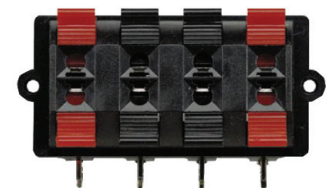


Fig. 14

2 Position Pushbutton Terminal Board

Retail Part No.	Bulk Part No.	Figure Number	Description	Use with GC Wire Part No.
33-1402		12	Red/Black Posts Mounts in 2" Holes, 1-1/4"D, 1-3/4" Mounting Centers	14-218-2E_3

4 Position Pushbutton Terminal Board

Retail Part No.	Bulk Part No.	Figure Number	Description	Use with GC Wire Part No.
33-1404		13	2 Red/2 Black Posts, 3"L x 1"H, 2-1/2" Mounting Centers	14-218-2E_3

8 Position Pushbutton Terminal Board

Retail Part No.	Bulk Part No.	Figure Number	Description	Use with GC Wire Part No.
33-1408		14	4 Red/4 Black Posts, 2-1/2" x 5/8" x 1-3/16", 2-1/4" Mounting Centers	14-218-2E_3

PHONE PLUGS, JACKS & TERMINALS



Power Supply

Retail Part No.	Bulk Part No.	Figure Number	Description
30-476		1	Long Length, Approx. 9/16" (14mm) (2.1mm-2.5mm) Package of 2. OD = 5.5mm
30-475		1	Standard Length, Approx. 3/8" (10mm) (2.1mm-2.5mm) Package of 2. OD = 5.5mm
30-480		2	1.3mm DC Power Plug fits Walkman-type Cassettes. OD = 3.5mm

Microphone Connectors

Retail Part No.	Bulk Part No.	Figure Number	Description
30-1690		3	Cannon Style, 3 Pin Female
30-1692		4	Cannon Style, 3 Pin Male
30-1694		5	Chassis/Cabinet Style, 3 Pin Female

Mono Phone Jacks

Retail Part No.	Bulk Part No.	Figure Number	Description
	33-103-BU	6	Subminiature (2.5mm) Mono Phone Jack, Closed Circuit, Nickel Plated Brass, 1/4" Mount Holes
	33-101-BU	7	Miniature (3.5mm) Mono Phone Jack, Closed Circuit, 1/4" Mount Holes
	33-102-BU	8	Miniature (3.5mm) Mono Phone Jack, Closed Circuit, 1/4" Mount Holes

Miniature (3.5mm) Phone Jacks

Retail Part No.	Bulk Part No.	Figure Number	Description
30-546		9	Chassis Mounting, Closed Circuit, Solder Lugs, 1/4" Mount Holes
30-543-1		10	Cord Mounting, Open Circuit, Solder Terminals, Black Plastic Handles
30-575		11	Cord Mounting, Open Circuit, Solder Connections, for Stereo Plugs

Miniature (3.5mm) Panel Mount Jack

Retail Part No.	Bulk Part No.	Figure Number	Description
	33-104-BU	12	Miniature (3.5mm) Panel Mount Jack, Closed Circuit, 2 Cond., 5/16" Mount Hole

Stereo Phone Jack

Retail Part No.	Bulk Part No.	Figure Number	Description
30-574		13	Miniature (3.5mm) Stereo Phone Jack
	33-724-BU	13	Miniature (3.5mm) Stereo Phone Jack

Panel Mounting Jacks

Retail Part No.	Bulk Part No.	N.S.N. Number	Figure No.	Description
	33-097-BU		14	(1/4") Panel Mounting Mono Phone Jack, Closed Circuit, 3/8" Mounting Hole
	33-096-BU	5935-01-028-1721	15	(1/4") Panel Mounting Mono Phone Jack, Open Circuit

Standard (1/4") Mono Phone Jacks

Retail Part No.	Bulk Part No.	Figure Number	Description
30-540		16	Chassis Mounting, Open Circuit, Solder Lugs
30-540-1		16	Chassis Mounting, Closed Circuit, Solder Lugs
30-548		17	Cord Mounting, Open Circuit, Solder Lugs

PHONE PLUGS, JACKS & TERMINALS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Standard (1/4") Panel Mounting Stereo Phone Jacks

Retail Part No.	Bulk Part No.	Figure No.	Description
	33-098-BU	1	Standard Panel Mounting Stereo Phone Jack, Open Circuit
	33-099-BU	2	Standard Panel Mounting Stereo Phone Jack, Single Closed Circuit

Standard (1/4") Stereo Phone Jacks

Retail Part No.	Bulk Part No.	Figure No.	Description
30-541		3	Chassis Mounting, Open Circuit, Solder Lugs
30-542		4	Cord Mounting, Open Circuit, Solder Terminals

2/4 Position Bi-Pole/Di-Pole 5-Way Binding Post Terminal Board

Retail Part No.	Bulk Part No.	Figure No.	Description
33-1410		5	Red/Black banded Gold 5-way binding posts with removable jumpers. Mounts in 3" x 3 3/4" holes

CONNECTORS



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

BNC Connectors

Retail Part No.	Bulk Part No.	Bulk 100 Part No.	Figure No.	Description	Cable Type	Use with GC Wire Part No.	Quantity Per Retail Pack
	32-461-BU	32-461-100	6	Male Compression, 1-Piece, Solderless-Red Banded	RG-59	14-1924-9H81	
	32-463-BU	32-463-100	6	Male Compression, 1-Piece, Solderless-Yellow Banded	RG-6	14-1918-1H89	
	32-464-BU	32-464-100	6	Male Compression, 1-Piece, Solderless-Blue Banded	RG-6 Quad.	14-1918-1H81	
33-1100	33-1100-BU		7	Male Twist-on, 1-Piece, Crimpless, Solderless	RG-59/RG-62	14-1924-9H81	5
33-1148	33-1148-BU		7	Male Twist-on, 1-Piece, Crimpless, Solderless	RG-6	14-1918-1H89	5
33-1149	33-1149-BU		7	Male Twist-on, 1-Piece, Crimpless, Solderless	RG-58		5
33-1150	33-1150-BU		7	Male Twist-on, 1-Piece, Teflon	RG-59/RG-62	14-1924-9H81	2
	33-1130-BU		8	Female Twist-on, 1-Piece, Crimpless, Solderless	RG-58		1
	33-1101-BU		8	Female Twist-on, 1-Piece, Crimpless, Solderless	RG-59/RG-62	14-1924-9H81	1
	33-1131-BU		8	Female Twist-on, 1-Piece, Crimpless, Solderless	RG-6	14-1918-1H89	1
33-1104	33-1104-BU		9	Male Crimp, 2-Piece Set, Solderless	RG-58		5
33-1103	33-1103-BU		9	Male Crimp, 2-Piece Set, Solderless	RG-59/RG-62	14-1924-9H81	5
	33-1169-BU		9	Male Crimp, 2-Piece Set, Solderless	RG-6	14-1918-1H89	1
	33-1167-BU		9	Male Crimp, 2-Piece Set, Solderless	RG-58		1
	33-1153-BU		9	Male Crimp, 2-Piece Set, Solderless, Teflon	RG-59/RG-62	14-1924-9H81	1
	33-1121-BU		10	Female Crimp, 3-Piece Set, Solderless	RG-58		1
	33-1120-BU		10	Female Crimp, 3-Piece Set, Solderless	RG-59/RG-62	14-1924-9H81	1
	33-1122-BU		10	Female Crimp, 3-Piece Set, Solderless	RG-6	14-1918-1H89	1
	33-1158-BU		11	Male Crimp, 2-Piece Set, Solderless	RG-58		1
	33-1159-BU		12	Male Crimp, 2-Piece Set, Solderless	RG-58		1
	33-1165-BU		13	Male Crimp, 3-Piece Set, Solderless	RG-174-RG-179/RG-187		1
33-1161	33-1161-BU		13	Male Crimp, 3-Piece Set, Solderless	RG-58		5
33-1160	33-1160-BU		13	Male Crimp, 3-Piece Set, Solderless	RG-59/RG-62	14-1924-9H81	5
33-1162	33-1162-BU		13	Male Crimp, 3-Piece Set, Solderless	RG-6	14-1918-1H89	5
	33-1168-BU		13	Male Crimp, 3-Piece Set, Solderless	RG-58		1
33-1163	33-1163-BU		13	Male Crimp, 3-Piece Set, Solderless, Teflon	RG-59/RG-62	14-1924-9H81	2
	33-1180-BU		14	Male Compression, 4-Piece Set Solder Center Pin	RG-58		1
	33-1181-BU		14	Male Compression, 4-Piece Set Solder Center Pin	RG-59/RG-62	14-1924-9H81	1
	32-3005-BU		15	Male Clamp-on	RG-59/RG-62	14-1924-9H81	1
33-1155	33-1155-BU		16	Male Compression, 6-Piece Set Solder Center Pin	RG-58		2
33-1173	33-1173-BU		16	Male Compression, 6-Piece Set Solder Center Pin	RG-59/RG-62	14-1924-9H81	2

For the latest information—www.gcelectronics.com

All quantities are single; BU's are packages of 10 Unless otherwise noted.

CONNECTORS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

BNC Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description	Quantity Per Retail Pack
33-1102	33-1102-BU	1	Right Angle BNC Male to BNC Female	1
33-1195	33-1195-BU	2	BNC Double Male	2
33-1196	33-1196-BU	3	BNC "T", 1 Male, 2 Female	1
33-1197	33-1197-BU	4	BNC "T", 3 Female	1
	33-1199-BU	5	BNC, 4 Female	
33-1555	33-1555-BU	6	BNC Female to "N" Male	1
32-3109	32-3109-BU	7	BNC Male to RCA Female	1
32-3115	32-3115-BU	8	BNC Male to UHF Female	1
32-3116	32-3116-BU	9	BNC Male to "N" Male	
32-3117	32-3117-BU	10	BNC Male to "N" Female	1
	32-3118-BU	11	BNC Female to UHF Male	
32-3119	32-3119-BU	12	BNC Double Female	2
32-3121	32-3121-BU	13	BNC Female to RCA Male	1
	32-3122-BU	14	BNC Female to UHF Female	
32-3123	32-3123-BU	15	BNC 3 Male	1
32-3190	32-3190-BU	16	BNC Male to TNC Female	1



Fig. 17



Fig. 18



Fig. 19

BNC Chassis Mount

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Type
	33-1106-BU	17	BNC Female to Female Chassis Mount, 1/2" Mount Hole	
	33-1231-BU	18	BNC Female Chassis Mount, 3/8" Mount Hole	
	33-1232-BU	19	BNC Female Chassis Mount, Insulated, 3/8" Mount Hole	



Fig. 20

BNC Terminators

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Type
	33-1175-BU	20	BNC 75 Ohm	
	33-1176-BU	20	BNC 50 Ohm	
	33-1177-BU	20	BNC 93 Ohm	



Fig. 21



Fig. 22



Fig. 23

"N" Connectors

Retail Part No.	Bulk Part No.	Figure Number	Description	Use with GC Wire Part No.	Cable Type
	32-3112-BU	21	Male Crimp, 3-Piece Set	14-1924-9H81	RG-59/RG-62
	32-3128-BU	21	Male Crimp, 3-Piece Set (Replaces 32-3111-BU)		RG-58
	33-1510-BU	21	Male 3-Piece Crimp		RG-8/RG-231/RG-214
	33-1500-BU	22	Male Compression, 6-Piece		RG-59/RG-62
	32-3124-BU	23	Male Clamp Type		RG-58
	32-3125-BU	23	Male Clamp Type	14-1924-9H81	RG-8/RG-11/RG-213/RG-214



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20



Fig. 21

"N" Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
33-1515	33-1515-BU	1	"N" Double Male
33-1520	33-1520-BU	2	"N" Double Female
33-1534	33-1534-BU	3	Right Angle "N" Male to Male
33-1535	33-1535-BU	4	Right Angle "N" Male to Female
33-1536	33-1536-BU	5	"N" Tee - Male to 2 Female
	33-1545-BU	6	"N" Female to UHF
	33-1564-BU	7	"N" Female to "F" Female
33-1565	33-1565-BU	8	"N" Male to "F" Female

"N" Chassis Mount

Retail Part No.	Bulk Part No.	Figure Number	Description
	33-1525-BU	9	"N" Female Chassis Mount

"N" Terminators

Retail Part No.	Bulk Part No.	Figure Number	Description
33-1537	33-1537-BU	10	"N" Male Terminator, 50 Ohm
33-1538	33-1538-BU	11	"N" Female Terminator, 50 Ohm

SMA Connector

Retail Part No.	Bulk Part No.	Figure Number	Description
	33-1311-BU	12	SMA Male Crimp Type

SMA Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
33-1312	33-1312-BU	13	SMA Double Female
	33-1313-BU	14	SMA Male to BNC Female
33-1314	33-1314-BU	15	SMA Male to UHF Male
	33-1315-BU	16	SMA Female to BNC Female
33-1316	33-1316-BU	17	SMA Female to Mini UHF Male
33-1317	33-1317-BU	18	SMA Female to Mini UHF Female
	33-1318-BU	19	SMA Female to "N" Male
33-1319	33-1319-BU	20	SMA Female to TNC Female
33-1320	33-1320-BU	21	SMA Female to UHF Male

CONNECTORS (Cont.)



S-VHS In-Line Coupler

Retail Part No.	Bulk Part No.	Figure Number	Description
32-3170	32-3170-BU	1	4-Pin Jack to Jack

Antenna Plug

Retail Part No.	Bulk Part No.	Figure Number	Description
	26-804-BU	2	Antenna Plug, Motorola Plug

RCA Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
	32-3113-BU	3	RCA Male to UHF Female

TNC Connectors

Retail Part No.	Bulk Part No.	Quantity Per Retail Package	Figure No.	Description	Cable Type	Use with GC Wire Part No.
33-1265	33-1265-BU	5	4	Male Crimp TNC, 5-Piece Set	RG-174	
33-1261	33-1261-BU	5	4A	Male Crimp TNC, 3-Piece Set	RG-58	
33-1260	33-1260-BU	5	4A	Male Crimp TNC, 3-Piece Set	RG-59/RG-62	
33-1249	33-1249-BU	5	5	Male Twist-on TNC	RG-58	
33-1200	33-1200-BU	5	5	Male Twist-on TNC	RG-59/RG-62	14-1924-9H81
	33-1250-BU		5	Male Twist-on TNC		
	33-1248-BU		6	Female Twist-on TNC	RG-58	
33-1201	33-1201-BU	5	6	Female Twist-on TNC	RG-58/RG-59	14-1924-9H81
	33-1210-BU		7	Male TNC Crimp Push-on, 3-Piece Set	RG-58	

TNC Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Type
33-1207	33-1207-BU	8	TNC Double Female	
	33-1208-BU	9	TNC Male to BNC Female	
33-1209	33-1209-BU	10	TNC Male to UHF Female	

TNC Terminators

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Type
	33-1212-BU	11	TNC Male Terminator, 50 Ohm	
	33-1213-BU	12	TNC Male Terminator, 75 Ohm	



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Twin-Axial Connectors

Retail Part No.	Bulk Part No.	Figure Number	Description
	33-1300-BU	1	Twin-Axial Male Compression-Gold Pins
	33-1302-BU	1	Twin-Axial Male Compression

Twin-Axial Adapters

Retail Part No.	Bulk Part No.	Figure Number	Description
33-1304	33-1304-BU	2	Twin-Axial Double Female
33-1305	33-1305-BU	3	Twin-Axial Three Female T Adapter
33-1306	33-1306-BU	4	Right Angle Twin-Axial Male to Female

Twin-Axial Terminators

Retail Part No.	Bulk Part No.	Figure Number	Description
	33-1309-BU	5	Twin-Axial Male Terminator, 50 Ohm
	33-1310-BU	5	Twin-Axial Male Terminator, 75 Ohm

UHF Connectors

Retail Part No.	Bulk Part No.	Quantity Per Retail Package	Figure No.	Description	Cable Type	Use with GC Wire Part No.
33-850	33-850-BU	5	6	Mini Male Twist-on, 1-Piece	RG-58	
	33-860-BU		7	Mini UHF Male Crimp-on, 3-Piece Set	RG-58	
33-540	33-540-BU	2	8	Male Crimp-on, 3-Piece Set	RG-58	
33-541	33-541-BU	2	8	Male Crimp-on, 3-Piece Set	RG-59/RG-62	14-1924-9H81
	33-550-BU		9	Male Twist-on, Teflon Insulator, Solder Center Pin	RG-8/RG-11/RG-213/RG-214	
	33-505-BU		10	Reducer, 1-Piece, Use with Part No. 33-550	RG-58	
	33-507-BU		10	Reducer, 1-Piece, Use with Part No. 33-550	RG-59/RG-62	14-1924-9H81

UHF Chassis Mount

Retail Part No.	Bulk Part No.	Figure Number	Description	Cable Type
	33-502-BU	11	UHF Female to UHF Female, Panel Mount	

CONNECTORS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17

UHF Adapters

Retail Part No.	Quantity Per Retail Package	Bulk Part Number	Figure Number	Description
32-3107	1	32-3107-BU	1	UHF Male to RCA Female
		32-3126-BU	2	UHF Male to "N" Female
		32-3127-BU	3	UHF Male to TNC Female
33-500	1	33-500-BU	4	UHF Male to Double UHF Female T Adapter
33-501	1	33-501-BU	5	UHF Three Female T Adapter
33-509	1	33-509-BU	6	UHF Double Female
33-510	1	33-510-BU	7	UHF Double Male
		33-840-BU	8	Mini UHF Male to UHF Female
		33-841-BU	9	Mini UHF Female to BNC Male
		33-842-BU	10	Mini UHF Female to TNC Male
		33-843-BU	11	Mini UHF Female to UHF Male
33-844	1	33-844-BU	12	Right Angle Mini UHF Male to Mini UHF Female
33-846	1	33-846-BU	13	Mini UHF Male to Double Mini UHF Female T Adapter
33-847	1	33-847-BU	14	Mini UHF Three Female T Adapter
33-861	2	33-861-BU	15	Mini UHF Double Female
		33-862-BU	16	Mini UHF Male to BNC Female
		33-863-BU	17	Mini UHF Male to TNC Female



Fig. 18



Fig. 19



Fig. 20



Fig. 21



Fig. 22

DIN Connectors

Description	Figure No.	3 Pins @ 180°	4 Pins @ 210°	5 Pins @ 180°	5 Pins @ 240°	5 Pins @ 360°	6 Pins @ 240°	7 Pins @ 270°	8 Pins @ 270°	8 Pins @ 290°
Inline Male	18	33-951-BU	33-952-BU	33-953-BU	33-954-BU	33-955-BU	33-956-BU	33-957-BU	33-958-BU	
Inline Female	19	33-961-BU		33-963-BU			33-966-BU	33-967-BU	33-968-BU	
Mini DIN, Male	20	33-933-BU	33-934-BU				33-936-BU			33-938-BU
Mini DIN, Female	21		33-944-BU							
Chassis Mount Receptacle	22	33-971-BU	33-972-BU	33-973-BU	33-974-BU	33-975-BU	33-976-BU	33-977-BU	33-978-BU	

D SUBMINIATURE CONNECTORS

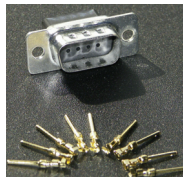
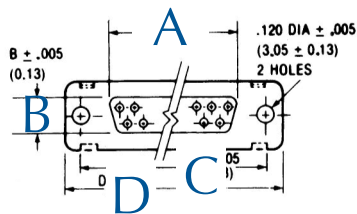


Fig. 1

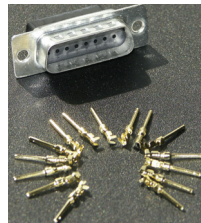


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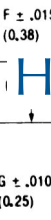


Fig. 3

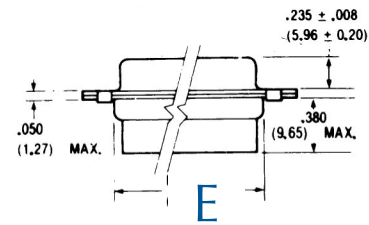


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Male D-Subminiature Connectors

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Fig. No.	Description	No. of Pins	Contact Position	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	E In. (mm)	F In. (mm)	G In. (mm)	H In. (mm)
	41-1040-BU		1	DB-9 Shell/Insert Kit	9	9	.666 (16.92)	.329 (8.36)	.984 (24.99)	1.218 (30.94)	.758 (19.25)	.500 (12.70)	.422 (10.72)	.422 (10.72)
	41-1041-BU		2	DB-15 Shell/Insert Kit	15	15	.994 (25.25)	.329 (8.36)	1.312 (33.32)	1.546 (39.27)	1.082 (27.48)	.500 (12.70)	.422 (10.72)	.422 (10.72)
	41-1042-BU		3	DB-25 Shell/Insert Kit	20	25	1.534 (38.96)	.329 (8.36)	1.852 (47.04)	2.088 (53.04)	1.624 (41.25)	.500 (12.70)	.422 (10.72)	.422 (10.72)
		41-1045-100	4	Package of 100 Pins	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: All of the above have a contact rating of 7.5 Amps (max) and are good for wire sizes #20 to #24 AWG

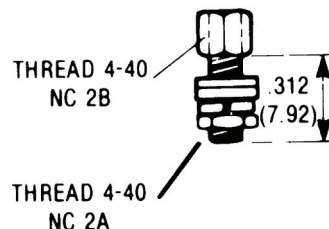
Female D-Subminiature Connectors

Bulk Part No.	Bulk Part No. 100 Package	Fig. No.	Description	No. of Pins	Contact Position	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	E In. (mm)	F In. (mm)	G In. (mm)	H In. (mm)
41-1050-BU		5	DB-9 Shell/Insert Kit	9	9	.643 (16.33)	.311 (7.90)	.984 (24.99)	1.218 (30.94)	.758 (19.25)	.500 (12.70)	.422 (10.72)	.429 (10.90)
41-1051-BU		6	DB-15 Shell/Insert Kit	15	15	.971 (24.66)	.311 (7.90)	1.312 (33.32)	1.546 (39.27)	1.082 (27.48)	.500 (12.70)	.422 (10.72)	.429 (10.90)
41-1052-BU		7	DB-25 Shell/Insert Kit	20	25	1.511 (38.96)	.311 (7.90)	1.852 (47.04)	2.088 (53.04)	1.624 (41.25)	.500 (12.70)	.422 (10.72)	.429 (10.90)
	41-1055-100	8	Package of 100 Sockets	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: All of the above have a contact rating of 7.5 Amps (max) and are good for wire sizes #20 to #24 AWG



Fig. 9



Screw Lock Assembly

Retail Part No.	Bulk Part No.	Bulk Part No. 100 Package	Fig. No.	Description	Material	Finish
		41-1033-100	9	Hex Nuts for Screw Lock Assembly, in accordance with MIL-STD-202A	Steel	Cadmium Plate, Yellow Chromate
41-1032-P			9	Female Screw Lock Assembly, in accordance with MIL-STD-202A	Steel	Cadmium Plate, Yellow Chromate

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All quantities are single; BU's are packages of 10 Unless otherwise noted.

D-SUBMINIATURE CONNECTORS (Cont.)

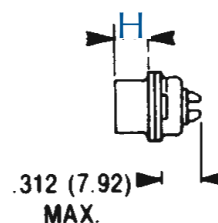
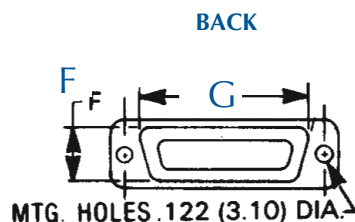
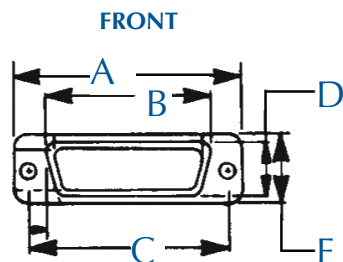


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

Solder Cup Type D-Subminiature Connectors

Retail Part No.	Bulk Part No.	Fig. No.	Descrip.	Contact Rating	Wire Size	Insulator Material	Shell/Finish Material	Contact Material	No. of Pins	Solder Cup Type	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	E In. (mm)	F In. (mm)	G In. (mm)	H In. (mm)
	41-1111-BU	1	Male Plug	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Brass	9	DB9	1.213 (30.8)	.697 (17.7)	.984 (25)	.359 (9.14)	.496 (12.6)	.422 (10.72)	.759 (19.3)	.370 (9.4)
	41-2111-BU	2	Female Socket	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Phosphor Bronze	9	DB9	1.213 (30.8)	.640 (16.22)	.984 (25)	.308 (7.82)	.496 (12.6)	.422 (10.72)	.759 (19.3)	.370 (9.4)
	41-1211-BU	3	Male Plug	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Brass	15	DB15	1.539 (39.1)	1.025 (26.04)	1.311 (33.3)	.359 (9.14)	.496 (12.6)	.422 (10.72)	1.083 (27.5)	.236 (6)
	41-2211-BU	4	Female Socket	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Phosphor Bronze	15	DB15	1.539 (39.1)	.969 (24.6)	1.311 (33.3)	.308 (7.82)	.496 (12.6)	.422 (10.72)	1.083 (27.5)	.244 (6.2)
	41-1311-BU	5	Male Plug	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Brass	25	DB25	2.087 (53)	1.583 (40.21)	1.850 (47)	.378 (9.6)	.496 (12.6)	.422 (10.72)	1.626 (41.3)	.236 (6)
	41-2311-BU	6	Female Socket	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Phosphor Bronze	25	DB25	2.087 (53)	1.508 (38.3)	1.850 (47)	.308 (7.82)	.496 (12.6)	.422 (10.72)	1.626 (41.3)	.244 (6.2)
	41-2411-BU	7	Female Socket	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Phosphor Bronze	37	DB37	2.728 (69.3)	2.156 (54.76)	2.500 (63.5)	.308 (7.82)	.496 (12.6)	.422 (10.72)	2.272 (57.7)	.244 (6.2)

Hi-density Type D-Subminiature Connectors

Retail Part No.	Bulk Part No.	Fig. No.	Descrip.	Contact Rating	Wire Size	Insulator Material	Shell/Finish Material	Contact Material	No. of Pins	Solder Cup Type	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	E In. (mm)	F In. (mm)	G In. (mm)	H In. (mm)
	41-2115-BU	8	Male Plug	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Brass	15	HD15	1.213 (30.8)	.697 (17.7)	.984 (25)	.359 (9.14)	.496 (12.6)	.422 (10.72)	1.083 (27.5)	.236 (6)
	41-2116-BU	9	Female Socket	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Phosphor Bronze	15	HD15	1.213 (30.8)	.640 (16.22)	.984 (25)	.308 (7.82)	.496 (12.6)	.422 (10.72)	.759 (19.3)	.244 (6.2)
	41-2124-BU	10	Male Plug	5 Amps	20 AWG	2-piece Nylon	Zinc plated Brass	Brass	26	HD26	1.539 (39.1)	1.025 (26.04)	1.311 (33.3)	.359 (9.14)	.496 (12.6)	.422 (10.72)	1.083 (27.5)	.236 (6)

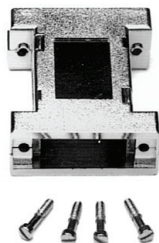


Fig. 1

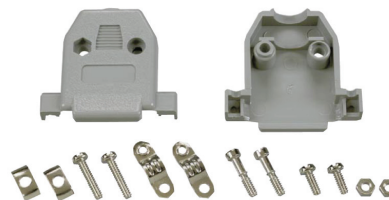


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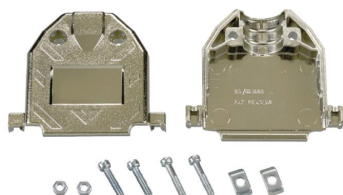


Fig. 3

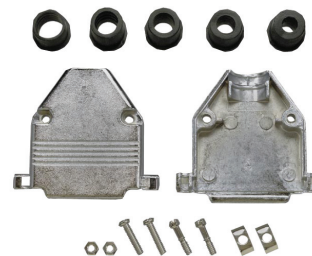


Fig. 4

DB Shielded "Double Shells" (Adapter Hood Kits)

Retail Part No.	Bulk Part No.	Figure Number	Description
	41-2909-BU	1	DB-9 to DB-9 Adapter Hood Kit, Molded Plastic with Chrome Plating
	41-2927-BU	1	DB-9 to DB-25 Adapter Hood Kit, Molded Plastic with Chrome Plating
	41-2925-BU	1	DB-25 to DB-25 Adapter Hood Kit, Molded Plastic with Chrome Plating

Subminiature "D" Hood Kits

Retail Part No.	Bulk Part No.	Figure Number	Description
	41-1000-BU	2	Plain Plastic Hood Kit, 9 Pin
	41-1001-BU	2	Plain Plastic Hood Kit, 15 Pin
	41-1002-BU	2	Plain Plastic Hood Kit, 25 Pin
	41-2720-BU	3	Metalized (Shielded) ABS Plastic Multifit™ Hood Kit, 9 Pin, Chrome Plated
	41-2724-BU	3	Metalized (Shielded) ABS Plastic Multifit™ Hood Kit, 25 Pin, Chrome Plated
	41-2726-BU	3	Metalized (Shielded) ABS Plastic Multifit™ Hood Kit, 37 Pin, Chrome Plated
	41-2730-BU	4	Die-cast Metal Hood Kit, 9 Pin, Zinc
	41-2732-BU	4	Die-cast Metal Hood Kit, 15 Pin, Zinc
	41-2734-BU	4	Die-cast Metal Hood Kit, 25 Pin, Zinc

- RF Connectors Program 49-3310
- 45 Connector Part Numbers
- 2 Foot Program
- "F", RCA, BNC Connectors

Program Contents

Retail Part No.	Quantity Per Program	Quantity Package	Description
SD-445	6	5	"F" Male Gel Filled with Perm. Sealer Ring for RG-6 Cable
30-495	6	1	RCA Female to 3.5mm Male
32-436	6	5	"F" Male Terminator (Dummy Load) for 75 Ohm
32-465	6	2	"F" Female PC Mount
32-3002	6	5	"F" Male Twist-on for RG-59 & RG-62 Cables
32-3003	6	5	"F" Male Twist-on for RG-6
32-3006	6	5	"F" Female Inline Splice with Washer & Nuts
32-3007	6	2	"F" Double Male Coupler, Knurled
32-3100	6	2	"F" Female to Push-on "F" Male
32-3102	6	1	RCA Male to "F" Female
32-3103	6	1	"F" Female to 3.5mm Male
32-3104	6	1	BNC Male to "F" Female
32-3105	6	1	Right Angle "F" Quick Male to Female
32-3108	6	1	"F" Male to RCA Female
32-3109	6	1	BNC Male to RCA Female
32-3110	6	1	Right Angle "F" Male to Female
32-3114	6	1	"F" Male to UHF Female
32-3115	6	1	BNC Male to UHF Female
32-3117	6	1	BNC Male to "N" Female
32-3119	6	2	Double BNC Female
32-3121	6	1	BNC Female to RCA Male
32-3123	6	1	BNC Three Male
32-3174	6	2	"F" Male to Pal Male
32-3190	6	1	BNC Male to TNC Female
32-3202	6	5	"F" Male Twist-on/Push-on for RG-59 & RG-62 Cables
32-3702	6	5	"F" Male Twist-on for RG-59 & RG-62 Cables (Gold)
32-3706	6	5	"F" Female Inline Splice with Washer & Nuts (Gold)
33-1100	6	5	BNC Male Twist-on for RG-59 & RG-62 Cables
33-1102	6	1	Right Angle BNC Male to BNC Female
33-1103	6	5	BNC Male Quick Crimp 2 Piece for RG-59 & RG-62 Cables
33-1104	6	5	BNC Male Quick Crimp 2 Piece for RG-58 Cable
33-1148	6	5	BNC Male Twist-on for RG-6 Cable
33-1149	6	5	BNC Male Twist-on for RG-58 Cable
33-1150	6	2	BNC Male Twist-on for RG-59 & RG-62 Cables, Teflon
33-1155	6	2	BNC Male Clamp for RG-58 Cable
33-1160	6	5	BNC Male Crimp for 3 Piece RG-59 & RG-62 Cables
33-1161	6	5	BNC Male Crimp 3 Piece for RG-58 Cable
33-1162	6	5	BNC Male Crimp 3 Piece for RG-6 Cable
33-1163	6	2	BNC Male Crimp 3 Piece for RG-59 & RG-62 Cables, Teflon
33-1173	6	2	BNC Male Clamp for RG-59 & RG-62 Cables
33-1195	6	2	Double BNC Male
33-1196	6	1	BNC Male to Double BNC Female
33-1197	6	1	BNC Three Female
33-1555	6	1	BNC Female to Male
33-1566	6	1	"F" Female to RCA Female
49-512-10R	50		6" Hooks
49-3310-3	1		Reorder Card Set
75-2050-R	1		2 Foot Display Rack
75-3001-5R	2		Brackets
75-3001-6R	2		Two-sided Tape
GC-HDR-7468	1		2 Foot Header
GC-PKRM-7469	1		Packing List/Road Map



Display Rack Part No. 49-3310

CONNECTORS

CONNECTORS PROGRAMS (Cont.)

- RF Connectors Program 49-3315
- 37 Connector Part Numbers
- 2 Foot Program
- UHF, TNC, SMA, "N", Twin Axial Connectors

Program Contents

Retail Part No.	Quantity Per Program	Quantity Package	Description
32-3107	6	1	UHF Male to RCA Female
33-500	6	1	UHF Male to Double UHF Female
33-501	6	1	UHF Three Female
33-509	6	1	UHF Double Male
33-510	6	1	UHF Double Male
33-540	6	2	UHF Male Crimp Type for RG-58 Cable
33-541	6	2	UHF Male Crimp Type for RG-59 & RG-62 Cables
33-844	6	1	Right Angle Mini UHF Male to Female
33-846	6	1	Mini UHF Male to Double Female
33-847	6	1	Mini UHF Three Female
33-850	6	5	Mini UHF Male Twist-on for RG-58 Cables
33-861	6	2	Mini UHF Double Female
33-1200	6	5	TNC Male Twist-on for RG-59 & RG-62
33-1201	6	5	TNC Female Twist-on for RG-59 & RG-62 Cables
33-1207	6	1	TNC Double Female
33-1209	6	1	TNC Male to UHF Female
33-1249	6	5	TNC Male Twist-on for RG-58 Cable
33-1260	6	5	TNC Male Crimp for RG-59 & RG-62 Cables
33-1261	6	5	TNC Male Crimp for RG-58 Cable
33-1265	6	5	TNC Male Crimp for RG-174
33-1304	6	1	Twin-axial Double Female
33-1305	6	1	Twin-axial Three Female
33-1306	6	1	Right Angle Twin-ax Male to Female
33-1312	6	1	SMA Double Female
33-1314	6	1	SMA Male to UHF Female
33-1316	6	1	SMA Female to Mini UHF Male
33-1317	6	1	SMA Female to Mini UHF Female
33-1319	6	1	SMA Female to TNC Female
33-1320	6	1	SMA Female to UHF Male
33-1515	6	1	"N" Male to "N" Female
33-1520	6	1	"N" Female to "N" Female
33-1534	6	1	Right Angle "N" Double Male
33-1535	6	1	Right Angle "N" Male to Female
33-1536	6	1	"N" Male to Double "N" Female
33-1537	6	1	"N" Male Terminator for 50 Ohm
33-1538	6	1	"N" Female Terminator for 50 Ohm
33-1565	6	1	"N" Male to "F" Female
49-512-10R	44		6" Hooks
49-3315-3	1		Reorder Card Set
75-2050-R	1		2 Foot Rack
75-3001-5R	2		Brackets
75-3001-6R	2		Two Sided Tape
GC-HDR-7468	1		2 Foot Header
GC-PKRM-7470	1		Packing List/Road Map



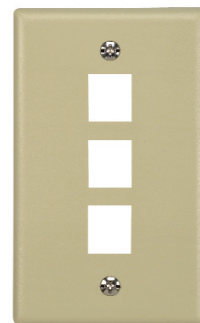
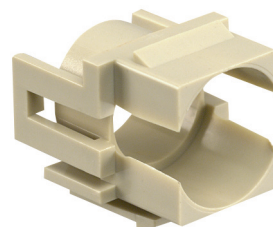
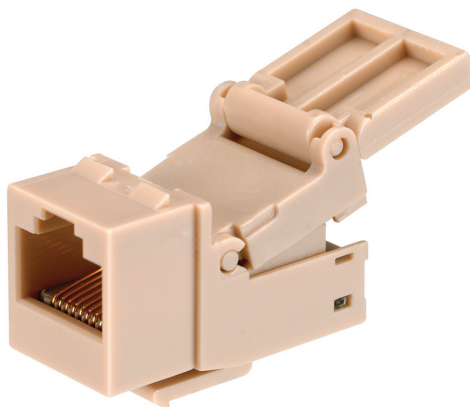
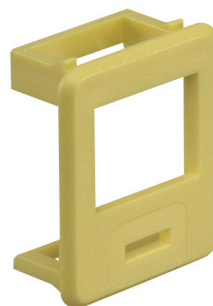
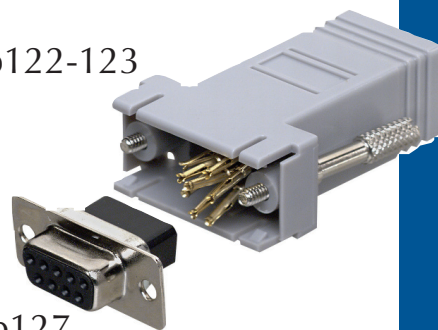
Display Rack Part No. 49-3315



DATACOM

Contents:

- Standard Keystone Datacom Wall Plates p120-121
- Standard Keystone Datacom Wall Plate Inserts & Jacks p122-123
- Multi-Media Wall Plates p124
- Multi-Media Inserts p125
- Miscellaneous Stainless Steel Datacom Wall Plates p125
- Assembly Plate, Surface Boxes & Inserts p126
- Surface Mount Boxes/Wall Plate Mounting Accessories p127
- Modular Plugs p127
- Patch Panels p127
- Datacom Straight Pinned Patch Cables p128
- Datacom Adapters p129
- Network Cable Testers p130
- Datacom Programs p131-143
- Notes p139, 144



STANDARD KEYSTONE DATACOM WALL PLATES

Datacom



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

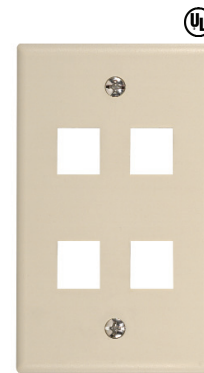


Fig. 11



Fig. 12

Residential Structured Cabling Wall Plates, Pre-Loaded

Retail Part No.	Bulk Part No.	Fig. No.	Description	No. of Ports	Color
45-1615	45-1615-BU	1	Cat 3&4	1	White
45-1616	45-1616-BU	1	Cat 3&4	1	Ivory
45-1617	45-1617-BU	1	Cat 3&4	1	Lt. Almond
45-958	45-958-BU	1	Cat 5e	1	White
45-957	45-957-BU	1	Cat 5e	1	Ivory
45-959	45-959-BU	1	Cat 5e	1	Lt. Almond
45-951	45-951-BU	2	1 Cat 5e + 1 Coax-Gold	2	White
45-952	45-952-BU	2	1 Cat 5e + 1 Coax-Gold	2	Ivory
45-953	45-953-BU	2	1 Cat 5e + 1 Coax-Gold	2	Lt. Almond
45-954	45-954-BU	3	1 Cat 5e + 2 Coax	3	White
45-955	45-955-BU	3	1 Cat 5e + 2 Coax	3	Ivory
45-956	45-956-BU	3	1 Cat 5e + 2 Coax	3	Lt. Almond
45-1601	45-1601-BU	4	1 Cat 3&4 + 1 Cat 5e + 2 Coax-Gold	4	White
45-1602	45-1602-BU	4	1 Cat 3&4 + 1 Cat 5e + 2 Coax-Gold	4	Ivory
45-1603	45-1603-BU	4	1 Cat 3&4 + 1 Cat 5e + 2 Coax-Gold	4	Lt. Almond
45-937	45-937-BU	5	2 Cat 5e + 2 Coax-Gold	4	White
45-947	45-947-BU	5	2 Cat 5e + 2 Coax-Gold	4	Ivory
45-980	45-980-BU	5	2 Cat 5e + 2 Coax-Gold	4	Lt. Almond
45-931	45-931-BU	6	2 Cat 5e + 2 Coax-Gold, 2 Blanks	6	White
45-940	45-940-BU	6	2 Cat 5e + 2 Coax-Gold, 2 Blanks	6	Ivory
45-970	45-970-BU	6	2 Cat 5e + 2 Coax-Gold, 2 Blanks	6	Lt. Almond

Standard Datacom Wall Plates (Keystone Ready)

Retail Part No.	Bulk Part No.	Figure No.	Description	No. of Ports	Color
45-994	45-994-BU	7	Blank, Single Gang	0	White
45-995	45-995-BU	7	Blank, Single Gang	0	Ivory
45-996	45-996-BU	7	Blank, Single Gang	0	Lt. Almond
45-5633	45-5633-BU	8	Single Gang	1	White
45-950	45-950-BU	8	Single Gang	1	Ivory
45-983	45-983-BU	8	Single Gang	1	Lt. Almond
45-5634	45-5634-BU	9	Single Gang	2	White
45-938	45-938-BU	9	Single Gang	2	Ivory
45-979	45-979-BU	9	Single Gang	2	Lt. Almond
45-5635	45-5635-BU	10	Single Gang	3	White
45-933	45-933-BU	10	Single Gang	3	Ivory
45-978	45-978-BU	10	Single Gang	3	Lt. Almond
45-5636	45-5636-BU	11	Single Gang	4	White
45-934	45-934-BU	11	Single Gang	4	Ivory
45-977	45-977-BU	11	Single Gang	4	Lt. Almond
45-5637	45-5637-BU	12	Single Gang	6	White
45-936	45-936-BU	12	Single Gang	6	Ivory
45-976	45-976-BU	12	Single Gang	6	Lt. Almond

Note: These wall plates are used with all of the inserts and jacks on pages 122 and 123.

STANDARD KEYSTONE DATACOM WALL PLATES (Cont.)



Fig. 1



Fig. 2



Fig. 3

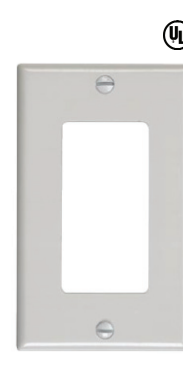


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

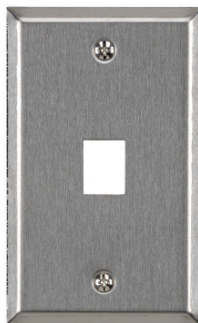


Fig. 9



Fig. 10

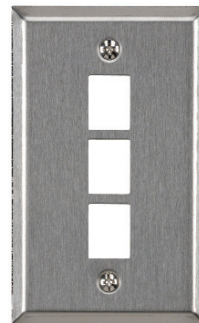


Fig. 11

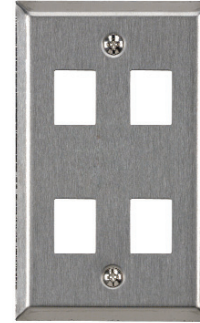


Fig. 12

Décor Style

Retail Part No.	Bulk Part No.	Figure No.	Description	No. of Ports	Color
45-971	45-971-BU	1	Single Gang Base	1	Ivory
45-971	45-971-BU	1	Single Gang Base	1	White
45-972	45-972-BU	2	Single Gang Base	2	Ivory
45-972	45-972-BU	2	Single Gang Base	2	White
45-973	45-973-BU	3	Single Gang Base	3	Ivory
45-973	45-973-BU	3	Single Gang Base	3	White
45-974	45-974-BU	4	Single Gang Face Plate	1	Ivory
45-974	45-974-BU	4	Single Gang Face Plate	1	White

Electrical Style

Retail Part No.	Bulk Part No.	Fig. No.	Description	No. of Ports	Color
45-960	45-960-BU	5	Single Gang Face Plate	1	Ivory
45-960	45-960-BU	5	Single Gang Face Plate	1	White
45-961	45-961-BU	6	Single Gang Base	1	Ivory
45-961	45-961-BU	6	Single Gang Base	1	White
45-962	45-962-BU	7	Single Gang Base	2	Ivory
45-962	45-962-BU	7	Single Gang Base	2	White
45-963	45-963-BU	8	Single Gang Face Plate	2	Ivory
45-963	45-963-BU	8	Single Gang Face Plate	2	White

Stainless Steel

Retail Part No.	Bulk Part No.	Figure No.	Description	No. of Ports	Color
45-921	45-921-BU	9	Single Gang	1	Stainless Steel
45-923	45-923-BU	10	Single Gang	2	Stainless Steel
45-924		11	Single Gang	3	Stainless Steel
45-925		12	Single Gang	4	Stainless Steel

Note: These wall plates are used with all of the inserts and jacks on pages 122 and 123.

STANDARD KEYSTONE DATACOM WALL PLATE INSERTS & JACKS

Keystone Wall Plate Inserts

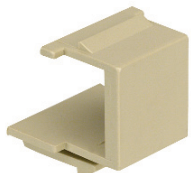


Fig. 1



Fig. 2

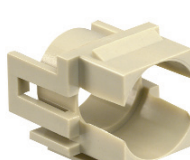


Fig. 3



Fig. 4

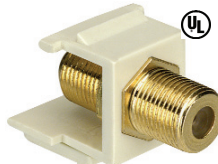


Fig. 5

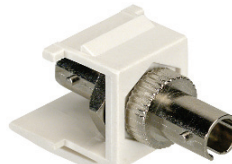


Fig. 6

Keystone Wall Plate Inserts

Retail Part No.	Bulk Part No.	Fig. No.	Description	Color
45-942	45-942-BU	1	Blank Insert	Ivory
45-5638	45-5638-BU	1	Blank Insert	White
45-990	45-990-BU	1	Blank Insert	Lt. Almond
45-944	45-944-BU	2	Coax Insert, Empty	Ivory
45-944W	45-944W-BU	2	Coax Insert, Empty	White
45-945	45-945-BU	3	Insert for BNC Connector	Ivory
45-5640	45-5640-BU	4	BNC Connector Insert	White
45-991	45-991-BU	5	Coax Insert-Gold	White
45-992	45-992-BU	5	Coax Insert-Gold	Ivory
45-993	45-993-BU	5	Coax Insert-Gold	Lt. Almond
45-1600	45-1600-BU	5	"F" Coax Insert-Gold	Gray
45-964	45-964-BU	6	Fiber Insert, ST/ST	White
45-965	45-965-BU	6	Fiber Insert, ST/ST	Ivory
45-966	45-966-BU	6	Fiber Insert, ST/ST	Lt. Almond

Note: Fits all Keystone ready wall plates on pages 120 and 121 and all keystone ready inserts on pages 124, 125, and 126.

180° and 90° IDC Tool-less Keystone Jacks



Fig. 7



Fig. 8



Fig. 9

Cat 3&4, 180° IDC Tool-less Jacks

Bulk Part No.	Figure No.	Description	Color
45-5019-BU	7	Tool-less IDC Jack	White
45-5020-BU	7	Tool-less IDC Jack	Ivory
45-5026-BU	7	Tool-less IDC Jack	Lt. Almond
45-5027-BU	7	Tool-less IDC Jack	Blue
45-5028-BU	7	Tool-less IDC Jack	Red

Note: Cat 3&4, 6P4C

Cat 5e, 180° IDC Tool-less Jacks

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
45-5575	45-5575-BU	8	Tool-less IDC Jack	Orange
45-5576	45-5576-BU	8	Tool-less IDC Jack	Yellow
45-5577	45-5577-BU	8	Tool-less IDC Jack	Black
45-5578	45-5578-BU	8	Tool-less IDC Jack	Red
45-5579	45-5579-BU	8	Tool-less IDC Jack	Green
45-5680	45-5680-BU	8	Tool-less IDC Jack	Blue
45-5836	45-5836-BU	8	Tool-less IDC Jack	White
45-5837	45-5837-BU	8	Tool-less IDC Jack	Ivory
45-5838	45-5838-BU	8	Tool-less IDC Jack	Lt. Almond
45-5839	45-5839-BU	8	Tool-less IDC Jack	Gray

Note: Cat 5e, 8P8C

Cat 6, 90° IDC Tool-less Jacks

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
45-6629	45-6629-BU	9	Tool-less IDC Jack	White

Note: Cat 6, 8P8C

Note: Fits all Keystone ready wall plates on pages 120 and 121 and all keystone ready inserts on pages 124, 125, and 126.

90° 110 Punchdown Keystone Jacks



Fig. 10



Fig. 11

Cat 5e, 90° 110Punchdown Jacks

Retail Part No.	Bulk Part No.	Figure No.	Color
45-5556	45-5556-BU	10	Yellow
45-5557	45-5557-BU	10	Blue
45-5558	45-5558-BU	10	Red
45-5559	45-5559-BU	10	Green
45-5560	45-5560-BU	10	Black
45-5561	45-5561-BU	10	Orange
45-5562	45-5562-BU	10	Ivory
45-5569	45-5569-BU	10	White
45-5840	45-5840-BU	10	Lt. Almond
45-5841	45-5841-BU	10	Gray

Note: Cat 5e, 8P8C

Cat 6, 90° 110Punchdown Jacks

Retail Part No.	Bulk Part No.	Figure No.	Color
	45-1619-BU	11	Lt. Almond
	45-1620-BU	11	Blue
	45-1621-BU	11	Red
45-6750	45-6750-BU	11	Ivory
45-6751	45-6751-BU	11	Black
45-6759	45-6759-BU	11	White

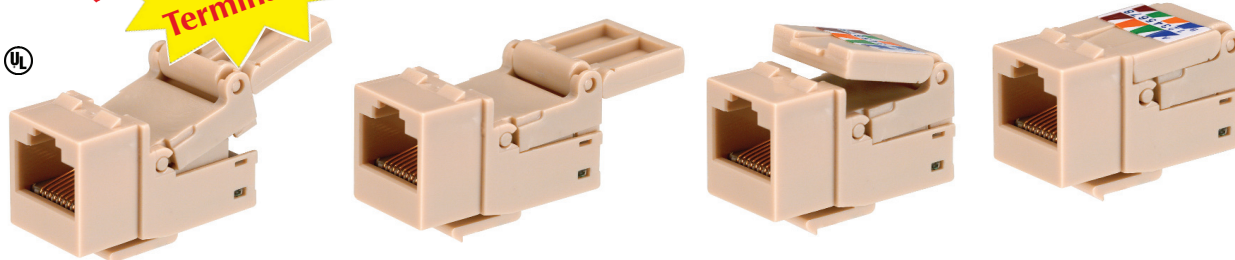
Note: Cat 6, 8P8C

Note: Fits all Keystone ready wall plates on pages 120 and 121 and all keystone ready inserts on pages 124, 125, and 126.

STND. KEYSTONE DATACOM WALL PLATE INSERTS & JACKS (Cont.)

Quick
LoQ

**Totally
Tool-LESS
Termination!**



Keystone Quick LoQ Jacks

Self-crimping/Tool-less

Quick LoQ Tool-less Keystone Inserts allow you to quickly connect Cat 3&4, 5e, and 6 wire to their respective Jacks. (See connection stages below.) Simply cut away the outer sheath, separate the colored inner wires, align to their proper pin (noted in package), using thumb and fingers clamp upper closure down upon wires. No need to strip wires, thus saving time.

Quick LoQ Cat 3&4 Jacks

Retail Part No.	Bulk Part No.	Color
45-5530	45-5530-BU	Black
45-5531	45-5531-BU	Lt. Almond
45-5532	45-5532-BU	Red
45-5533	45-5533-BU	Orange
45-5534	45-5534-BU	Yellow
45-5535	45-5535-BU	Green
45-5536	45-5536-BU	Blue
45-5537	45-5537-BU	Ivory
45-5538	45-5538-BU	Gray
45-5539	45-5539-BU	White

Note: Cat 3&4, 6P4C

Quick LoQ Cat 5e Jacks

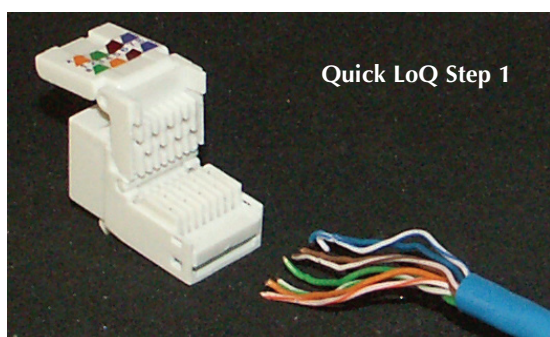
Retail Part No.	Bulk Part No.	Color
45-5500	45-5500-BU	Black
45-5501	45-5501-BU	Lt. Almond
45-5502	45-5502-BU	Red
45-5503	45-5503-BU	Orange
45-5504	45-5504-BU	Yellow
45-5505	45-5505-BU	Green
45-5506	45-5506-BU	Blue
45-5507	45-5507-BU	Ivory
45-5508	45-5508-BU	Gray
45-5509	45-5509-BU	White

Note: Cat 5e, 8P8C

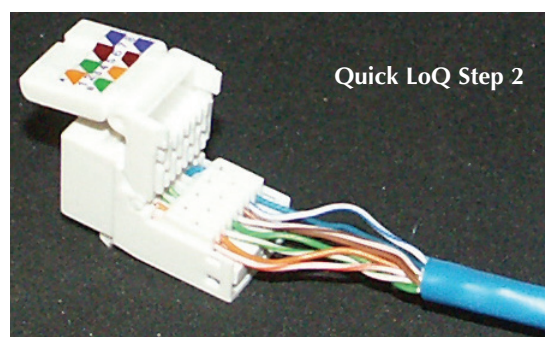
Quick LoQ Cat 6 Jacks

Retail Part No.	Bulk Part No.	Color
45-5520	45-5520-BU	Black
45-5521	45-5521-BU	Lt. Almond
45-5522	45-5522-BU	Red
45-5523	45-5523-BU	Orange
45-5524	45-5524-BU	Yellow
45-5525	45-5525-BU	Green
45-5526	45-5526-BU	Blue
45-5527	45-5527-BU	Ivory
45-5528	45-5528-BU	Gray
45-5529	45-5529-BU	White

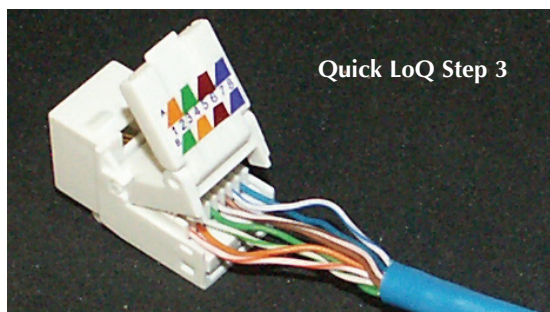
Note: Cat 6, 8P8C



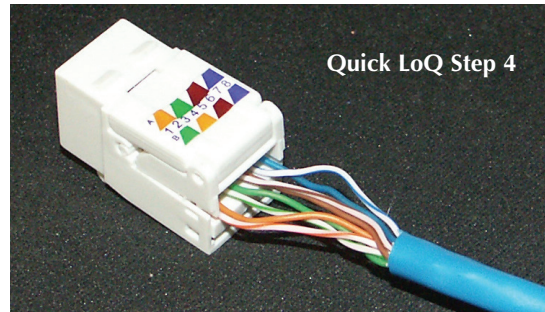
Quick LoQ Step 1



Quick LoQ Step 2



Quick LoQ Step 3



Quick LoQ Step 4

Note: Fits all Keystone ready wall plates on pages 120 and 121 and all keystone ready inserts on pages 124, 125, and 126.

MULTI-MEDIA WALL PLATES

Datacom



Fig. 1



Fig. 2

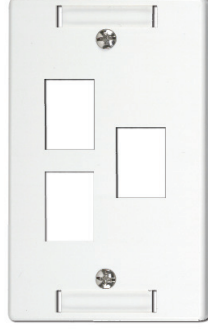


Fig. 3

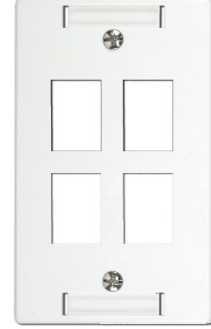


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

Multi-Media Wall Plates

Retail Part No.	Bulk Part No.	Figure No.	Description	No. of Ports	Color
45-5651	45-5651-BU	1	Single Gang Base	1	White
45-5652	45-5652-BU	2	Single Gang Base	2	White
45-5654	45-5654-BU	3	Single Gang Base	3	White
45-5653	45-5653-BU	4	Single Gang Base	4	White
45-5655	45-5655-BU	5	Single Gang Base	6	White
45-5656	45-5656-BU	6	Dual Gang Base	4	White
45-5657	45-5657-BU	7	Dual Gang Base	6	White
45-5658	45-5658-BU	8	Dual Gang Base	8	White

Angled Face Wall Plates

Retail Part No.	Bulk Part No.	Fig. No.	Description	No. of Ports	Color
45-5982		9	Single Gang, Angular	2	White
45-5984		10	Single Gang, Angular	4	White

MULTI-MEDIA INSERTS



Fig. 1



Fig. 2

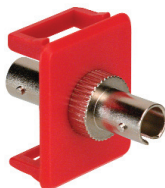


Fig. 3



Fig. 4



Fig. 5



Fig. 6

Multi-Media Inserts

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
45-5642	45-5642-BU	1	Keystone Ready Adapter Insert	Black
45-5643	45-5643-BU	1	Keystone Ready Adapter Insert	Red
45-5644	45-5644-BU	1	Keystone Ready Adapter Insert	Green
45-5645	45-5645-BU	1	Keystone Ready Adapter Insert	Yellow
45-5646	45-5646-BU	1	Keystone Ready Adapter Insert	Blue
45-5664	45-5664-BU	1	Keystone Ready Adapter Insert	White
45-5835	45-5835-BU	1	Keystone Ready Adapter Insert	Orange
45-5660	45-5660-BU	2	Insert Blank	White
45-5830	45-5830-BU	2	Insert Blank	Blue
45-5831	45-5831-BU	2	Insert Blank	Yellow
45-5833	45-5833-BU	2	Insert Blank	Red
45-5661	45-5661-BU	3	Insert for Assembly, "ST" Fiber	White
45-5834	45-5834-BU	3	Insert for Assembly, "ST" Fiber	Red
45-5665	45-5665-BU	4	Insert for Assembly, "BNC"	White
45-5666	45-5666-BU	5	Insert for Assembly, "F-81"	White
45-5832	45-5832-BU	5	Insert for Assembly, "F-81"	Yellow
45-5662	45-5662-BU	6	Insert for "F" Connector	White

Note: These inserts fit all wall plates on page 124. The Keystone ready adapter inserts fit all inserts and jacks from pages 122 and 123.

MISCELLANEOUS STAINLESS STEEL DATA COM WALL PLATES

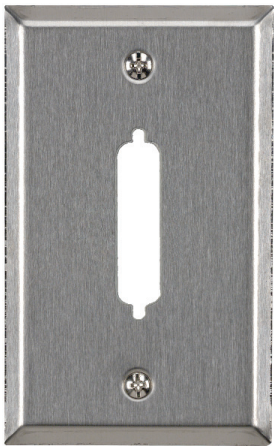


Fig. 7



Fig. 8

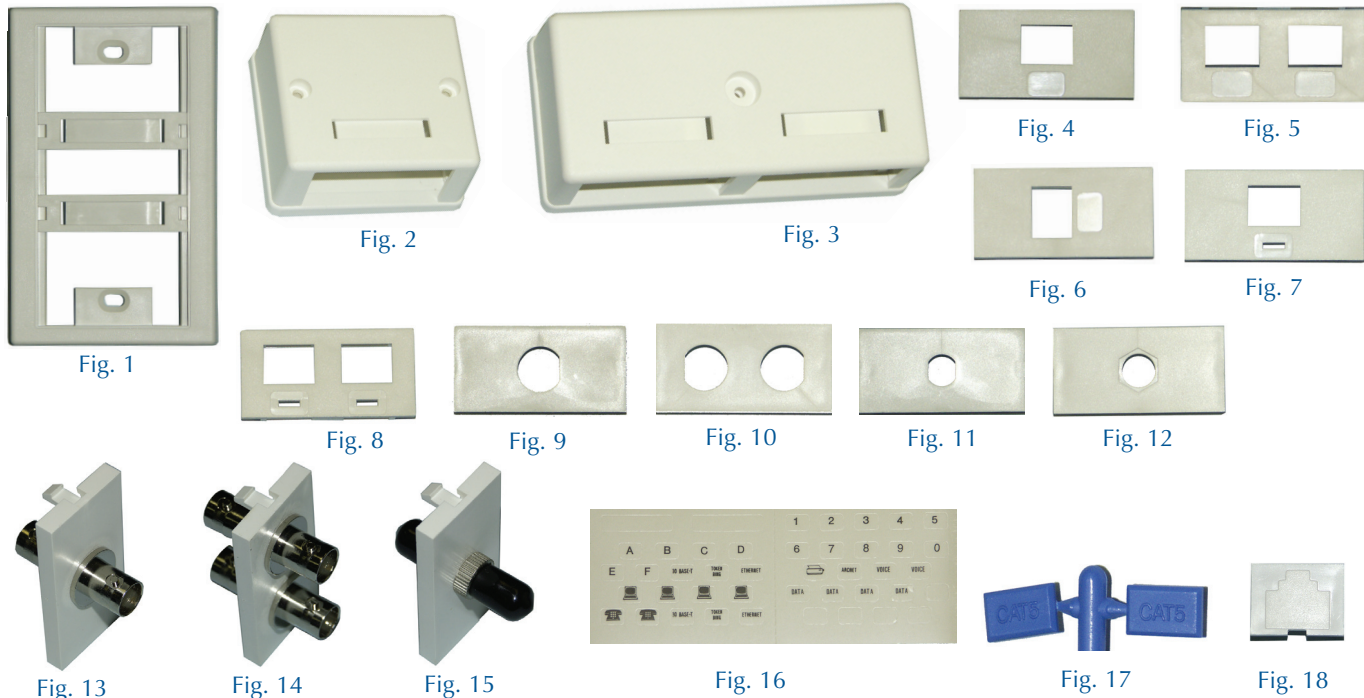


Fig. 9

Misc. Standard Datacom Wall Plates–Stainless Steel

Retail Part No.	Bulk Part No.	Figure No.	Description	No. of Ports	Color
45-900	45-900-BU	7	Single Gang, 1DB-25	1	Stainless Steel
45-920	45-920-BU	8	Single Gang, 1BNC	1	Stainless Steel
45-922	45-922-BU	9	Single Gang, 2BNC	2	Stainless Steel

ASSEMBLY PLATE, SURFACE BOXES & INSERTS



Assembly Plate and Surface Boxes

Retail Part No.	Bulk Part No.	Figure No.	Description	Use with Figure Nos.:	Color
45-5601	45-5601-BU	1	Assembly Datacom Wall Plate	4 through 15	White
45-5672		2	Surface Box, Single	4 through 15	White
45-5673	45-5673-BU	3	Surface Box, Double	4 through 15	White

Keystone Ready Inserts for Assembly Plate and Surface Boxes

Retail Part No.	Bulk Part No.	Figure No.	Description	Use with:	Color
45-5603	45-5603-BU	4	Keystone Ready Insert, (1) Horizontal Jack Type	Keystone Inserts/Jacks p122-123	White
45-5604	45-5604-BU	5	Keystone Ready Insert, (2) Horizontal Jack Type	Keystone Inserts/Jacks p122-123	White
45-5606	45-5606-BU	6	Keystone Ready Insert, (1) Vertical Jack Type	Keystone Inserts/Jacks p122-123	White
45-5670	45-5670-BU	7	Keystone Ready Insert, (1) Modular Jack with Icon Identifications	Keystone Inserts/Jacks p122-123	White
45-5671	45-5671-BU	8	Keystone Ready Insert, (2) Modular Jack s with Icon Identifications	Keystone Inserts/Jacks p122-123	White

BNC, "F" and Fiber Optic Inserts for Assembly Plate and Surface Boxes

Retail Part No.	Bulk Part No.	Figure No.	Description	Use with:	Color
45-5607		9	BNC/TNC Insert, (1)	(See Connector Section)	White
45-5608	45-5608-BU	10	BNC/TNC Insert, (2)	(See Connector Section)	White
45-5609	45-5609-BU	11	"ST" Fiber Optic Insert, (1)	(See Connector Section)	White
45-5610		12	"F" Connector Insert, (1)	(See Connector Section)	White

Pre-loaded BNC and Fiber Optic Inserts for Assembly Plate and Surface Boxes

Retail Part No.	Bulk Part No.	Figure No.	Description	Use with:	Color
45-5667	45-5667-BU	13	BNC/TNC Insert, (1)	(See Connector Section)	White
45-5668	45-5668-BU	14	BNC/TNC Insert, (2)	(See Connector Section)	White
45-5669	45-5669-BU	15	"ST" Fiber Optic Insert, (1)	(See Connector Section)	White

Icon Labels, Icon Inserts and Dust Cover

Retail Part No.	Bulk Part No.	Figure No.	Description	Use with Figure Nos.:	Color
45-5613	45-5613-BU	16	Icon Labels	4 through 6	White
45-5647		17	Icon Insert	7 and 8	Red
45-5648	45-5648-BU	17	Icon Insert	7 and 8	Blue
45-5649	45-5649-BU	17	Icon Insert	7 and 8	Green
45-5650		17	Icon Insert	7 and 8	Yellow
45-5617	45-5617-BU	18	Dust Cover	4 through 8	White

SURFACE MOUNT BOXES/ WALL PLATE MOUNTING ACCESSORIES



Fig. 1



Fig. 2



Fig. 3



Fig. 4

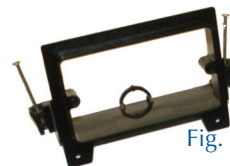


Fig. 5

Surface Mount Box

Retail Part No.	Bulk Part No.	Figure No.	Description	No. of Ports	Color
45-5612	45-5612-BU	1	Cat 5e Single Surface Box	1	White
45-5614	45-5614-BU	1	Cat 5e Single Surface Box	1	Ivory
45-1604	45-1604-BU	1	Cat 6 Single Surface Box	1	White
45-5615	45-5615-BU	2	Cat 5e Dual Surface Box	2	White
45-5616	45-5616-BU	2	Cat 5e Dual Surface Box	2	Ivory
45-1605	45-1605-BU	2	Cat 6 Dual Surface Box	2	White

Wall Plate Mounting Accessories

Retail Part No.	Bulk Part No.	Figure No.	Description
	45-270-BU	3	Wall Plate Mounting Bracket for Existing Construction, Metal
45-271	45-271-BU	4	Wall Plate Mounting Bracket for Existing Construction, Plastic
45-272	45-272-BU	5	Nail-in Low Voltage Mounting Bracket

Datacom

MODULAR PLUGS



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Cat 5e 8-Conductor (8p8c)

Retail Part No.	Fig. No.	Description
30-9921-100	6	Round Solid, 50 Micron 100 ct Polybag

Cat 6 8-Conductor (8p8c)

Retail Part No.	Fig. No.	Description
30-9923-100	7	Round Solid, 50 Micron 100 ct Polybag

RJ-11 4-Conductor (4p4c)

Retail Part No.	Fig. No.	Description
45-5404	8	4 conductor mod. plug ends (pkg of 4)

RJ-12 6-Conductor (6p6c)

Retail Part No.	Fig. No.	Description
45-660-100	9	6 conductor modu. plug ends for round stranded cable (pkg of 100)
45-5405	10	6 conductor modu. plug ends (pkg of 4)

RJ-45 8-Conductor (8p8c)

Retail Part No.	Fig. No.	Description
45-5406	6	8 conductor modu. plug ends (pkg of 4)

RJ-50 10-Conductor (10p10c)

Retail Part No.	Fig. No.	Description
30-8910-100	11	Round Stranded, 3 Micron 100 ct Polybag



Fig. 12

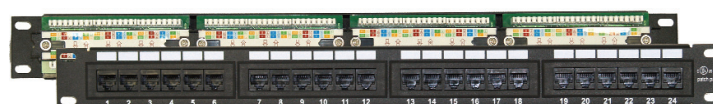


Fig. 13

Patch Panels

Retail Part No.	Figure No.	Description	No. of Ports	Color
45-1623	12	Cat 5e 110 Style	12	Black
45-1624	13	Cat 5e 110 Style	24	Black

DATACOM STRAIGHT PINNED PATCH CABLES



Fig. 1



Fig. 2



Fig. 3

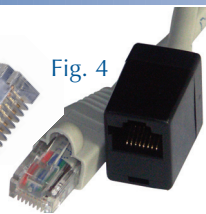


Fig. 4



Fig. 5



Fig. 6

Cat 3 Molded Boot Straight Pinned Patch Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
	45-6331-BU	1	8" Molded Boot, Patch Cable	Orange
	45-6332-BU	1	2' Molded Boot, Patch Cable	Orange
	45-6333-BU	1	3' Molded Boot, Patch Cable	Orange
	45-6334-BU	1	4' Molded Boot, Patch Cable	Orange

Cat 5e Molded Boot Straight Pinned Patch Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
	45-6833-BU	2	3' Molded Boot, Patch Cable	Gray
	45-6834-BU	2	3' Molded Boot, Patch Cable	Red
	45-6835-BU	2	3' Molded Boot, Patch Cable	Yellow
	45-6837-BU	2	3' Molded Boot, Patch Cable	Black
	45-6838-BU	2	3' Molded Boot, Patch Cable	Green
	45-6830-BU	2	7' Molded Boot, Patch Cable	White
	45-6839-BU	2	7' Molded Boot, Patch Cable	Gray
	45-6840-BU	2	7' Molded Boot, Patch Cable	Red
	45-6841-BU	2	7' Molded Boot, Patch Cable	Yellow
	45-6843-BU	2	7' Molded Boot, Patch Cable	Black
	45-6844-BU	2	7' Molded Boot, Patch Cable	Green
	45-6845-BU	2	14' Molded Boot, Patch Cable	Gray
	45-6846-BU	2	14' Molded Boot, Patch Cable	Red
	45-6847-BU	2	14' Molded Boot, Patch Cable	Yellow
	45-6848-BU	2	14' Molded Boot, Patch Cable	Blue
	45-6849-BU	2	14' Molded Boot, Patch Cable	Black
	45-6850-BU	2	14' Molded Boot, Patch Cable	Green
	45-6819-BU	2	25' Molded Boot, Patch Cable	White
	45-6886-BU	2	50' Molded Boot, Patch Cable	Blue
	45-6896-BU	2	100' Molded Boot, Patch Cable	Blue

Cat 5e Snagless Boot Straight Pinned Patch Cables

Retail Part No.	Bulk Part No.	Fig. No.	Description	Color
45-6857	45-6857-BU	3	Cat 5e, 8" Snagless Boot, Patch Cable	Blue
45-6858	45-6858-BU	3	Cat 5e, 2' Snagless Boot, Patch Cable	Blue
45-6860	45-6860-BU	3	Cat 5e, 3' Snagless Boot, Patch Cable	Blue
45-6859	45-6859-BU	3	Cat 5e, 4' Snagless Boot, Patch Cable	Blue
45-6867	45-6867-BU	3	Cat 5e, 7' Snagless Boot, Patch Cable	Blue
45-6868	45-6868-BU	3	Cat 5e, 14' Snagless Boot, Patch Cable	Blue
45-6854	45-6854-BU	3	Cat 5e, 25' Snagless Boot, Patch Cable	Blue
	45-1629-BU	3	Cat 5e, 8" Snagless Boot, Patch Cable	Orange
	45-1630-BU	3	Cat 5e, 2' Snagless Boot, Patch Cable	Orange
	45-1631-BU	3	Cat 5e, 3' Snagless Boot, Patch Cable	Orange
	45-1632-BU	3	Cat 5e, 4' Snagless Boot, Patch Cable	Orange
45-6851	45-6851-BU	3	Cat 5e, 25' Snagless Boot, Patch Cable	Gray
45-6853	45-6853-BU	3	Cat 5e, 25' Snagless Boot, Patch Cable	Yellow
45-6852	45-6852-BU	3	Cat 5e, 25' Snagless Boot, Patch Cable	Red
45-6855	45-6855-BU	3	Cat 5e, 25' Snagless Boot, Patch Cable	Black
45-6856	45-6856-BU	3	Cat 5e, 25' Snagless Boot, Patch Cable	Green

Cat 6 Snagless Boot Straight Pinned Patch Cables

Retail Part No.	Bulk Part No.	Fig. No.	Description	Color
	45-1606-BU	3	Cat 6, 3' Snagless Boot, Patch Cable	Gray
	45-1609-BU	3	Cat 6, 3' Snagless Boot, Patch Cable	Yellow
	45-1612-BU	3	Cat 6, 3' Snagless Boot, Patch Cable	Blue
	45-1607-BU	3	Cat 6, 7' Snagless Boot, Patch Cable	Gray
	45-1610-BU	3	Cat 6, 7' Snagless Boot, Patch Cable	Yellow
	45-1613-BU	3	Cat 6, 7' Snagless Boot, Patch Cable	Blue
	45-1608-BU	3	Cat 6, 14' Snagless Boot, Patch Cable	Gray
	45-1611-BU	3	Cat 6, 14' Snagless Boot, Patch Cable	Yellow
	45-1614-BU	3	Cat 6, 14' Snagless Boot, Patch Cable	Blue
	45-1626-BU	3	Cat 6, 25' Snagless Boot, Patch Cable	Gray
	45-1627-BU	3	Cat 6, 25' Snagless Boot, Patch Cable	Yellow
	45-1628-BU	3	Cat 6, 25' Snagless Boot, Patch Cable	Blue

Cat 5e Extension Straight Pinned Patch Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
	45-6999-BU	4	Cat 5e, 7' Snagless Boot, Patch Cable (M/F)	Gray

Rubber & Snap-on Plastic Boots

Retail Part No.	Bulk Part No.	Figure No.	Description	Color
45-5611	45-5611-BU	5	1-Pc Rubber Boot-Round Cable	White
45-5622	45-5622-BU	5	1-Pc Rubber Boot-Round Cable	Black
45-5623		5	1-Pc Rubber Boot-Round Cable	Green
45-5624	45-5624-BU	5	1-Pc Rubber Boot-Round Cable	Red
45-5625	45-5625-BU	5	1-Pc Rubber Boot-Round Cable	Yellow
45-5626	45-5626-BU	5	1-Pc Rubber Boot-Round Cable	Blue
45-5627	45-5627-BU	5	1-Pc Rubber Boot-Round Cable	Gray
45-5720	45-5720-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Black
45-5722	45-5722-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Red
45-5723	45-5723-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Orange
45-5724	45-5724-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Yellow
45-5725	45-5725-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Green
45-5726	45-5726-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Blue
45-5727	45-5727-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Purple
45-5728	45-5728-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	Gray
45-5729	45-5729-BU	6	2-Pc Cat 5 Snap-on Plastic Boot	White

DATACOM ADAPTERS

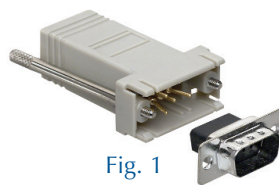


Fig. 1

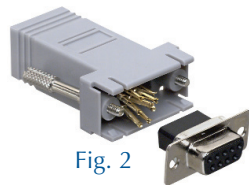


Fig. 2



Fig. 3

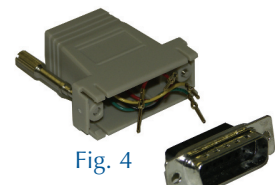


Fig. 4

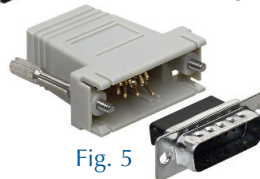


Fig. 5



Fig. 6

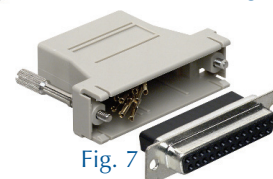


Fig. 7

Telco Adapters

Retail Part No.	Bulk Part No.	Fig. No.	Description
45-5108	45-5108-BU	1	4C (RJ11)/DB9 Male
45-5109	45-5109-BU	1	6C (RJ12)/DB9 Male
45-5110	45-5110-BU	1	8C (RJ45)/DB9 Male
45-5111	45-5111-BU	2	4C (RJ11)/DB9 Female
45-5112	45-5112-BU	2	6C (RJ12)/DB9 Female
45-5113	45-5113-BU	2	8C (RJ45)/DB9 Female
45-5117	45-5117-BU	3	8C (RJ45)/DB15 Female
45-5118	45-5118-BU	4	4C (RJ11)/DB15 Male
45-5120	45-5120-BU	5	8C (RJ45)/DB15 Male

Telco Adapters (Cont.)

Retail Part No.	Bulk Part No.	Fig. No.	Description
45-5121	45-5121-BU	6	4C (RJ11)/DB25 Male
45-5122	45-5122-BU	6	6C (RJ12)/DB25 Male
45-5123	45-5123-BU	6	8C (RJ45)/DB25 Male
45-5124	45-5124-BU	6	10C (RJ45)/DB25 Male
45-5125	45-5125-BU	7	4C (RJ11)/DB25 Female
45-5126	45-5126-BU	7	6C (RJ12)/DB25 Female
45-5127	45-5127-BU	7	8C (RJ45)/DB25 Female
45-5128	45-5128-BU	7	10C (RJ45)/DB25 Female

Modular Pin Wire Color Code (for 45-5108 to 45-5128)

Wire	Purple	Blue	Orange	Black	Red	Green	Yellow	Brown	Gray	White
10C-RJ45	1	2	3	4	5	6	7	8	9	10
8C-RJ45		1	2	3	4	5	6	7	8	
6C-RJ12		6		2	3	4	5			1
4C-RJ11				1	2	3	4			

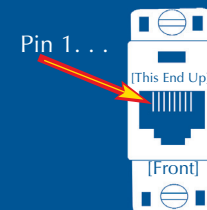


Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Telco Balun

Retail Part No.	Bulk Part No.	Figure No.	Description
45-5407	45-5407-BU	8	Adapter BNC Male/4C (RJ11) Female

ADSL Filters

Retail Part No.	Bulk Part No.	Figure No.	Description
45-1625	45-1625-BU	9	Adapts DSL Equipped Homes to Standard Modular Phone Systems

Adapters

Retail Part No.	Bulk Part No.	Figure No.	Description
45-4506		10	USOC (Telephone) RJ12 Female/8P6C (RJ45) Male Cat 5
45-4545		10	USOC (Telephone) RJ45 Male/8C (RJ45) Female Cat 5
45-6645		11	USOC 6C RJ12 Male/8P6C (RJ45) Female USOC
45-5787	45-5787-BU	12	Cat 5 8C RJ45 1 Female/2 8C RJ45 Male

Inline Couplers

Retail Part No.	Bulk Part No.	Figure No.	Description
45-5439	45-5439-BU	13	Cat 5e Coupler, 8C (RJ45) Female/Female

NETWORK CABLE TESTERS



Fig. 1

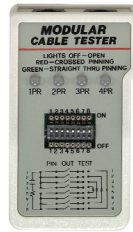


Fig. 2



Fig. 3

Network Cable Testers

Retail Part No.	Bulk Part No.	Figure No.	Description
12-5706		1	Stationman Probe Speaker Probe Receiver
45-5632		2	Modular Cable Tester
45-5767		3	LANtest (Network & Modular Cable Tester), USB-A and USB-B, BNC, RJ-45, RJ-12, RJ-22 (Use Included Adapter)

DATACOM PROGRAMS

- Keystone Datacom Jack/Wall Plate Program 49-5535
- 116 Datacom Part Numbers
- 7 Foot Program
- Jacks, Wall Plates, Testers
- Combines programs 49-5533 (pages 140-141) and 49-5534 (pages 142-143)

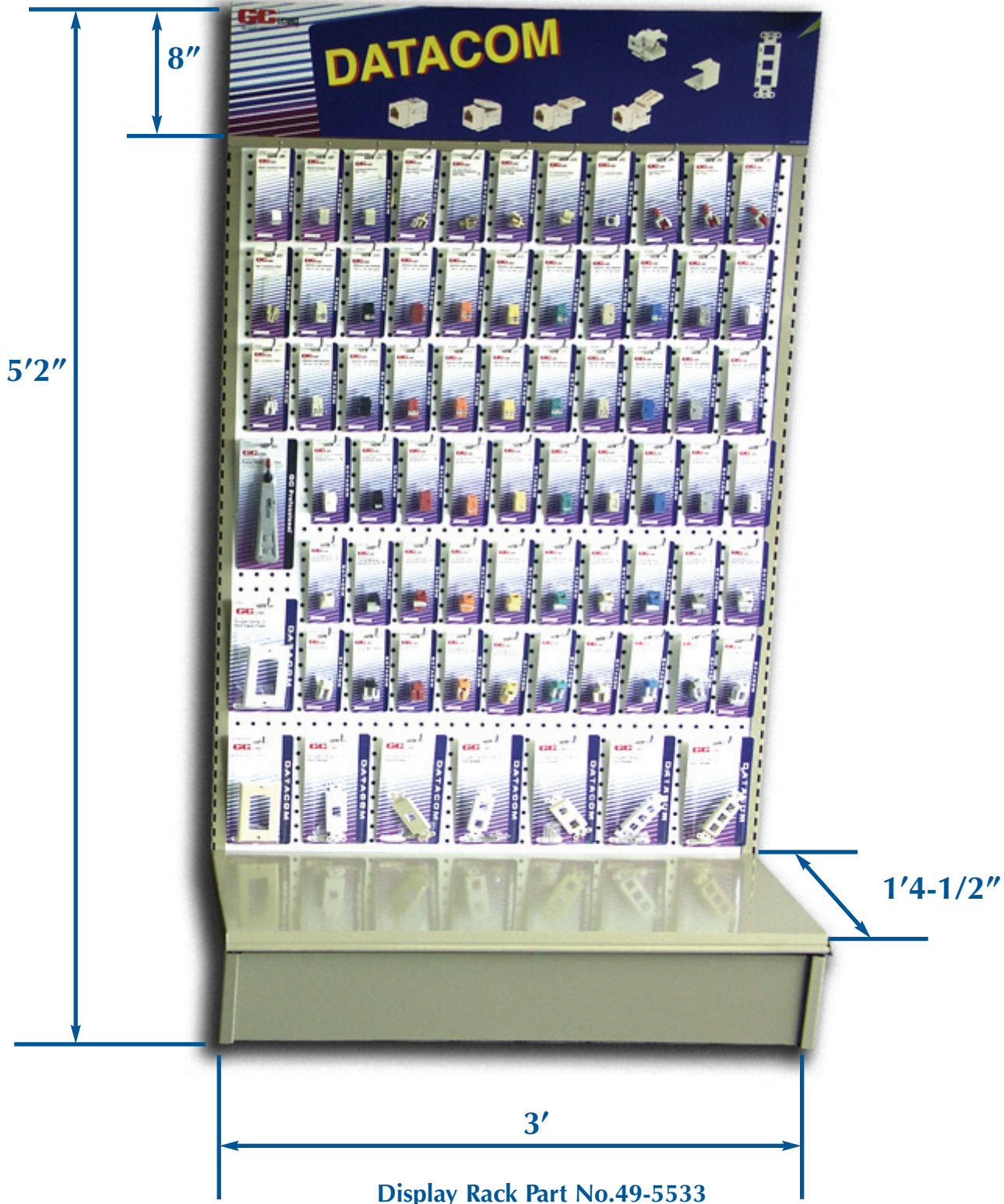


Note: Use Part No. **GC-PKRM-7841** to order Packing List and Road Map for Rack Part No. **49-5535**.
See pages 119 and 121 for further ordering information.

DATACOM PACKAGE PROGRAMS (Cont.)

- Keystone Datacom Jacks and Décor Wall Plates Program 49-5533
- 72 Datacom Part Numbers
- 3 Foot Program
- Jacks, Décor Wall Plates

Datacom



DATACOM PROGRAMS (Cont.)

- Keystone Datacom Jacks and Décor Wall Plates Program 49-5533
- 72 Datacom Part Numbers
- 3 Foot Program
- Jacks, Décor Wall Plates

Program Contents

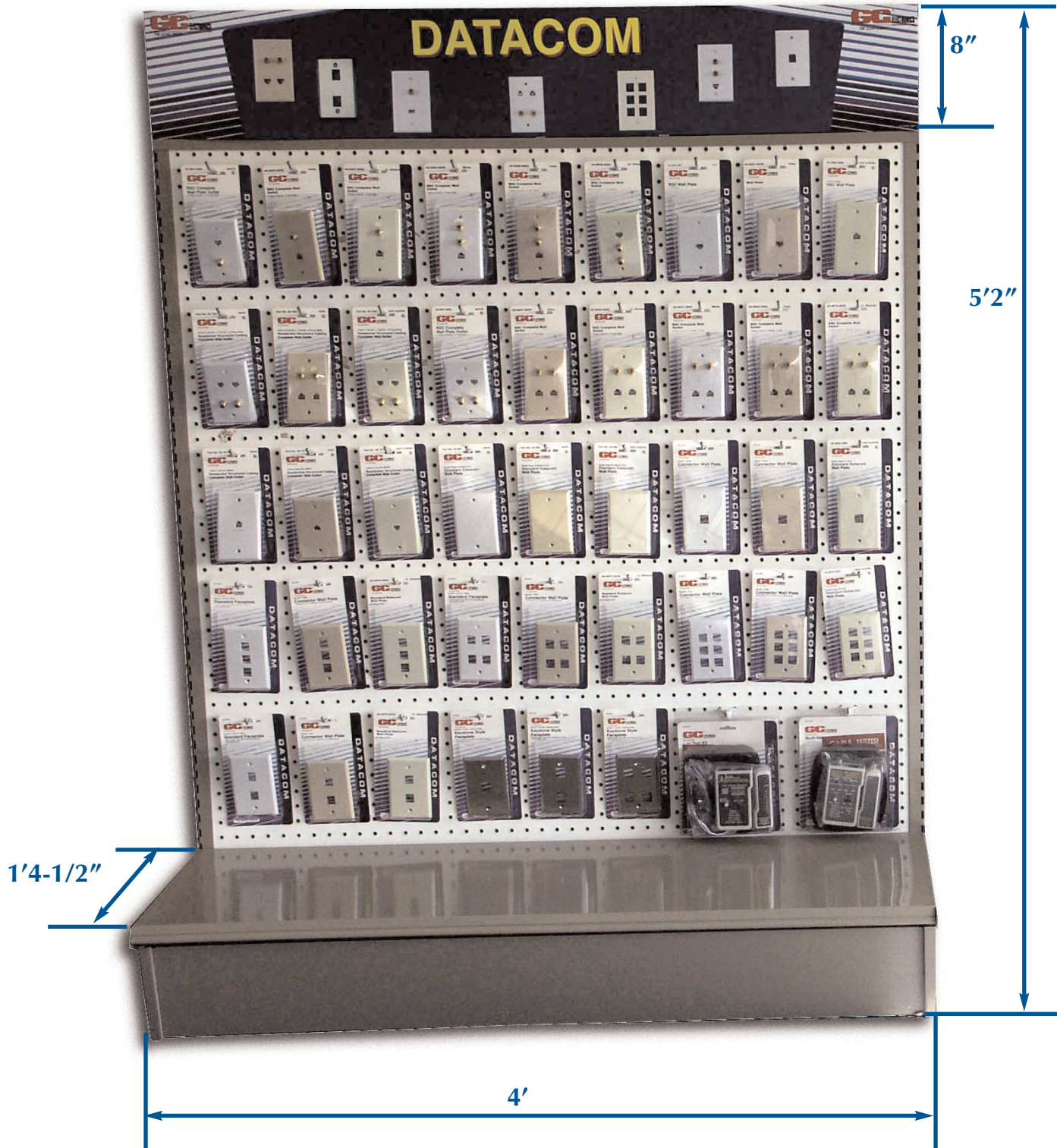
Retail Part No.	Quantity per Program	Description
12-5700	3	Punch Down Tool
45-942	3	Wall Plate Insert, Blank, Ivory
45-944	3	Wall Plate Insert, "F" Empty, Ivory
45-944W	3	Wall Plate Insert, "F" Empty, White
45-945	3	Wall Plate Insert, BNC Empty, Ivory
45-964	3	Wall Plate Insert, Fiber Optic St/St, White
45-965	3	Wall Plate Insert, Fiber Optic St/St, Ivory
45-966	3	Wall Plate Insert, Fiber Optic St/St, Lt. Almond
45-971	3	Décor Wall Insert, 1 Gang, 1 Port, Ivory
45-972	3	Décor Wall Insert, 1 Gang, 2 Port, Ivory
45-973	3	Décor Wall Insert, 1 Gang, 3 Port, Ivory
45-974	3	Décor Trim Plate, 1 Gang, 1 Port, Ivory
45-990	3	Wall Plate Insert, Blank, Light Almond
45-991	3	Wall Plate Insert, "F" (AV), White
45-992	3	Wall Plate Insert, "F" (AV), Ivory
45-993	3	Wall Plate Insert, "F" (AV), Light Almond
45-5500	3	Cat 5e IDC Lever LoQ, Black
45-5501	3	Cat 5e IDC Lever LoQ, Light Almond
45-5502	3	Cat 5e IDC Lever LoQ, Red
45-5503	3	Cat 5e IDC Lever LoQ, Orange
45-5504	3	Cat 5e IDC Lever LoQ, Yellow
45-5505	3	Cat 5e IDC Lever LoQ, Green
45-5506	3	Cat 5e IDC Lever LoQ, Blue
45-5507	3	Cat 5e IDC Lever LoQ, Ivory
45-5508	3	Cat 5e IDC Lever LoQ, Gray
45-5509	3	Cat 5e IDC Lever LoQ, White
45-5520	3	Cat 6 IDC Lever LoQ, Black
45-5521	3	Cat 6 IDC Lever LoQ, Light Almond
45-5522	3	Cat 6 IDC Lever LoQ, Red
45-5523	3	Cat 6 IDC Lever LoQ, Orange
45-5524	3	Cat 6 IDC Lever LoQ, Yellow
45-5525	3	Cat 6 IDC Lever LoQ, Green
45-5526	3	Cat 6 IDC Lever LoQ, Blue
45-5527	3	Cat 6 IDC Lever LoQ, Ivory
45-5528	3	Cat 6 IDC Lever LoQ, Gray
45-5529	3	Cat 6 IDC Lever LoQ, White
45-5530	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Black
45-5531	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Light Almond
45-5532	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Red
45-5533	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Orange
45-5534	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Yellow
45-5535	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Green
45-5536	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Blue
45-5537	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Ivory
45-5538	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, Gray
45-5539	3	Cat 3/4 1 Pc IDC Jack, Lever LoQ, White
45-5556	3	Cat 5e, 90°, 110 Punchdown Jack, Yellow
45-5557	3	Cat 5e, 90°, 110 Punchdown Jack, Blue
45-5558	3	Cat 5e, 90°, 110 Punchdown Jack, Red
45-5559	3	Cat 5e, 90°, 110 Punchdown Jack, Green
45-5560	3	Cat 5e, 90°, 110 Punchdown Jack, Black
45-5561	3	Cat 5e, 90°, 110 Punchdown Jack, Orange
45-5562	3	Cat 5e, 90°, 110 Punchdown Jack, Ivory
45-5569	3	Cat 5e, 90°, 110 Punchdown Jack, White
45-5575	3	Cat 5e, IDC Tool-less Jack, Orange
45-5576	3	Cat 5e, IDC Tool-less Jack, Yellow
45-5577	3	Cat 5e, IDC Tool-less Jack, Black
45-5578	3	Cat 5e, IDC Tool-less Jack, Red
45-5579	3	Cat 5e, IDC Tool-less Jack, Green
45-5638	3	Wall Plate Insert, Blank, White
45-5640	3	BNC Keystone Connector Insert, White
45-5680	3	Cat 5e, IDC Tool-less Jack, Blue
45-5836	3	Cat 5e, IDC Tool-less Jack, White
45-5837	3	Cat 5e, IDC Tool-less Jack, Ivory
45-5838	3	Cat 5e, IDC Tool-less Jack, Light Almond
45-5839	3	Cat 5e, IDC Tool-less Jack, Gray
45-5840	3	Cat 5e, 90°, 110 Punchdown Jack, Light Almond

Retail Part No.	Quantity per Program	Description
45-5841	3	Cat 5e 90° Pushdown Jack, Gray
45-5971	3	Décor Wall Plate Insert, 1 Gang, 1 Port, White
45-5972	3	Décor Wall Plate Insert, 1 Gang, 2 Port, White
45-5973	3	Décor Wall Plate Insert, 1 Gang, 3 Port, White
45-5974	3	Décor Trim Plate, 1 Gang, 1 Port, White
75-2053-R	1	3' Display Rack
49-449-10R	80	4" Hooks
75-3001-5R	4	2 Brackets
75-3001-6R	4	2 Sided Tape
49-5533-3	1	Reorder Card Set
GC-PKRM-7839	1	Packing List and Round Map
GC-OHDR-7852	1	3' Datacom Header

DATACOM PROGRAMS (Cont.)

- Keystone Datacom Wall Plates Program 49-5534
- 44 Datacom Part Numbers
- 4 Foot Program
- Wall Plates, Testers

Datacom



Display Rack Part No.49-5534

DATACOM PROGRAMS (Cont.)

- Keystone Datacom Wall Plates Program 49-5534
- 44 Datacom Part Numbers
- 4 Foot Program
- Wall Plates, Testers

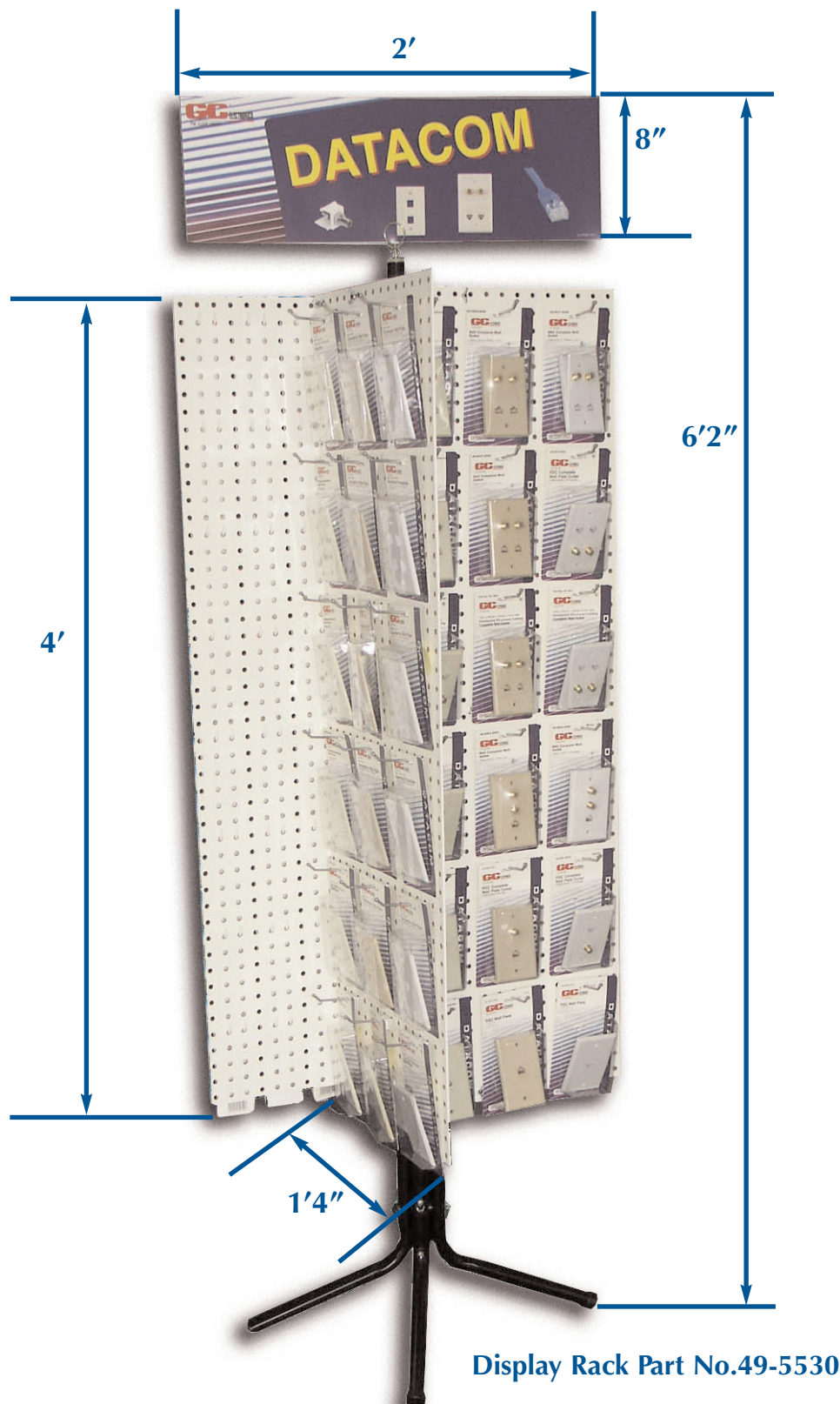
Program Contents

Retail Part No.	Quantity per Program	Description
45-921	3	Standard Wall Plate, Single Gang, 1 Port, Stainless Steel
45-923	3	Standard Wall Plate, Single Gang, 2 Port, Stainless Steel
45-925	3	Standard Wall Plate, Single Gang, 3 Port, Stainless Steel
45-931	3	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, White
45-933	3	Standard Wall Plate, Single Gang, 3 Port, Ivory
45-934	3	Standard Wall Plate, Single Gang, 4 Port, Ivory
45-936	3	Standard Wall Plate, Single Gang, 6 Port, Ivory
45-937	3	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, White
45-938	3	Standard Wall Plate, Single Gang, 2 Port, Ivory
45-940	3	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, Ivory
45-947	3	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, White
45-950	3	Standard Wall Plate, Single Port, Ivory
45-951	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, White
45-952	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, Ivory
45-953	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, Light Almond
45-954	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, White
45-955	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, Ivory
45-956	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, Light Almond
45-957	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, Ivory
45-958	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, White
45-959	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, Light Almond
45-970	3	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, Light Almond
45-976	3	Standard Wall Plate, Single Gang, 6 Port, Light Almond
45-977	3	Standard Wall Plate, Single Gang, 4 Port, Light Almond
45-978	3	Standard Wall Plate, Single Gang, 3 Port, Light Almond
45-979	3	Standard Wall Plate, Single Gang, 2 Port, Light Almond
45-980	3	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, Light Almond
45-983	3	Standard Wall Plate, Single Gang, 1 Port, Light Almond
45-994	3	Standard Wall Plate, Blank, White
45-995	3	Standard Wall Plate, Blank, Ivory
45-996	3	Standard Wall Plate, Blank, Light Almond
45-1601	3	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, White
45-1602	3	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, Ivory
45-1603	3	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, Light Almond
45-1615	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 3/4, 6P6C, White
45-1616	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 3/4, 6P6C, Ivory
45-1617	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 3/4, 6P6C, Light Almond
45-5633	3	Standard Wall Plate, Single Gang, 1 Port, White
45-5634	3	Standard Wall Plate, Single Gang, 2 Port, White
45-5635	3	Standard Wall Plate, Single Gang, 3 Port, White
45-5636	3	Standard Wall Plate, Single Gang, 4 Port, White
45-5637	3	Standard Wall Plate, Single Gang, 6 Port, White
45-5767	2	Lan Test Kit
45-5768	2	Multi-Network Test Kit
75-2055-R	1	4' Display Rack
49-449-10R	50	4" Hooks
49-5534-3	1	Reorder Card Set
75-3001-5R	4	L Brackets
75-3001-6R	4	2 Sided Tape
GC-PKRM-7840	1	Packing List and Road Map
GC-OHDR-7853	1	4' Datacom Header

DATACOM PROGRAMS (Cont.)

- Keystone Datacom Wall Plates and Jacks Program 49-5530
- 99 Datacom Part Numbers
- Spinner Program
- Wall Plates, Jacks

Datacom



DATACOM PROGRAMS (Cont.)

- Keystone Datacom Wall Plates and Jacks Program 49-5530
- Spinner Program

- 99 Datacom Part Numbers
- Wall Plates, Jacks

Program Contents

Retail Part No.	Quantity per Program	Description
45-931	3	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, White
45-933	3	Standard Wall Plate, Single Gang, 3 Port, Ivory
45-934	3	Standard Wall Plate, Single Gang, 4 Port, Ivory
45-936	3	Standard Wall Plate, Single Gang, 6 Port, Ivory
45-937	3	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, White
45-938	3	Standard Wall Plate, Single Gang, 2 Port, Ivory
45-940	3	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, Ivory
45-942	3	Wall Plate Insert, Blank, Ivory
45-944	3	Wall Plate Insert, "F" Empty, Ivory
45-944W	3	Wall Plate Insert, "F" Empty, White
45-945	3	Wall Plate Insert, BNC Empty, Ivory
45-947	3	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, White
45-950	3	Standard Wall Plate, Single Port, Ivory
45-951	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, White
45-952	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, Ivory
45-953	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, Light Almond
45-954	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, White
45-955	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, Ivory
45-956	3	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, Light Almond
45-957	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, Ivory
45-958	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, White
45-959	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, Light Almond
45-964	3	Wall Plate Insert, Fiber Optic St/St, White
45-965	3	Wall Plate Insert, Fiber Optic St/St, Ivory
45-966	3	Wall Plate Insert, Fiber Optic St/St, Light Almond
45-970	3	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, Light Almond
45-971	3	Décor Wall Insert, 1 Gang, 1 Port, Ivory
45-972	3	Décor Wall Insert, 1 Gang, 2 Port, Ivory
45-973	3	Décor Wall Insert, 1 Gang, 3 Port, Ivory
45-974	3	Décor Trim Plate, 1 Gang, 1 Port, Ivory
45-976	3	Standard Wall Plate, Single Gang, 6 Port, Light Almond
45-977	3	Standard Wall Plate, Single Gang, 4 Port, Light Almond
45-978	3	Standard Wall Plate, Single Gang, 3 Port, Light Almond
45-979	3	Standard Wall Plate, Single Gang, 2 Port, Light Almond
45-980	3	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, Light Almond
45-983	3	Standard Wall Plate, Single Gang, 1 Port, Light Almond
45-990	3	Wall Plate Insert, Blank, Light Almond
45-991	3	Wall Plate Insert, "F" (AV), White
45-992	3	Wall Plate Insert, "F" (AV), Ivory
45-993	3	Wall Plate Insert, "F" (AV), Light Almond
45-994	3	Standard Wall Plate, Blank, White
45-995	3	Standard Wall Plate, Blank, Ivory
45-996	3	Standard Wall Plate, Blank, Light Almond
45-1601	3	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, White
45-1602	3	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, Ivory
45-1603	3	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, Lt. Almond
45-1615	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 3/4, 6P6C, White
45-1616	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 3/4, 6P6C, Ivory
45-1617	3	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 3/4, 6P6C, Light Almond
45-5500	3	Cat 5e IDC Lever LoQ, Black
45-5501	3	Cat 5e IDC Lever LoQ, Light Almond
45-5502	3	Cat 5e IDC Lever LoQ, Red
45-5503	3	Cat 5e IDC Lever LoQ, Orange
45-5504	3	Cat 5e IDC Lever LoQ, Yellow
45-5505	3	Cat 5e IDC Lever LoQ, Green
45-5506	3	Cat 5e IDC Lever LoQ, Blue
45-5507	3	Cat 5e IDC Lever LoQ, Ivory
45-5508	3	Cat 5e IDC Lever LoQ, Gray
45-5509	3	Cat 5e IDC Lever LoQ, White
45-5520	3	Cat 6 IDC Lever LoQ, Black
45-5521	3	Cat 6 IDC Lever LoQ, Light Almond
45-5522	3	Cat 6 IDC Lever LoQ, Red
45-5523	3	Cat 6 IDC Lever LoQ, Orange
45-5524	3	Cat 6 IDC Lever LoQ, Yellow
45-5525	3	Cat 6 IDC Lever LoQ, Green
45-5526	3	Cat 6 IDC Lever LoQ, Blue
45-5527	3	Cat 6 IDC Lever LoQ, Ivory

For the latest information—www.gcelectronics.com

All quantities are single; BU's are packages of 10 Unless otherwise noted.

DATACOM PROGRAMS (Cont.)

- Keystone Datacom Wall Plates and Jacks Program 49-5530
- Spinner Program
- 99 Datacom Part Numbers
- Wall Plates, Jacks

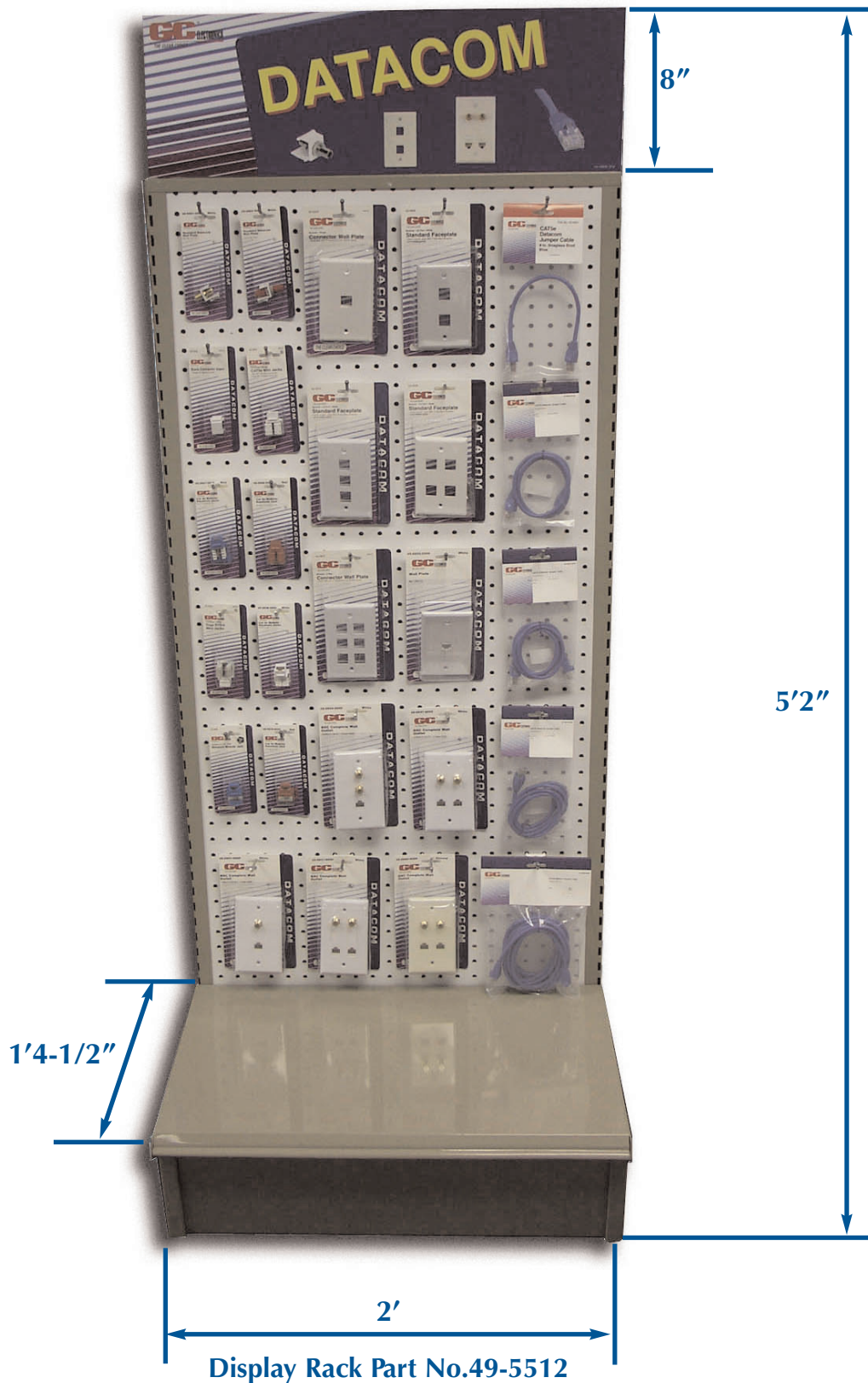
Program Contents (Continued)

Retail Part No.	Quantity per Program	Description
45-5528	3	Cat 6 IDC Lever LoQ, Gray
45-5529	3	Cat 6 IDC Lever LoQ, White
45-5556	3	Cat 5e, 90°, 110 Punchdown Jack, Yellow
45-5557	3	Cat 5e, 90°, 110 Punchdown Jack, Blue
45-5558	3	Cat 5e, 90°, 110 Punchdown Jack, Red
45-5559	3	Cat 5e, 90°, 110 Punchdown Jack, Green
45-5560	3	Cat 5e, 90°, 110 Punchdown Jack, Black
45-5561	3	Cat 5e, 90°, 110 Punchdown Jack, Orange
45-5562	3	Cat 5e, 90°, 110 Punchdown Jack, Ivory
45-5569	3	Cat 5e, 90°, 110 Punchdown Jack, White
45-5575	3	Cat 5e, IDC Tool-less Jack, Orange
45-5576	3	Cat 5e, IDC Tool-less Jack, Yellow
45-5577	3	Cat 5e, IDC Tool-less Jack, Black
45-5578	3	Cat 5e, IDC Tool-less Jack, Red
45-5579	3	Cat 5e, IDC Tool-less Jack, Green
45-5633	3	Standard Wall Plate, Single Gang, 1 Port, White
45-5634	3	Standard Wall Plate, Single Gang, 2 Port, White
45-5635	3	Standard Wall Plate, Single Gang, 3 Port, White
45-5636	3	Standard Wall Plate, Single Gang, 4 Port, White
45-5637	3	Standard Wall Plate, Single Gang, 6 Port, White
45-5638	3	Wall Plate Insert, Blank, White
45-5680	3	Cat 5e, IDC Tool-less Jack, Blue
45-5836	3	Cat 5e, IDC Tool-less Jack, White
45-5837	3	Cat 5e, IDC Tool-less Jack, Ivory
45-5838	3	Cat 5e, IDC Tool-less Jack, Light Almond
45-5839	3	Cat 5e, IDC Tool-less Jack, Gray
45-5840	3	Cat 5e, 90°, 110 Punchdown Jack, Light Almond
45-5841	3	Cat 5e, 90°, 110 Punchdown Jack, Gray
45-5971	3	Décor Wall Plate Insert, 1 Gang, 1 Port, White
45-5972	3	Décor Wall Plate Insert, 1 Gang, 2 Port, White
45-5973	3	Décor Wall Plate Insert, 1 Gang, 3 Port, White
45-5974	3	Décor Wall Plate Insert, 1 Gang, 4 Port, White
75-2040-R	1	Rotary Display Rack
49-512-10R	105	6" Hooks
45-5530-3	1	Reorder Card Set
GC-PKRM-7834	1	Packing List and Road Map
GC-OHDR-7854-1	1	2' Double-Sided Header

DATACOM PROGRAMS (Cont.)

- Datacom Network Components Economy Program 49-5512
- 26 Datacom Part Numbers
- 2 Foot Program
- Wall Plates, Inserts, Jumper Cables

Datacom



DATACOM PROGRAMS (Cont.)

- Datacom Network Components Economy Program 49-5512
- 26 Datacom Part Numbers
- 2 Foot Program
- Wall Plates, Inserts, Jumper Cables

Program Contents

Retail Part No.	Quantity per Program	Description
45-931	6	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, White
45-937	6	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, White
45-951	6	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, White
45-954	6	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, White
45-958	6	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, White
45-964	6	Wall Plate Insert, Fiber Optic St/St, White
45-991	6	Wall Plate Insert, "F" (AV), White
45-5557	6	Cat 5e, 90°, 110 Punchdown Jack, Blue
45-5558	6	Cat 5e, 90°, 110 Punchdown Jack, Red
45-5569	6	Cat 5e, 90°, 110 Punchdown Jack, White
45-5578	6	Cat 5e, IDC Tool-less Jack, Red
45-5633	6	Standard Wall Plate, Single Gang, 1 Port, White
45-5634	6	Standard Wall Plate, Single Gang, 2 Port, White
45-5635	6	Standard Wall Plate, Single Gang, 3 Port, White
45-5636	6	Standard Wall Plate, Single Gang, 4 Port, White
45-5637	6	Standard Wall Plate, Single Gang, 6 Port, White
45-5638	6	Wall Plate Insert, Blank, White
45-5680	6	Cat 5e, IDC Tool-less Jack, Blue
45-5836	6	Cat 5e, IDC Tool-less Jack, White
45-6759	6	Cat 6, 90°, 110 Jack, White
45-6857	6	Cat 5e Jumper Cable, 8' Snagless, Blue
45-6858	6	Cat 5e Jumper Cable, 2' Snagless, Blue
45-6859	6	Cat 5e Jumper Cable, 4' Snagless, Blue
45-6860	6	Cat 5e Jumper Cable, 3' Snagless, Blue
45-6867	6	Cat 5e Jumper Cable, 7' Snagless, Blue
45-6868	6	Cat 5e Jumper Cable, 14' Snagless, Blue
75-2050-R	1	2' Display Rack
49-5512-3	1	Reorder Card Set
49-449-10R	30	4" Hooks
GC-HDR-7854	1	2' Header
75-3001-5R	2	L Brackets
75-3001-6R	2	2 Sided Tape (5/8" x 8")
GC-PKRM-7806	1	Packing List and Road Map

DATACOM PROGRAMS (Cont.)

- Datacom Bulk Program 49-5540
- 47 Datacom Part Numbers
- 4 Foot Program
- Wall Plates, Inserts, Jacks

Datacom



- Dacom Bulk Program 49-5540
- 47 Dacom Part Numbers
- 4 Foot Program
- Wall Plates, Inserts, Jacks

Program Contents

Retail Part No.	Quantity per Program	Description
45-270-BU	20	Metal Wall Plate Mounting Bracket
45-931-BU	20	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, White
45-933-BU	20	Standard Wall Plate, Single Gang, 3 Port, Ivory
45-934-BU	20	Standard Wall Plate, Single Gang, 4 Port, Ivory
45-936-BU	20	Standard Wall Plate, Single Gang, 6 Port, Ivory
45-937-BU	20	RSC Wall Plate, Preloaded, 4 Port, 2 Cat 5e, 2(AV)F, White
45-938-BU	20	Standard Wall Plate, Single Gang, 2 Port, Ivory
45-940-BU	20	RSC Wall Plate, Preloaded, 6 Port, 2 Cat 5e, 2(AV)F, 2 Blank, Ivory
45-942-BU	20	Wall Plate Insert, Blank, Ivory
45-944-BU	20	Wall Plate Insert, "F" Empty, Ivory
45-950-BU	20	Standard Wall Plate, Single Port, Ivory
45-951-BU	20	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, White
45-952-BU	20	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 1(AV)F, Ivory
45-953-BU	20	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, White
45-954-BU	20	RSC Wall Plate, Preloaded, Standard, 1 Cat 5e, 2(AV)F, Ivory
45-958-BU	20	RSC Wall Plate, Preloaded, 1 Port, 1 Cat 5e, Ivory
45-1601-BU	20	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, White
45-1602-BU	20	RSC Wall Plate, Preloaded, 4 Port, 1 Cat 3/4, 1 Cat 5e, 2(AV)F, Ivory
45-5500-BU	20	Cat 5e IDC Lever LoQ, Black
45-5502-BU	20	Cat 5e IDC Lever LoQ, Red
45-5503-BU	20	Cat 5e IDC Lever LoQ, Orange
45-5504-BU	20	Cat 5e IDC Lever LoQ, Yellow
45-5505-BU	20	Cat 5e IDC Lever LoQ, Green
45-5506-BU	20	Cat 5e IDC Lever LoQ, Blue
45-5507-BU	20	Cat 5e IDC Lever LoQ, Ivory
45-5508-BU	20	Cat 5e IDC Lever LoQ, Gray
45-5509-BU	20	Cat 5e IDC Lever LoQ, White
45-5520-BU	20	Cat 6 IDC Lever LoQ, Black
45-5522-BU	20	Cat 6 IDC Lever LoQ, Red
45-5523-BU	20	Cat 6 IDC Lever LoQ, Orange
45-5524-BU	20	Cat 6 IDC Lever LoQ, Yellow
45-5525-BU	20	Cat 6 IDC Lever LoQ, Green
45-5526-BU	20	Cat 6 IDC Lever LoQ, Blue
45-5527-BU	20	Cat 6 IDC Lever LoQ, Ivory
45-5528-BU	20	Cat 6 IDC Lever LoQ, Gray
45-5529-BU	20	Cat 6 IDC Lever LoQ, White
45-5577-BU	20	Cat 5e, IDC Tool-less Jack, Black
45-5612-BU	20	Cat 5e, Single Surface Jack, White
45-5614-BU	20	Cat 5e, Single Surface Jack, Ivory
45-5615-BU	20	Cat 5e, Dual Surface Jack, White
45-5616-BU	20	Cat 5e, Dual Surface Jack, Ivory
45-5634-BU	20	Standard Wall Plate, Single Gang, 2 Port, White
45-5635-BU	20	Standard Wall Plate, Single Gang, 3 Port, White
45-5636-BU	20	Standard Wall Plate, Single Gang, 4 Port, White
45-5638-BU	20	Wall Plate Insert, Blank, White
45-5836-BU	20	Cat 5e, IDC Tool-less Jack, White
45-5837-BU	20	Cat 5e, IDC Tool-less Jack, Ivory
75-2055-R	1	Display Rack
75-3001-5R	4	L Brackets
75-3001-6R	4	2 Sided Tape
49-430-2R	2	2 Piece Shelf Set
GC-PKRM-7842	1	Packing List and Road Map
GC-0HDR-7853	1	4' Dacom Header

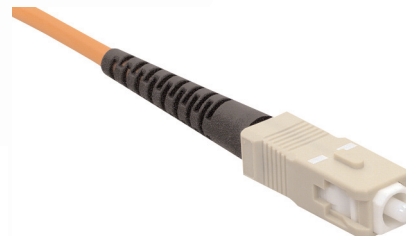
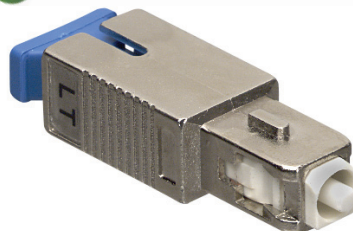
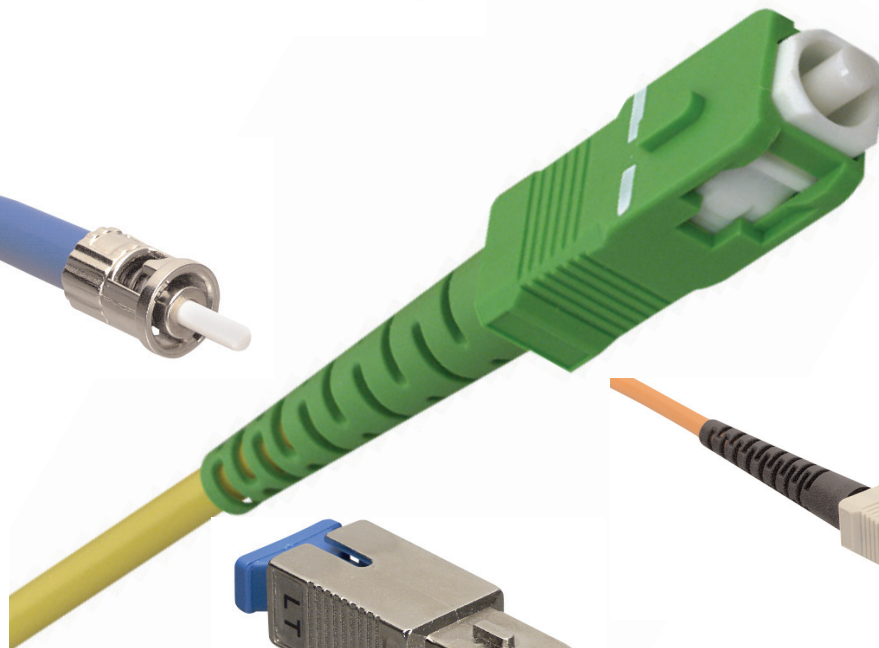
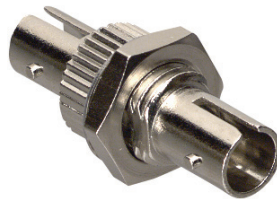
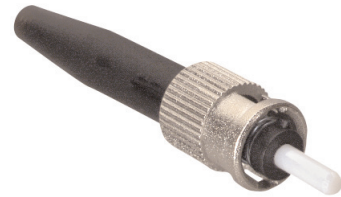
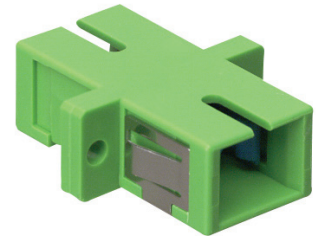
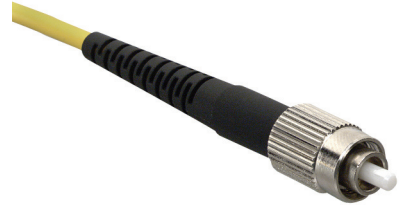
NOTES



FIBER OPTICS

Contents:

- Construction of Fiber Optic Cables p146
- Methods of Transmission p146
- Fiber Optics Connectors and Splices p147
- Multimode Patchcords p147
- Singlemode Physical Contact Patchcords p148
- Singlemode Angled Physical Contact Patchcords p148
- Adapters p149
- Connectors p149
- Heat Shrink Splice Connectors p149
- Fiber Optic Cleaner & Cable p149
- Notes p150



FIBER OPTICS

What are the basic differences between copper and fiber transmission systems:

- Copper cabling uses electricity to transmit signals of both analog and digital data.
- Fiber optics uses digital pulses of light to transmit data.

The same result? Not quite. Copper inherently has greater signal loss at higher frequencies resulting in minimal bandwidth or data communication capacity. Fiber can carry very high frequencies with minimal loss offering much greater bandwidth. When the first Trans-Atlantic fiber optic telephone cable was installed in the late 1980's, it carried approximately 38,000 simultaneous voice conversations. In contrast, the best Trans-Atlantic copper system carried only 4,200 conversations-90 percent less than fiber!

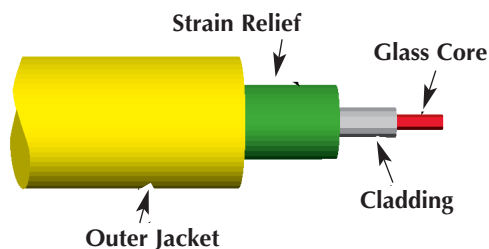
Specific Customer Base

- 3400 CATV systems.
- Installers and services of LAN systems (Local Area Network).
- Universities and trade schools who offer fiber optic courses and training.
- Hospitals and medical facilities.

General Customer Base

A significant number of small to medium size corporations will have begun the transition via LAN and WAN (Wide Area Networks). Only fiber optics can support the speed of data transmission that is necessary.

CONSTRUCTION OF A FIBER OPTIC CABLE



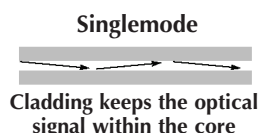
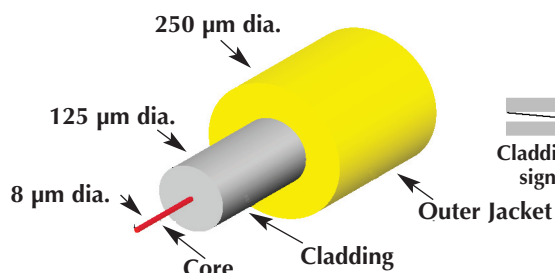
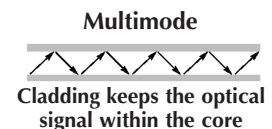
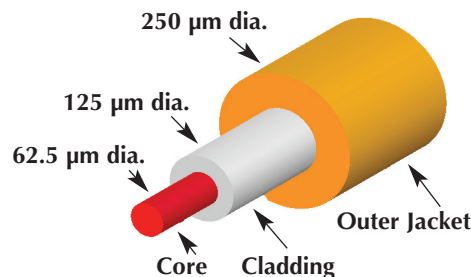
- Glass core carries the light
- Cladding surrounds the core and reflects the light
- Strain relief-kevlar fibers for strength
- Outer jacket

Cable Types

- **Simplex** cables, a single fiber core allows only one-way data communication.
- **Duplex** cables, contain two fiber cores allows two-way data communication.
- **Multifiber** cables, contain more than two fibers. The fibers are in duplex pairs allowing two-way data transmission. A 30 fiber cable contains 15 duplex pairs.

Multimode

- Favored in LAN systems.
- Large diameter fiber core, 62.5 micron core typical.
- Short distance applications, having a distance limitation of 2000m (6,560 ft.)
- Is the most common for backbones within buildings and campus environments.
- Generally utilizes a light-emitting diode (LED) light source.
- Cable color-orange.



Singlemode

- Favored in Telco and CATV applications.
- Small diameter fiber core, 8 micron core is typical.
- Long distance applications may be used for distances up to 3000 m (9,840 ft.)
- Normally uses a laser-light source.
- Cable color-yellow.

Connector Types

Multimode

SC: Push/pull mechanics. Square plastic body latches by pushing into place. Most popular multimode type. Color-beige.

ST: Bayonet style, twist to latch in place. Round body early design by AT&T. Color-beige.

Singlemode

SC: Differs from SC multimode in color and endface geometry. Most popular singlemode type.

FC: Screw on early type. Difficult to attach and remove.

Note: Single mode connectors differ from similar multimode types in that the angle of the contact endface geometry varies.

The types are:

- Physical Contact (PC), Color-blue.
- Ultra Physical Contact (UPC), Color-blue.
- Angled Physical Contact (APC), Color-green.

Splices

Two basic types are in wide use.

1. Mechanical. Mechanical splices attach the two cable ends using a clamp and/or epoxy.

2. Fusion. Melts the two fiber ends together.

MULTIMODE PATCHCORDS

Preferred in Datacom Applications

Simplex



Fig. 1



Fig. 2

Duplex



Fig. 3



Fig. 4

Simplex

Retail Part No.	Figure Number	Description
45-6100	1	SC/MM to SC/MM, 1 Meter
45-6101	1	SC/MM to SC/MM, 3 Meter
45-6102	1	SC/MM to SC/MM, 5 Meter
45-6103	1	SC/MM to SC/MM, 10 Meter
45-6112	2	ST/MM to ST/MM, 5 Meter
45-6113	2	ST/MM to ST/MM, 10 Meter
45-6117	1 & 2	ST/MM to SC/MM, 1 Meter
45-6118	1 & 2	ST/MM to SC/MM, 3 Meter

Duplex

Retail Part No.	Figure Number	Description
45-6120	3	SC/MM to SC/MM, 1 Meter
45-6122	3	SC/MM to SC/MM, 5 Meter
45-6123	3	SC/MM to SC/MM, 10 Meter
45-6126	4	ST/MM to ST/MM, 1 Meter
45-6127	4	ST/MM to ST/MM, 3 Meter
45-6129	4	ST/MM to ST/MM, 10 Meter
45-6135	3 & 4	ST/MM to SC/MM, 1 Meter

SINGLEMODE PHYSICAL CONTACT PATCHCORDS

Preferred in Telecom Applications



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Singlemode Physical Contact Patchcords

Retail Part No.	Figure Number	Description
45-6141	1	SC/PC to SC/PC, 3mm Fiber, 5 Meter
45-6145	2	FC/PC to FC/PC, 3mm Fiber, 3 Meter
45-6146	2	FC/PC to FC/PC, 3mm Fiber, 5 Meter
45-6150	3	SC/PC to FC/PC, 3mm Fiber, 3 Meter
45-6151	4	SC/PC to FC/PC, 3mm Fiber, 5 Meter

SINGLEMODE ANGLED PHYSICAL CONTACT PATCHCORDS

Preferred in Telecom Applications



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Singlemode Angled Physical Contact Patchcords

Retail Part No.	Figure Number	Description
45-6160	5	SC/APC to SC/APC, 3mm Fiber, 3 Meter
45-6161	5	SC/APC to SC/APC, 3mm Fiber, 5 Meter
45-6165	6	FC/APC to FC/APC, 3mm Fiber, 3 Meter
45-6166	6	FC/APC to FC/APC, 3mm Fiber, 5 Meter
45-6167	7 & 8	SC/APC to FC/APC, 3mm Fiber, 3 Meter
45-6168	7 & 8	SC/APC to FC/APC, 3mm Fiber, 5 Meter

ADAPTERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Adapters

Retail Part No.	Figure Number	Description
45-6201	1	SC/APC to SC/APC
45-6202	2	FC/PC to FC/PC
45-6203	2	FC/APC to FC/APC
45-6205	3	ST/MM to ST/MM
45-6206	4	SC/MM to SC/MM
45-6210	5	Duplex SC/MM to SC/MM

CONNECTORS, SC, ST, FC, AND APC TYPE



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Connectors, SC, ST, FC, and APC Type

Retail Part No.	Figure Number	Description
45-6170	6	SC Multimode, Zirconia
45-6171	7	ST Multimode, Zirconia
45-6172	7	SC Singlemode, Zirconia
45-6173	8	ST Singlemode, Zirconia
45-6174	9	FC Singlemode, Zirconia
45-6175	10	SC/APC SC 5-12mm, Radius 8°
45-6176	11	FC/APC FC 5-12mm, Radius 8°

HEAT SHRINK SPLICE PROTECTORS



Fig. 12

Heat Shrink Splice Protectors

Retail Part No.	Figure Number	Description
45-6180	12	61mm Fusion splice protectors, 1mm pin
45-6181	12	45mm Fusion splice protectors, 1mm pin
45-6182	12	35mm Fusion splice protectors, 1mm pin
45-6183	12	61mm Fusion splice protectors, 1.5mm pin
45-6184	12	40mm Fusion splice protectors, 1.5mm pin



Fig. 13



Fig. 14

Fiber Optic Cleaner & Cable

Retail Part No.	Figure Number	Description
45-6215	13	Cable Cleaner with Cassette, 400 Cleanings
45-6155	14	Unterminated Cable Singlemode Simplex, 3mm yellow, 15m
45-6156	14	Unterminated Cable Singlemode Simplex, 3mm yellow, 30m



HARDWARE

Contents:

- Screws p152-155
- Washers p156-157
- Nuts p158
- Wire Connectors p159
- Bushings p159
- Solderless Terminals p160-161
- Grommet and Hole Plug Kits p162
- Vinyl Grommets p163
- Rubber Grommets p163
- Hole Plugs p163
- Knobs p164-166



SCREWS

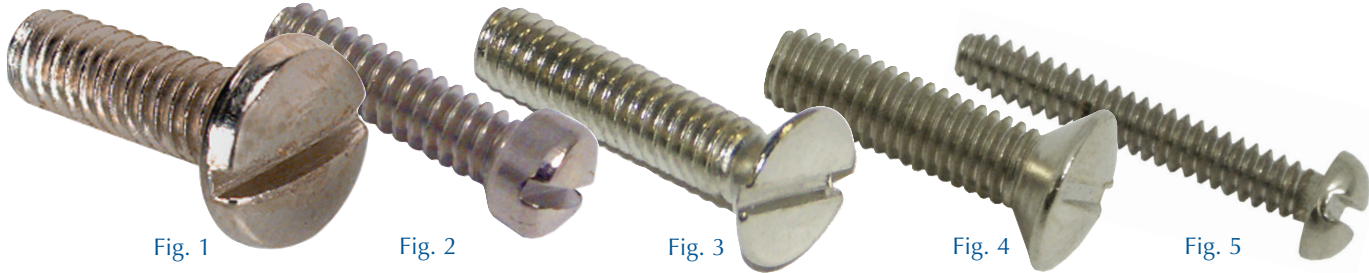


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Steel-Nickel Plated Machine Screws

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (Inches)	Head (Style)
KF-020	25	F-020-25P	25	F-020-C	100	1	SAE Machine Screws-Steel-Nickel Plated	4/40	1/4	Binder
KF-021	25	F-021-25P	25	F-021-C	100	1	SAE Machine Screws-Steel-Nickel Plated	4/40	1/2	Binder
KF-022	25	F-022-25P	25	F-022-C	100	1	SAE Machine Screws-Steel-Nickel Plated	4/40	3/4	Binder
KF-023	20	F-023-25P	25	F-023-C	100	1	SAE Machine Screws-Steel-Nickel Plated	8/32	1/4	Binder
KF-024	20			F-024-C	100	1	SAE Machine Screws-Steel-Nickel Plated	8/32	3/8	Binder
KF-025	20	F-025-25P	25	F-025-C	100	1	SAE Machine Screws-Steel-Nickel Plated	8/32	1/2	Binder
KF-026	20	F-026-25P	25	F-026-C	100	1	SAE Machine Screws-Steel-Nickel Plated	8/32	3/4	Binder
KF-502	25			F-502-C	100	1	SAE Machine Screws-Steel-Nickel Plated	6/32	3/16	Binder
KF-503	25	F-503-25P	25	F-503-C	100	1	SAE Machine Screws-Steel-Nickel Plated	6/32	1/4	Binder
KF-504	20			F-504-C	100	1	SAE Machine Screws-Steel-Nickel Plated	6/32	3/8	Binder
KF-505	20			F-505-C	100	1	SAE Machine Screws-Steel-Nickel Plated	8/32	5/16	Binder
KF-577	15	F-577-25P	25	F-577-C	100	1	SAE Machine Screws-Steel-Nickel Plated	10/32	1/2	Binder
KF-578	15	F-578-25P	25	F-578-C	100	1	SAE Machine Screws-Steel-Nickel Plated	10/32	3/4	Binder
KF-591	25	F-591-25P	25	F-591-C	100	1	SAE Machine Screws-Steel-Nickel Plated	2/56	1/8	Binder
KF-592	25	F-592-25P	25	F-592-C	100	1	SAE Machine Screws-Steel-Nickel Plated	2/56	1/4	Binder
KF-593	25	F-593-25P	25	F-593-C	100	1	SAE Machine Screws-Steel-Nickel Plated	2/56	1/2	Binder
KF-594	20			F-594-C	100	1	SAE Machine Screws-Steel-Nickel Plated	2/56	5/8	Binder
KF-621	20			F-621-C	100	1	SAE Machine Screws-Steel-Nickel Plated	6/32	5/8	Binder
				F-612-C	100	2	SAE Machine Screws-Steel-Nickel Plated	6/32	1/2	Fillister
				F-617-C	100	2	SAE Machine Screws-Steel-Nickel Plated	10/32	1/2	Fillister
KF-622	25			F-622-C	100	3	SAE Machine Screws-Steel-Nickel Plated	4/40	1/4	Flat
KF-623	15			F-623-C	100	3	SAE Machine Screws-Steel-Nickel Plated	4/40	3/8	Flat
KF-624	25			F-624-C	100	3	SAE Machine Screws-Steel-Nickel Plated	4/40	1/2	Flat
KF-625	25			F-625-C	100	3	SAE Machine Screws-Steel-Nickel Plated	6/32	1/4	Flat
KF-627	20			F-627-C	100	3	SAE Machine Screws-Steel-Nickel Plated	6/32	1/2	Flat
KF-628	20			F-628-C	100	3	SAE Machine Screws-Steel-Nickel Plated	6/32	3/4	Flat
KF-629	20			F-629-C	100	3	SAE Machine Screws-Steel-Nickel Plated	8/32	3/8	Flat
KF-630	20			F-630-C	100	3	SAE Machine Screws-Steel-Nickel Plated	8/32	1/2	Flat
KF-631	20			F-631-C	100	3	SAE Machine Screws-Steel-Nickel Plated	8/32	3/4	Flat
KF-632	15			F-632-C	100	3	SAE Machine Screws-Steel-Nickel Plated	10/32	1/2	Flat
KF-506	20			F-506-C	100	4	SAE Machine Screws-Steel-Nickel Plated	6/32	1/2	Oval
KF-507	15			F-507-C	100	4	SAE Machine Screws-Steel-Nickel Plated	6/32	3/4	Oval
KF-508	15			F-508-C	100	4	SAE Machine Screws-Steel-Nickel Plated	8/32	3/4	Oval
KF-509	15			F-509-C	100	4	SAE Machine Screws-Steel-Nickel Plated	10/32	1/2	Oval
KF-510	15			F-510-C	100	4	SAE Machine Screws-Steel-Nickel Plated	10/32	3/4	Oval
KF-461	25	F-461-25P	25	F-461-C	100	5	SAE Machine Screws-Steel-Nickel Plated	2/56	1/4	Round
KF-462	25	F-462-25P	25	F-462-C	100	5	SAE Machine Screws-Steel-Nickel Plated	2/56	1/2	Round
KF-463	25	F-463-25P	25	F-463-C	100	5	SAE Machine Screws-Steel-Nickel Plated	2/56	3/4	Round
KF-464	25			F-464-C	100	5	SAE Machine Screws-Steel-Nickel Plated	3/48	3/4	Round
KF-465	25			F-465-C	100	5	SAE Machine Screws-Steel-Nickel Plated	4/36	1/4	Round
KF-466	25			F-466-C	100	5	SAE Machine Screws-Steel-Nickel Plated	4/36	3/8	Round
KF-467	25			F-467-C	100	5	SAE Machine Screws-Steel-Nickel Plated	4/36	1/2	Round
KF-468	15			F-468-C	100	5	SAE Machine Screws-Steel-Nickel Plated	4/36	3/4	Round
KF-469	25	F-469-25P	25	F-469-C	100	5	SAE Machine Screws-Steel-Nickel Plated	4/40	1/4	Round
KF-470	25	F-470-25P	25	F-470-C	100	5	SAE Machine Screws-Steel-Nickel Plated	4/40	1/2	Round
KF-471	25	F-471-25P	25	F-471-C	100	5	SAE Machine Screws-Steel-Nickel Plated	4/40	3/4	Round
KF-472	25	F-472-25P	25	F-472-C	100	5	SAE Machine Screws-Steel-Nickel Plated	6/32	1/4	Round
KF-473	25	F-473-25P	25	F-473-C	100	5	SAE Machine Screws-Steel-Nickel Plated	6/32	1/2	Round
KF-474	20	F-474-25P	25	F-474-C	100	5	SAE Machine Screws-Steel-Nickel Plated	6/32	3/4	Round
KF-475	20			F-475-C	100	5	SAE Machine Screws-Steel-Nickel Plated	6/32	1	Round
KF-476	15			F-476-C	100	5	SAE Machine Screws-Steel-Nickel Plated	6/32	1-1/4	Round
KF-477	15			F-477-C	100	5	SAE Machine Screws-Steel-Nickel Plated	6/32	2	Round
KF-478	20	F-478-25P	25	F-478-C	100	5	SAE Machine Screws-Steel-Nickel Plated	8/32	1/4	Round
KF-479	20			F-479-C	100	5	SAE Machine Screws-Steel-Nickel Plated	8/32	3/8	Round
KF-480	20	F-480-25P	25	F-480-C	100	5	SAE Machine Screws-Steel-Nickel Plated	8/32	1/2	Round
KF-481	20	F-481-25P	25	F-481-C	100	5	SAE Machine Screws-Steel-Nickel Plated	8/32	3/4	Round
KF-482	15			F-482-C	100	5	SAE Machine Screws-Steel-Nickel Plated	8/32	1	Round
KF-483	15			F-483-C	100	5	SAE Machine Screws-Steel-Nickel Plated	8/32	1-1/4	Round

SCREWS (Cont.)

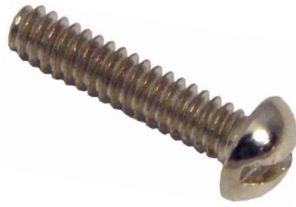


Fig. 1



Fig. 2

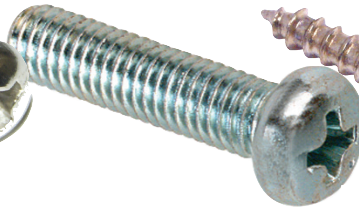


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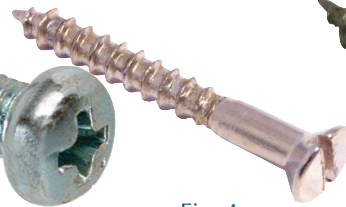


Fig. 4



Fig. 5

Steel-Nickel Plated Machine Screws (Continued)

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (Inches)	Head (Style)
KF-484	15	F-484-25P	25	F-484-C	100	1	SAE Machine Screws–Steel-Nickel Plated	10/32	1/2	Round
KF-485	15	F-485-25P	25	F-485-C	100	1	SAE Machine Screws–Steel-Nickel Plated	10/32	3/4	Round
KF-486	15			F-486-C	100	1	SAE Machine Screws–Steel-Nickel Plated	10/32	1	Round
KF-487	10			F-487-C	100	1	SAE Machine Screws–Steel-Nickel Plated	10/32	1-1/2	Round
				F-581-C	100	1	SAE Machine Screws–Steel-Nickel Plated	4/40	3/8	Round
				F-582-C	100	1	SAE Machine Screws–Steel-Nickel Plated	4/40	5/8	Round
				F-583-C	100	1	SAE Machine Screws–Steel-Nickel Plated	6/32	3/8	Round
				F-584-C	100	1	SAE Machine Screws–Steel-Nickel Plated	6/32	5/8	Round

Steel-Nickel Plated Machine Screws–SAE Phillips Head

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (Inches)	Head (Style)
				F-494-C	100	2	SAE Phillips Machine Screws–Steel-Nickel Plated	6/32	1/4	Round
				F-018-C	100	2	SAE Phillips Machine Screws–Steel-Nickel Plated	6/32	5/16	Round
				F-496-C	100	2	SAE Phillips Machine Screws–Steel-Nickel Plated	6/32	3/4	Round
				F-019-C	100	2	SAE Phillips Machine Screws–Steel-Nickel Plated	8/32	1/4	Round
				F-499-C	100	2	SAE Phillips Machine Screws–Steel-Nickel Plated	8/32	1/2	Round

Steel-Nickel Plated Machine Screws–Metric Phillips Head

POLYBAG Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (mm)	Head (Style)
FM-203-15P	15	FM-203-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2	3	Pan
FM-205-15P	15	FM-205-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2	5	Pan
FM-210-15P	15	FM-210-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2	10	Pan
FM-220-15P	15	FM-220-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2	20	Pan
FM-251-15P	15	FM-251-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2.5	10	Pan
FM-253-15P	15	FM-253-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2.5	3	Pan
FM-255-15P	15	FM-255-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2.5	5	Pan
FM-256-10P	10	FM-256-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M2.5	16	Pan
FM-304-15P	15	FM-304-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M3	4	Pan
FM-308-15P	15	FM-308-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M3	8	Pan
FM-314-15P	15	FM-314-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M3	14	Pan
FM-320-15P	15	FM-320-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M3	20	Pan
FM-404-5P	5	FM-404-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M4	4	Pan
FM-408-15P	15	FM-408-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M4	8	Pan
FM-414-15P	15	FM-414-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M4	14	Pan
FM-420-15P	15	FM-420-25P	25			3	Metric Phillips Machine Screws–Steel-Nickel Plated	M4	20	Pan

Wood Screws

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (Inches)	Head (Style)
				F-027-C	100	4	SAE Wood Screws–Steel-Nickel Plated	8	1/2	Flat
				F-031-C	100	4	SAE Wood Screws–Steel-Nickel Plated	8	3/4	Flat
				F-032-C	100	4	SAE Wood Screws–Steel-Nickel Plated	8	1-1/4	Flat
				F-040-C	100	4	SAE Wood Screws–Steel-Nickel Plated	4	1/2	Flat
				F-041-C	100	4	SAE Wood Screws–Steel-Nickel Plated	4	1	Flat
				F-043-C	100	4	SAE Wood Screws–Steel-Nickel Plated	6	1	Flat
				F-048-C	100	4	SAE Wood Screws–Steel-Nickel Plated	8	1	Flat
				F-047-C	100	5	SAE Wood Screws–Steel-Nickel Plated	8	1	Round
KF-514	20			F-514-C	100	5	SAE Wood Screws–Steel-Nickel Plated	4	1/2	Round
				F-516-C	100	5	SAE Wood Screws–Steel-Nickel Plated	6	3/4	Round
				F-517-C	100	5	SAE Wood Screws–Steel-Nickel Plated	6	1	Round
KF-518	15			F-518-C	100	5	SAE Wood Screws–Steel-Nickel Plated	8	3/4	Round
KF-519	10					5	SAE Wood Screws–Steel-Nickel Plated	8	1-1/4	Round

SCREWS (Cont.)



Fig. 1

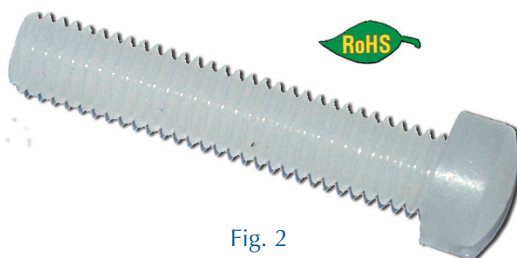


Fig. 2

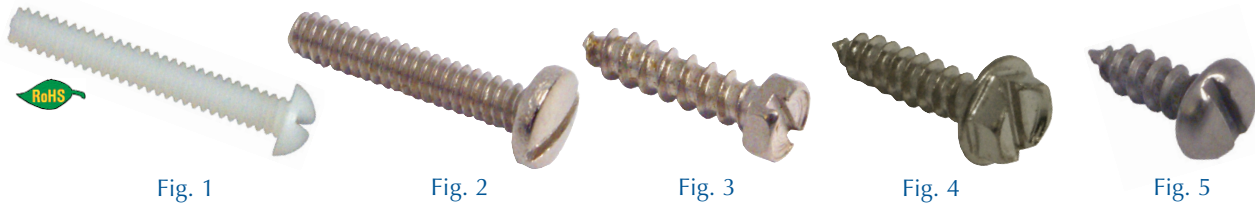


Fig. 3

Nylon Machine Screws

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (Inches)	Head (Style)
KFN-815	10			FN-815-C	100	1	Nylon Machine Screws	2/56	1/4	Binder
KFN-816	10	FN-816-25P	25	FN-816-C	100	1	Nylon Machine Screws	2/56	1/2	Binder
KFN-817	10	FN-817-25P	25	FN-817-C	100	1	Nylon Machine Screws	4/40	1/4	Binder
KFN-818	10	FN-818-25P	25	FN-818-C	100	1	Nylon Machine Screws	4/40	1/2	Binder
KFN-819	10	FN-819-25P	25	FN-819-C	100	1	Nylon Machine Screws	4/40	3/4	Binder
KFN-820	10			FN-820-C	100	1	Nylon Machine Screws	6/32	1/4	Binder
KFN-821	10			FN-821-C	100	1	Nylon Machine Screws	6/32	3/8	Binder
KFN-822	10	FN-822-25P	25	FN-822-C	100	1	Nylon Machine Screws	6/32	1/2	Binder
KFN-823	10			FN-823-C	100	1	Nylon Machine Screws	6/32	5/8	Binder
KFN-824	10	FN-824-25P	25	FN-824-C	100	1	Nylon Machine Screws	6/32	3/4	Binder
KFN-825	10			FN-825-C	100	1	Nylon Machine Screws	8/32	3/8	Binder
KFN-826	10			FN-826-C	100	1	Nylon Machine Screws	8/32	1/2	Binder
KFN-827	10	FN-827-25P	25	FN-827-C	100	1	Nylon Machine Screws	8/32	3/4	Binder
KFN-828	10			FN-828-C	100	1	Nylon Machine Screws	10/32	3/4	Binder
KFN-829	10	FN-829-25P	25	FN-829-C	100	1	Nylon Machine Screws	10/32	1	Binder
		FN-861-25P	25			1	Nylon Machine Screws	10/32	1/4	Binder
		FN-865-25P	25			1	Nylon Machine Screws	10/32	3/4	Binder
		FN-870-25P	25			1	Nylon Machine Screws	2/56	3/4	Binder
		FN-881-25P	25			1	Nylon Machine Screws	10/32	1/2	Binder
		FN-888-25P	25			1	Nylon Machine Screws	4/40	1	Binder
		FN-890-25P	25			1	Nylon Machine Screws	6/32	1/4	Binder
		FN-893-25P	25			1	Nylon Machine Screws	6/32	3/4	Binder
		FN-895-25P	25			1	Nylon Machine Screws	6/32	1	Binder
		FN-897-25P	25			1	Nylon Machine Screws	8/32	1/4	Binder
		FN-899-25P	25			1	Nylon Machine Screws	8/32	1/2	Binder
		FN-901-25P	25			1	Nylon Machine Screws	8/32	3/4	Binder
		FN-903-25P	25			1	Nylon Machine Screws	8/32	1	Binder
				FN-831-C	100	2	Nylon Machine Screws	2/56	1/2	Fillister
				FN-832-C	100	2	Nylon Machine Screws	4/40	1/4	Fillister
KFN-834	10					2	Nylon Machine Screws	4/40	3/4	Fillister
				FN-835-C	100	2	Nylon Machine Screws	6/32	1/4	Fillister
				FN-836-C	100	2	Nylon Machine Screws	6/32	3/8	Fillister
				FN-837-C	100	2	Nylon Machine Screws	6/32	1/2	Fillister
				FN-841-C	100	2	Nylon Machine Screws	8/32	1/2	Fillister
				FN-842-C	100	2	Nylon Machine Screws	8/32	3/4	Fillister
KFN-842	10			FN-843-C	100	2	Nylon Machine Screws	10/32	1/2	Fillister
KFN-844	10			FN-844-C	100	2	Nylon Machine Screws	10/32	1	Fillister
KFN-845	10			FN-845-C	100	3	Nylon Machine Screws	4/40	1/2	Flat
KFN-846	10					3	Nylon Machine Screws	6/32	3/8	Flat
KFN-847	10			FN-847-C	100	3	Nylon Machine Screws	6/32	1/2	Flat
KFN-848	10			FN-848-C	100	3	Nylon Machine Screws	6/32	5/8	Flat
KFN-849	10			FN-849-C	100	3	Nylon Machine Screws	8/32	1/2	Flat
KFN-850	10			FN-850-C	100	3	Nylon Machine Screws	8/32	3/4	Flat
KFN-852	10	FN-852-25P	25	FN-852-C	100	3	Nylon Machine Screws	10/32	1	Flat
		FN-860-25P	25			3	Nylon Machine Screws	10/32	1/4	Flat
		FN-880-25P	25			3	Nylon Machine Screws	10/32	1/2	Flat
		FN-882-25P	25			3	Nylon Machine Screws	10/32	3/4	Flat
		FN-891-25P	25			3	Nylon Machine Screws	6/32	1/4	Flat
		FN-892-25P	25			3	Nylon Machine Screws	6/32	1/2	Flat
		FN-894-25P	25			3	Nylon Machine Screws	6/32	3/4	Flat
		FN-896-25P	25			3	Nylon Machine Screws	6/32	1	Flat
		FN-898-25P	25			3	Nylon Machine Screws	8/32	1/4	Flat
		FN-900-25P	25			3	Nylon Machine Screws	8/32	1/2	Flat
		FN-902-25P	25			3	Nylon Machine Screws	8/32	3/4	Flat
		FN-904-25P	25			3	Nylon Machine Screws	8/32	1	Flat

SCREWS (Cont.)



Nylon Machine Screws (Continued)

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (Inches)	Head (Style)
KFN-800	15	FN-800-25P	25	FN-800-C	100	1	Nylon Machine Screws	2/56	1/4	Round
KFN-801	15	FN-801-25P	25	FN-801-C	100	1	Nylon Machine Screws	2/56	1/2	Round
KFN-802	10	FN-802-25P	25	FN-802-C	100	1	Nylon Machine Screws	4/40	1/4	Round
KFN-803	10	FN-803-25P	25	FN-803-C	100	1	Nylon Machine Screws	4/40	1/2	Round
KFN-804	10	FN-804-25P	25	FN-804-C	100	1	Nylon Machine Screws	4/40	3/4	Round
KFN-805	10			FN-805-C	100	1	Nylon Machine Screws	6/32	1/4	Round
KFN-806	10			FN-806-C	100	1	Nylon Machine Screws	6/32	3/8	Round
KFN-807	10			FN-807-C	100	1	Nylon Machine Screws	6/32	1/2	Round
KFN-808	10			FN-808-C	100	1	Nylon Machine Screws	6/32	5/8	Round
KFN-809	10			FN-809-C	100	1	Nylon Machine Screws	6/32	3/4	Round
KFN-810	10			FN-810-C	100	1	Nylon Machine Screws	8/32	3/8	Round
KFN-811	10			FN-811-C	100	1	Nylon Machine Screws	8/32	1/2	Round
KFN-812	10			FN-812-C	100	1	Nylon Machine Screws	8/32	3/4	Round
KFN-813	10			FN-813-C	100	1	Nylon Machine Screws	10/32	1/2	Round
KFN-814	10			FN-814-C	100	1	Nylon Machine Screws	10/32	1	Round
		FN-883-25P	25			1	Nylon Machine Screws	2/56	3/4	Round
		FN-884-25P	25			1	Nylon Machine Screws	2/56	1	Round
		FN-885-25P	25			1	Nylon Machine Screws	4/40	1/4	Round
		FN-886-25P	25			1	Nylon Machine Screws	4/40	1/2	Round
		FN-887-25P	25			1	Nylon Machine Screws	4/40	3/4	Round
		FN-889-25P	25			1	Nylon Machine Screws	4/40	1	Round

Sheet Metal Screws

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size/ Thread	Length (Inches)	Head (Style)
KF-014	25	F-014-25P	25	F-014-C	100	2	Sheet Metal Screws—Steel-Nickel Plated	6/32	1/2	Binder
KF-015	20	F-015-25P	25	F-015-C	100	2	Sheet Metal Screws—Steel-Nickel Plated	6/32	3/4	Binder
KF-016	25			F-016-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	4/40	3/8	Hex
KF-017	15			F-017-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	8/32	5/8	Hex
KF-520	10					3	Sheet Metal Screws—Steel-Nickel Plated	10	1-1/2	Hex
KF-523	25			F-523-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	4	1/2	Hex
KF-524	20			F-524-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	6	1/4	Hex
KF-525	20			F-525-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	6	3/8	Hex
KF-526	15			F-526-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	6	1/2	Hex
KF-527	10			F-527-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	6	3/4	Hex
KF-528	15			F-528-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	8	1/4	Hex
KF-529	15			F-529-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	8	3/8	Hex
KF-530	15			F-530-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	8	1/2	Hex
KF-531	10			F-531-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	8	1	Hex
KF-532	10			F-532-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	10	3/8	Hex
KF-533	10			F-533-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	10	1/2	Hex
KF-534	10			F-534-C	100	3	Sheet Metal Screws—Steel-Nickel Plated	10	3/4	Hex
KF-050	20			F-050-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	6	1/2	Hex Washer
KF-051	20			F-051-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	8	1/4	Hex Washer
KF-052	15			F-052-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	8	3/8	Hex Washer
KF-053	15			F-053-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	8	1/2	Hex Washer
KF-054	15			F-054-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	6	3/4	Hex Washer
KF-055	15			F-055-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	8	5/8	Hex Washer
KF-056	20			F-056-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	6	1/4	Hex Washer
KF-057	25			F-057-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	6	3/8	Hex Washer
KF-058	15			F-058-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	6	5/8	Hex Washer
KF-059	15			F-059-C	100	4	Sheet Metal Screws—Steel-Nickel Plated	8	3/4	Hex Washer
KF-033	20			F-033-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	6/32	1/4	Pan
KF-034	20			F-034-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	6	1/2	Pan
KF-035	20			F-035-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	6	3/4	Pan
KF-036	20			F-036-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	8	1/4	Pan
KF-037	15			F-037-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	8	1/2	Pan
KF-038	15			F-038-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	8	1	Pan
KF-596	20			F-596-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	4	1/2	Pan
				F-597-C	100	5	Sheet Metal Screws—Steel-Nickel Plated	6	3/8	Pan

WASHERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Flat Washers

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thickness (Inches)	Diameter (Inches) Inner	Outer
KFW-374	25			FW-374-C	100	1	Fiber Flat Washer	4	0.03125	0.12	0.25
KFW-375	20			FW-375-C	100	1	Fiber Flat Washer	6	0.03125	0.145	0.25
KFW-376	20			FW-376-C	100	1	Fiber Flat Washer	8	0.03125	0.1875	0.375
KFW-377	20			FW-377-C	100	1	Fiber Flat Washer	10	0.03125	0.192	0.375
KFW-378	20			FW-378-C	100	1	Fiber Flat Washer	1/4	0.03125	0.255	0.5
KFW-379	15			FW-379-C	100	1	Fiber Flat Washer	3/8	0.03125	0.375	0.625
				FW-380-C	100	1	Fiber Flat Washer	7/16	0.03125	0.44	0.75
KMW-400	50	MW-400-25P	25	MW-400-C	100	2	Steel Flat Washer	2	0.018	0.092	0.21875
KMW-401	25	MW-401-25P	25	MW-401-C	100	2	Steel Flat Washer	4	0.030	0.125	0.297
KMW-402	25	MW-402-25P	25	MW-402-C	100	2	Steel Flat Washer	6	0.049	0.156	0.375
KMW-403	50	MW-403-25P	25	MW-403-C	100	2	Steel Flat Washer	8	0.049	0.188	0.438
KMW-404	50	MW-404-25P	25	MW-404-C	100	2	Steel Flat Washer	10	0.049	0.219	0.500
				MW-408-C	100	2	Steel Flat Washer	1/4	0.065	0.281	0.625
				MW-410-C	100	2	Steel Flat Washer	3/8	0.065	0.392	0.750
KNW-874	30	NW-874-25P	25	NW-874-C	100	3	Nylon Flat Washer	2	0.032	0.09	0.25
		NW-895-25P	25			3	Nylon Flat Washer	2	0.062	0.09	0.25
		NW-892-25P	25			3	Nylon Flat Washer	4	0.032	0.115	0.25
KNW-875	30	NW-875-25P	25	NW-875-C	100	3	Nylon Flat Washer	4	0.062	0.115	0.25
		NW-893-25P	25			3	Nylon Flat Washer	6	0.032	0.14	0.3125
KNW-876	30	NW-876-25P	25	NW-876-C	100	3	Nylon Flat Washer	6	0.062	0.14	0.3125
		NW-877-25P	25	NW-877-C	100	3	Nylon Flat Washer	8	0.062	0.171	0.375
		NW-896-25P	25			3	Nylon Flat Washer	10	0.032	0.194	0.375
KNW-878	25	NW-878-25P	25	NW-878-C	100	3	Nylon Flat Washer	10	0.062	0.194	0.375

Finishing Washers

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thickness (Inches)	Diameter (Inches) Inner	Outer
KNW-879	7	NW-879-25P	25	NW-879-C	100	4	Nylon Finishing Washer	6	0.100	0.143	0.437
KNW-890	6	NW-890-25P	25	NW-890-C	100	4	Nylon Finishing Washer	8	0.115	0.171	0.515
KNW-891	6	NW-891-25P	25	NW-891-C	100	4	Nylon Finishing Washer	10	0.152	0.191	0.58

Extruded Washers

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thickness (Inches)	Diameter (Inches) Inner	Outer
				FW-384-C	100	5	Fiber Extruded Washer	4	0.28125	0.125	0.28125
				FW-385-C	100	5	Fiber Extruded Washer	6	0.28125	0.0938	0.3125
				FW-386-C	100	5	Fiber Extruded Washer	8	0.09375	0.171	0.375
				FW-387-C	100	5	Fiber Extruded Washer	10	0.09375	0.203	0.437
				FW-388-C	100	5	Fiber Extruded Washer	1/4	0.09375	0.256	0.5
				FW-389-C	100	5	Fiber Extruded Washer	3/8	0.09375	0.375	0.625

Internal Tooth Washers

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thickness (Inches)	Diameter (Inches) Inner	Outer
KMW-428	45			MW-428-C	100	6	Zinc Plated Internal Tooth Washers	2	0.013		0.185
KMW-416	45	MW-416-25P	25	MW-416-C	100	6	Zinc Plated Internal Tooth Washers	4	0.015		0.265
KMW-417	45	MW-417-25P	25	MW-417-C	100	6	Zinc Plated Internal Tooth Washers	6	0.018		0.288
KMW-418	40	MW-418-25P	25	MW-418-C	100	6	Zinc Plated Internal Tooth Washers	8	0.02		0.336
KMW-419	40	MW-419-25P	25	MW-419-C	100	6	Zinc Plated Internal Tooth Washers	10	0.022		0.381
				MW-420-C	100	6	Zinc Plated Internal Tooth Washers	1/4	0.025		0.478
				MW-421-C	100	6	Zinc Plated Internal Tooth Washers	3/8	0.035		0.692

WASHERS (Cont.)



Fig. 1



Fig. 2

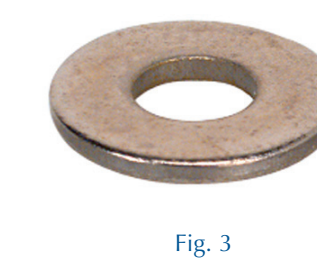


Fig. 3

External Tooth Washers

CLAMSHELL		POLYBAG		BULK		Figure No.	Description	Size	Thickness (Inches)	Diameter (Inches)	
Part No.	Quantity	Part No.	Quantity	Part No.	Quantity					Inner	Outer
				MW-422-C	100	1	Zinc Plated External Tooth Washers	4	0.015	0.255	
				MW-423-C	100	1	Zinc Plated External Tooth Washers	6	0.02	0.317	
				MW-424-C	100	1	Zinc Plated External Tooth Washers	8	0.02	0.381	
				MW-425-C	100	1	Zinc Plated External Tooth Washers	10	0.022	0.406	
				MW-426-C	100	1	Zinc Plated External Tooth Washers	1/4	0.022	0.506	
				MW-427-C	100	1	Zinc Plated External Tooth Washers	3/8	0.035	0.695	

Split-Lock Washers

CLAMSHELL		POLYBAG		BULK		Figure No.	Description	Size	Thickness (Inches)	Diameter (Inches)	
Part No.	Quantity	Part No.	Quantity	Part No.	Quantity					Inner	Outer
KMW-411	50	MW-411-25P	25	MW-411-C	100	2	Zinc Plated Split-lock Washers	4			
KMW-412	50	MW-412-25P	25	MW-412-C	100	2	Zinc Plated Split-lock Washers	6			
KMW-413	50			MW-413-C	100	2	Zinc Plated Split-lock Washers	8			
KMW-414	50			MW-414-C	100	2	Zinc Plated Split-lock Washers	10			
KMW-415	60			MW-415-C	100	2	Zinc Plated Split-lock Washers	1/4			

Metric Flat Washers

POLYBAG		POLYBAG		BULK		Figure No.	Description	Size	Thickness (Inches)	Diameter (Inches)	
Part No.	Quantity	Part No.	Quantity	Part No.	Quantity					Inner	Outer
WM-200-15P	15	WM-200-25P	25			3	Nickel Plated Flat Washers (Metric)	M2			
WM-205-15P	15	WM-205-25P	25			3	Nickel Plated Flat Washers (Metric)	M2.5			
WM-302-15P	15	WM-302-25P	25			3	Nickel Plated Flat Washers (Metric)	M3.2			
WM-403-15P	15	WM-403-25P	25			3	Nickel Plated Flat Washers (Metric)	M4.3			

NUTS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Lock Washer Nuts

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thread	Thickness (Inches)	Width (Inches)
KF-535	15			F-535-C	100	1	Zinc Plated Lock Washer Nuts	4	40	3/32	1/4
KF-536	15			F-536-C	100	1	Zinc Plated Lock Washer Nuts	6	32	7/64	5/16
KF-537	15			F-537-C	100	1	Zinc Plated Lock Washer Nuts	8	32	1/8	11/32
KF-538	10			F-538-C	100	1	Zinc Plated Lock Washer Nuts	10	32	1/8	3/8

Lock Nuts

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thread	Thickness (Inches)	Width (Inches)
		NN-502-25P	25			2	Nylon Lock Nut	2	56	0.140	0.180
		NN-504-25P	25			2	Nylon Lock Nut	4	40	0.180	0.250
		NN-506-25P	25			2	Nylon Lock Nut	6	32	0.200	0.305
		NN-508-25P	25			2	Nylon Lock Nut	8	32	0.230	0.335
		NN-510-25P	25			2	Nylon Lock Nut	10	32	0.250	0.365

Volume Control Nut

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thread	Thickness (Inches)	Width (Inches)
KF-565	15					3	Nickel Plated Volume Control Nut	3/8	32	3/32	1/2

Toggle Switch Nuts

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thread	Thickness (Inches)	Width (Inches)
KF-566	10			F-566-C	100	3	Nickel Plated Toggle Switch Nut	15	32	5/64	9/16
KF-567	15			F-567-C	100	3	Nickel Plated Toggle Switch Nut	0.475	32	1/16	19/32

Wing Nut

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thread	Thickness (Inches)	Width (Inches)
KF-571	15					4	Nickel Plated Wing Nut	6	32		

Metric Hex Nuts

POLYBAG Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thread	Thickness (Inches)	Width (Inches)
NM-200-15P	15	NM-200-25P	25			5	Nickel Plated Hex Nuts (Metric)	M2			
NM-250-15P	15	NM-250-25P	25			5	Nickel Plated Hex Nuts (Metric)	M2.5			
NM-300-15P	15	NM-300-25P	25			5	Nickel Plated Hex Nuts (Metric)	M3			
NM-400-15P	15	NM-400-25P	25			5	Nickel Plated Hex Nuts (Metric)	M4			

English Hex Nuts

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	BULK Part No.	Quantity	Figure No.	Description	Size	Thread	Thickness (Inches)	Width (Inches)
KF-554	25	F-554-25P	25	F-554-C	100	6	Nickel Plated Hex Nuts (English)	2	56	1/16	3/16
KF-555	25					6	Nickel Plated Hex Nuts (English)	3	48	1/16	3/16
KF-556	25			F-556-C	100	6	Nickel Plated Hex Nuts (English)	4	36	3/32	1/4
KF-557	25	F-557-25P	25	F-557-C	100	6	Nickel Plated Hex Nuts (English)	4	40	3/32	1/4
KF-559	25	F-559-25P	25	F-559-C	100	6	Nickel Plated Hex Nuts (English)	6	32	3/32	1/4
KF-560	25			F-560-C	100	6	Nickel Plated Hex Nuts (English)	6	32	7/64	5/16
KF-561	25	F-561-25P	25	F-561-C	100	6	Nickel Plated Hex Nuts (English)	8	32	3/32	1/4
KF-562	25			F-562-C	100	6	Nickel Plated Hex Nuts (English)	8	32	7/64	5/16
KF-563	20	F-563-25P	25	F-563-C	100	6	Nickel Plated Hex Nuts (English)	10	32	1/8	3/8
	15			F-564-C	100	6	Nickel Plated Hex Nuts (English)	1/4	20	3/16	7/16
KFN-853	15	FN-853-25P	25	FN-853-C	100	7	Nylon Hex Nuts (English)	2	56	.070	3/16
KFN-854	15	FN-854-25P	25	FN-854-C	100	7	Nylon Hex Nuts (English)	4	40	.100	1/4
KFN-855	25			FN-855-C	100	7	Nylon Hex Nuts (English)	6	32	.120	5/16
KFN-856	10			FN-856-C	100	7	Nylon Hex Nuts (English)	8	32	.130	11/32
KFN-857	10	FN-857-25P	25	FN-857-C	100	7	Nylon Hex Nuts (English)	10	32	.135	3/8

WIRE CONNECTORS and BUSHINGS



Fig. 1

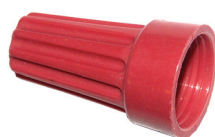


Fig. 2



Fig. 3



Fig. 4



Fig. 5

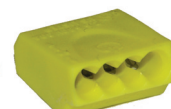


Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15

Wire Connectors

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	Figure No.	Description	Gauge	Color	Type
		WC-1071-25P	25	1	Max: 1 #14 with 1 #20 Min: 2 #22	22-14 AWG	Gray	Screw-on
		WC-1072-25P	25	1	Max: 3 #16 Min: 2 #22	22-14 AWG	Blue	Screw-on
		WC-1073-25P	25	1	Max: 4 #16 with 1 #18 Min: 1 #18 with 1 #20	22-14 AWG	Orange	Screw-on
		WC-1074-15P	15	1	Max: 1 #10 with 2 #14 with 1 #16 Min: 3 #20	22-10 AWG	Yellow	Screw-on
		WC-1076-10P	10	1	Max: 3 #10 Min: 3 #18	22-8 AWG	Red	Screw-on
		WH-0003-25P	25	2	Max: 4 #16 with 1 #20 Min: 1 with 1 #20	22-14 AWG	Orange	H-type
		WH-0004-25P	25	2	Max: 1 #10 with 2 #14 with 1 #16 Min: 3 #20	22-10 AWG	Yellow	H-type
		WH-0006-15P	15	2	Max: 3 #10 Min: 3 #18	22-8 AWG	Red	H-type
		WW-1451-15P	15	3	Max: 3 #12 Min: 2 #18	18-10 AWG	Yellow	Winged
		WW-1422-15P	15	3	Max: 3 #10 Min: 3 #22	22-8 AWG	Tan	Winged
		WW-1452-10P	10	3	Max: 5 #12 Min: 3 #16	18-8 AWG	Red	Winged
		WW-1418-8P	8	3	Max: 3 #10 Min: 3 #14 with 1 #18	18-8 AWG	Gray	Winged
		WW-1454-4P	4	3	Max: 1 #8 with 3 #10 Min: 2 #10 with 1 #12	14-6 AWG	Blue	Winged
		PI-1002-25P	25	4	2 Wire Connector	22-12 AWG	Red	Push-in
		PI-1003-25P	25	5	3 Wire Connector	22-12 AWG	Orange	Push-in
		PI-1004-15P	15	6	4 Wire Connector	22-12 AWG	Yellow	Push-in
		PI-1005-15P	15	7	5 Wire Connector	22-12 AWG	Gray	Push-in
		PI-1008-10P	10	8	8 Wire Connector	22-12 AWG	Black	Push-in
		CE-18-25P	25	9	Max: 2 #20 with 1 #18 Min: 2 #22	22-18 AWG	Clear	Closed-ended
		CE-14-25P	25	9	Max: 1 #18 with 1 #12 Min: 2 #22	22-14 AWG	Clear	Closed-ended
		CE-10-15P	15	9	Max: 3 #18 with 1 #12 Min: 2 #22 with 2 #1	22-10 AWG	Clear	Closed-ended
		CE-08-15P	15	9	Max: 2 #16 with 1 #10 Min: 2 #16 with 1 #12	16-10 AWG	Clear	Closed-ended
		WG-1092-10P	10	10	Max: 3 #12 with 1 #14 Min: 2 #14	14-10 AWG	Green	Grounding

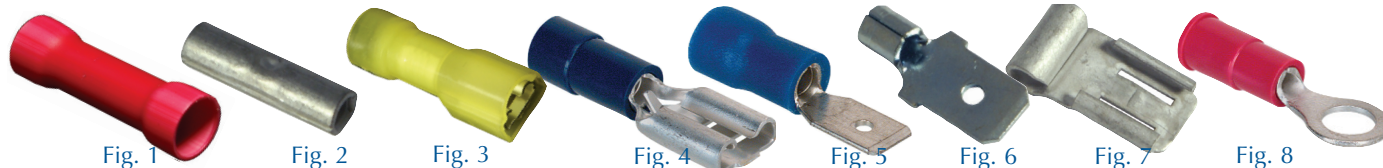
Bushings

CLAMSHELL Part No.	Quantity	POLYBAG Part No.	Quantity	Figure No.	Description	Mount Hole Size (mm)	Thickness (mm)	Color
		SR-1204-25P	25	11	Nylon Strain Relief Bushing, Flat SPT-1	9.5	1.6	Black
		SR-1304-25P	25	11	Nylon Strain Relief Bushing, Flat SPT-1	11	1.6	Black
		SR-1301-20P	20	11	Nylon Strain Relief Bushing, Flat SPT-1	11	2.5	Black
		SR-1404-20P	20	11	Nylon Strain Relief Bushing, Flat SPT-2	12.7-13.1	1.6	Black
		SR-1414-20P	20	11	Nylon Strain Relief Bushing, Flat SPT-2	12.7-13.1	2.5	Black
		SR-2504-10P	10	12	Nylon Strain Relief Bushing, Round SVI SVT	12.7-13.1	1.6	Black
		SR-2514-10P	10	12	Nylon Strain Relief Bushing, Round SVI SVT	12.7-13.1	2.5	Black
		SR-2604-10P	10	12	Nylon Strain Relief Bushing, Round SPT 3C, 18 AWG	15.9	1.6	Black
		SR-2614-5P	5	12	Nylon Strain Relief Bushing, Round SPT 3C, 18 AWG	15.9	3.2	Black
		SR-2634-5P	5	12	Nylon Strain Relief Bushing, Round SPT 3C, 16 AWG	15.9	1.6	Black
		SR-2644-5P	5	12	Nylon Strain Relief Bushing, Round SPT 3C, 16 AWG	15.9	3.2	Black
		SR-2702-5P	5	12	Nylon Strain Relief Bushing, Round SPT 3C, 14 AWG	19-19.8	1.6	Black
		SR-2712-5P	5	12	Nylon Strain Relief Bushing, Round SPT 3C, 14 AWG	19-19.8	3.2	Black
		SR-2802-5P	5	12	Nylon Strain Relief Bushing, Round SPT 3C, 12 AWG	22.2	3.2	Black
		PR-1901-5P	5	13	Nylon Switch Power Bushing, (22-36)PCS, 18 AWG	19	1.6	Black
		SB-3123-25P	25	14	Nylon Snap-in Bushing	8		Black
		SB-3754-25P	25	14	Nylon Snap-in Bushing	9.5		Black
		SB-0811-25P	25	14	Nylon Snap-in Bushing	11.1		Black
		SB-0813-25P	25	14	Nylon Snap-in Bushing	13		Black
		SB-1216-20P	20	14	Nylon Snap-in Bushing	16		Black
		CB-0813-25P	25	15	Nylon Open/Closed Bushing	12.5-13		Black
		CB-1216-20P	20	15	Nylon Open/Closed Bushing	15.5-16		Black
		CB-1419-20P	20	15	Nylon Open/Closed Bushing	18-19		Black

For the latest information—www.gcelectronics.com

All quantities are single; BU's are packages of 10 Unless otherwise noted.

SOLDERLESS TERMINALS



Solderless Terminals

CLAMSHELL Part No.	Qty	POLYBAG Part No.	Qty	POLYBAG Part No.	Qty	Fig. No.	Description	Size	Gauge (AWG)	Color	Type
T-2019-SP	100	T-2019-10P	10	T-2019-25P	25	1	Insulated Butt Connector Solderless Terminal		22-16	Red	Butt Connector
T-2020-SP	100	T-2020-10P	10	T-2020-25P	25	1	Insulated Butt Connector Solderless Terminal		16-14	Blue	Butt Connector
T-2046-SP	100	T-2046-10P	10	T-2046-25P	25	1	Insulated Butt Connector Solderless Terminal		12-10	Yellow	Butt Connector
T-2263-V	5	T-2263-10P	10	T-2263-25P	25	1	Insulated Butt Connector Solderless Terminal		8	Blue	Butt Connector
S-1019-SP	100					2	Non-insulated Butt Solderless Terminal		22-18		Butt Connector
S-1020-SP	100					2	Non-insulated Butt Solderless Terminal		16-14		Butt Connector
S-1046-SP	100					2	Non-insulated Butt Solderless Terminal		12-10		Butt Connector
T-2613-SP	100					3	Female, Fully Insulated Solderless Terminal	0.187	22-18	Red	Quick Connect
T-2617-SP	100					3	Female, Fully Insulated Solderless Terminal	0.250	22-18	Red	Quick Connect
T-2622-SP	100					3	Female, Fully Insulated Solderless Terminal	0.187	16-14	Blue	Quick Connect
T-2626-SP	100					3	Female, Fully Insulated Solderless Terminal	0.250	16-14	Blue	Quick Connect
T-2627-SP	100					3	Female, Fully Insulated Solderless Terminal	0.250	12-10	Yellow	Quick Connect
N-5629-SP	100					4	Female, Insulated Solderless Terminal	0.250	22-18	Red	Quick Connect
N-5631-SP	100					4	Female, Insulated Solderless Terminal	0.250	16-14	Blue	Quick Connect
ST-2090-SP	100	ST-2090-10P	10	ST-2090-25P	25	4	Female, Insulated Solderless Terminal	0.250	16-14	Red	Quick Connect
ST-2187-SP	100	ST-2187-10P	10	ST-2187-25P	25	4	Female, Insulated Solderless Terminal	0.187	16-14	Red	Quick Connect
ST-2188-SP	100					4	Female, Insulated Solderless Terminal	0.250	16-12	Red	Quick Connect
ST-2727-SP	100	ST-2727-10P	10	ST-2727-25P	25	4	Female, Insulated Solderless Terminal	0.250	22-18	Blue	Quick Connect
ST-2756-SP	100	ST-2756-10P	10	ST-2756-25P	25	4	Female, Insulated Solderless Terminal	0.110	22-18	Yellow	Quick Connect
ST-2759-SP	100	ST-2759-10P	10	ST-2759-25P	25	4	Female, Insulated Solderless Terminal	0.187	22-18	Red	Quick Connect
ST-2763-SP	100	ST-2763-10P	10	ST-2763-25P	25	4	Female, Insulated Solderless Terminal	0.110	16-14	Blue	Quick Connect
T-2768-SP	100					4	Female, Insulated Solderless Terminal	0.250	12-10	Blue	Quick Connect
N-5628-SP	100					5	Male, Insulated Solderless Terminal	0.250	22-18		Quick Connect
N-5630-SP	100					5	Male, Insulated Solderless Terminal	0.250	16-14		Quick Connect
ST-2089-SP	100	ST-2089-10P	10	ST-2089-25P	25	5	Male, Insulated Solderless Terminal	6	16-14		Quick Connect
SS-1089-SP	100					6	Male, Non-insulated Solderless Terminal	0.250	16-14		Quick Connect
SS-1190-SP	100					6	Male, Non-insulated Solderless Terminal	0.187	16-14		Quick Connect
S-1091-A-SP	100					7	Female, Non-insulated Flag	0.250	14-12		Quick Connect
S-1189-SP	100					7	Female, Non-insulated Flag	0.187	18-14		Quick Connect
SS-1090-SP	100					7	Female, Non-insulated Flag	0.250	16-14		Quick Connect
SS-1187-SP	100						Female, Non-insulated Flag	0.187	16-14		Quick Connect
SS-1188-SP	100						Female, Non-insulated Flag	0.250	16-12		Quick Connect
SS-1727-SP	100						Female, Non-insulated Flag	0.250	22-18		Quick Connect
SS-1759-SP	100					7	Female, Non-insulated Flag	0.187	22-18		Quick Connect
T-2002-SP	100					8	Insulated Ring Solderless Terminal	6	22-18	Red	Ring Terminal
T-2003-SP	100	T-2003-10P	10	T-2003-25P	25	8	Insulated Ring Solderless Terminal	10	22-16	Red	Ring Terminal
T-2004-SP	100					8	Insulated Ring Solderless Terminal	1/4	22-18	Red	Ring Terminal
T-2006-SP	100	T-2006-10P	10	T-2006-25P	25	8	Insulated Ring Solderless Terminal	6	16-14	Blue	Ring Terminal
T-2008-SP	100	T-2008-10P	10	T-2008-25P	25	8	Insulated Ring Solderless Terminal	10	16-14	Blue	Ring Terminal
T-2009-SP	100					8	Insulated Ring Solderless Terminal	1/4	16-14	Blue	Ring Terminal
T-2011-SP	100	T-2011-10P	10	T-2011-25P	25	8	Insulated Ring Solderless Terminal	10	12-10	Yellow	Ring Terminal
T-2013-SP	100					8	Insulated Ring Solderless Terminal	3/8	12-10	Yellow	Ring Terminal
T-2021-SP	100					8	Insulated Ring Solderless Terminal	8	22-18	Red	Ring Terminal
T-2024-SP	100	T-2024-10P	10	T-2024-25P	25	8	Insulated Ring Solderless Terminal	8	16-14	Blue	Ring Terminal
T-2047-SP	100	T-2047-10P	10	T-2047-25P	25	8	Insulated Ring Solderless Terminal	4	22-16	Red	Ring Terminal
T-2049-SP	100					8	Insulated Ring Solderless Terminal	6	12-10	Yellow	Ring Terminal
T-2050-SP	100					8	Insulated Ring Solderless Terminal	8	12-10	Yellow	Ring Terminal
T-2100-SP	100					8	Insulated Ring Solderless Terminal	1/4	12-10	Yellow	Ring Terminal
T-2101-SP	100	T-2101-10P	10	T-2101-25P	25	8	Insulated Ring Solderless Terminal	5/16	12-10	Yellow	Ring Terminal
T-2150-SP	100	T-2150-10P	10	T-2150-25P	25	8	Insulated Ring Solderless Terminal	8	12-10	Yellow	Ring Terminal
T-2700-SP	100	T-2700-10P	10	T-2700-25P	25	8	Insulated Ring Solderless Terminal	6	22-16	Red	Ring Terminal

SOLDERLESS TERMINALS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Solderless Terminals

CLAMSHELL Part No.	Qty	POLYBAG Part No.	Qty	POLYBAG Part No.	Qty	Fig. No.	Description	Size	Gauge (AWG)	Color	Type
S-1002-SP	100					1	Non-insulated Ring Solderless Terminal	6	22-18		Ring Terminal
S-1003-SP	100					1	Non-insulated Ring Solderless Terminal	10	22-18		Ring Terminal
S-1004-SP	100					1	Non-insulated Ring Solderless Terminal	1/4	22-18		Ring Terminal
S-1006-SP	100					1	Non-insulated Ring Solderless Terminal	6	16-14		Ring Terminal
S-1008-SP	100					1	Non-insulated Ring Solderless Terminal	10	16-14		Ring Terminal
S-1009-SP	100					1	Non-insulated Ring Solderless Terminal	1/4	16-14		Ring Terminal
S-1011-SP	100					1	Non-insulated Ring Solderless Terminal	10	12-10		Ring Terminal
S-1013-SP	100					1	Non-insulated Ring Solderless Terminal	3/8	12-10		Ring Terminal
S-1021-SP	100					1	Non-insulated Ring Solderless Terminal	8	22-18		Ring Terminal
S-1024-SP	100					1	Non-insulated Ring Solderless Terminal	8	16-14		Ring Terminal
S-1041-SP	100					1	Non-insulated Ring Solderless Terminal	5/16	16-14		Ring Terminal
S-1100-SP	100					1	Non-insulated Ring Solderless Terminal	1/4	12-10		Ring Terminal
T-2014-SP	100	T-2014-10P	10	T-2014-25P	25	2	Insulated Block Spade Solderless Terminal	6	22-16	Red	Spade Terminal
T-2015-SP	100	T-2015-10P	10	T-2015-25P	25	2	Insulated Block Spade Solderless Terminal	6	16-14	Blue	Spade Terminal
T-2016-SP	100	T-2016-10P	10	T-2016-25P	25	2	Insulated Block Spade Solderless Terminal	10	16-14	Blue	Spade Terminal
T-2017-SP	100					2	Insulated Block Spade Solderless Terminal	10	12-10	Yellow	Spade Terminal
T-2118-SP	100					2	Insulated Block Spade Solderless Terminal	6	22-16	Red	Spade Terminal
T-2121-SP	100					2	Insulated Block Spade Solderless Terminal	4	16-14	Blue	Spade Terminal
T-2123-SP	100					2	Insulated Block Spade Solderless Terminal	6	16-14	Blue	Spade Terminal
T-2707-SP	100					2	Insulated Block Spade Solderless Terminal	8	12-10	Yellow	Spade Terminal
		T-2080-10P	10	T-2080-25P	25	3	Insulated Flanged Block Spade Solderless Terminal	6	22-16	Red	Spade Terminal
		T-2081-10P	10	T-2081-25P	25	3	Insulated Flanged Block Spade Solderless Terminal	8	22-16	Red	Spade Terminal
T-2083-SP	100	T-2083-10P	10	T-2083-25P	25	3	Insulated Flanged Block Spade Solderless Terminal	6	16-14	Blue	Spade Terminal
T-2084-SP	100	T-2084-10P	10	T-2084-25P	25	3	Insulated Flanged Block Spade Solderless Terminal	8	16-14	Blue	Spade Terminal
T-2085-SP	100	T-2085-10P	10	T-2085-25P	25	3	Insulated Flanged Block Spade Solderless Terminal	10	16-14	Blue	Spade Terminal
T-2592-SP	100					3	Insulated Flanged Block Spade Solderless Terminal	2	22-16	Red	Spade Terminal
T-2724-SP	100					3	Insulated Flanged Block Spade Solderless Terminal	10	12-10	Yellow	Spade Terminal
T-2029-SP	100					4	Insulated Round Spade Solderless Terminal	6	22-18	Red	Spade Terminal
T-2030-SP	100	T-2030-10P	10	T-2030-25P	25	4	Insulated Round Spade Solderless Terminal	8	22-16	Red	Spade Terminal
T-2031-SP	100					4	Insulated Round Spade Solderless Terminal	8	16-14	Blue	Spade Terminal
T-2032-SP	100	T-2032-10P	10	T-2032-25P	25	4	Insulated Round Spade Solderless Terminal	10	22-16	Red	Spade Terminal
T-2033-SP	100	T-2033-10P	10	T-2033-25P	25	4	Insulated Round Spade Solderless Terminal	8	16-14	Blue	Spade Terminal
T-2053-SP	100					4	Insulated Round Spade Solderless Terminal	6	12-10	Yellow	Spade Terminal
T-2349-SP	100					4	Insulated Round Spade Solderless Terminal	6	16-14	Blue	Spade Terminal
S-1014-SP	100					5	Non-insulated Block Spade Solderless Terminal	6	22-18		Spade Terminal
S-1015-SP	100					5	Non-insulated Block Spade Solderless Terminal	6	16-14		Spade Terminal
S-1016-SP	100					5	Non-insulated Block Spade Solderless Terminal	10	16-14		Spade Terminal
S-1017-SP	100					5	Non-insulated Block Spade Solderless Terminal	10	12-10		Spade Terminal
S-1030-SP	100					5	Non-insulated Block Spade Solderless Terminal	8	22-18		Spade Terminal
S-1033-SP	100					5	Non-insulated Block Spade Solderless Terminal	8	16-14		Spade Terminal
S-1118-SP	100					5	Non-insulated Block Spade Solderless Terminal	8	22-18		Spade Terminal

GROMMET AND HOLE PLUG KITS



HD-4209
Vinyl Grommet Kit

HD-4210
Rubber Grommet Kit

HD-4211
Hole Plug Kit

Kit No. HD-4209

Vinyl Grommet Kit for 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" Mount Holes.

Refill Part No.	Quantity Per Kit	Description	Mounting Hole (Inches)	Panel Thickness (Inches)	Thickness (Inches)	Inner Diameter (Inches)	Outer Diameter (Inches)
G-401	70	Vinyl Grommet	1/4	1/16	3/16	1/8	11/32
G-402	40	Vinyl Grommet	5/16	1/16	7/32	3/16	7/16
G-403	25	Vinyl Grommet	3/8	1/16	1/4	1/4	9/16
G-404	20	Vinyl Grommet	7/16	1/16	1/4	5/16	5/8
G-405	20	Vinyl Grommet	1/2	1/16	1/4	3/8	5/8
G-406	10	Vinyl Grommet	5/8	1/16	9/32	1/2	13/16

Kit No. HD-4210

Rubber Grommet Kit for 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" Mount Holes.

Refill Part No.	Quantity Per Kit	Description	Mounting Hole (Inches)	Panel Thickness (Inches)	Thickness (Inches)	Inner Diameter (Inches)	Outer Diameter (Inches)
11-284-C	100	Rubber Grommet	1/4	1/16	3/16	1/8	11/32
G-305	40	Rubber Grommet	5/16	1/16	7/32	3/16	7/16
11-292-BU	30	Rubber Grommet	3/8	1/16	1/4	1/4	9/16
11-300-BU	20	Rubber Grommet	1/2	1/16	1/4	3/8	5/8
11-304-BU	10	Rubber Grommet	5/8	1/16	9/32	1/2	13/16
11-308-BU	10	Rubber Grommet	3/4	1/16	15/64	9/16	7/8

Kit No. HD-4211

Nickel-plated Snap Button Hole Plug Kit for 1/4", 3/8", 1/2", 3/4" and 1" Mount Holes.

Refill Part No.	Quantity Per Kit	Description	Mounting Hole (Inches)
HP-1	25	Nickel-plated Hole Plug	1/4
HP-2	15	Nickel-plated Hole Plug	3/8
HP-3	10	Nickel-plated Hole Plug	1/2
HP-4	5	Nickel-plated Hole Plug	3/4
HP-5	5	Nickel-plated Hole Plug	1
11-392-C	3	Nickel-plated Screen Vent Hole Plug	1

GROMMETS and HOLE PLUGS



Fig. 1



Fig. 2

Grommets

CLAMSHELL Part No.	Qty	POLYBAG Part No.	Qty	BULK Part No.	Qty	N.S.N. No.	Fig. No.	Description	Mount Hole (Inches)	Panel Thickness (Inches)	Thickness (Inches)	Diameter (Inches) Inner	Outer
				G-300-C	100		1	Rubber Grommet	1/4	1/16	3/16	1/8	11/32
KG-302	8	G-302-P	50				1	Rubber Grommet	1/2	1/16	1/4	3/8	21/32
				G-305-C	100		1	Rubber Grommet	5/16	1/16	7/32	3/16	7/16
		G-307-P	50				1	Rubber Grommet	19/32	3/64	1/4	7/16	3/4
				G-309-C	100		1	Rubber Grommet	15/32	1/16	1/4	11/32	5/8
		G-311-P	25				1	Rubber Grommet	7/8	1/16	5/16	5/8	1-1/8
				11-284-C	100	5325-00-975-1803	1	Rubber Grommet	1/4	1/16	3/16	1/8	11/32
				11-292-C	100	5325-00-682-2080	1	Rubber Grommet	3/8	1/16	1/4	1/4	9/16
				11-300-C	100		1	Rubber Grommet	1/2	1/16	1/4	3/8	5/8
				11-304-C	100	5325-00-202-2515	1	Rubber Grommet	5/8	1/16	9/32	1/2	13/16
				11-308-C	100	5340-00-814-5884	1	Rubber Grommet	3/4	1/16	15/64	9/16	7/8
				11-312-C	100	5325-00-474-7083	1	Rubber Grommet	7/8	1/16	5/16	5/8	1-1/8
				11-316-C	100	5325-00-071-3189	1	Rubber Grommet	1	1/16	3/8	11/16	1-5/16
KG-401	15			G-401-C	100		2	Vinyl Grommet	1/4	1/16	3/16	1/8	11/32
KG-402	10			G-402-C	100		2	Vinyl Grommet	5/16	1/16	7/32	3/16	7/16
KG-403	10			G-403-C	100		2	Vinyl Grommet	3/8	1/16	1/4	1/4	9/16
KG-404	10			G-404-C	100		2	Vinyl Grommet	7/16	1/16	1/4	5/16	5/8
KG-405	10			G-405-C	100		2	Vinyl Grommet	1/2	1/16	1/4	3/8	5/8
KG-406	5			G-406-C	100		2	Vinyl Grommet	5/8	1/16	9/32	1/2	13/16
KG-407	4			G-407-C	100		2	Vinyl Grommet	7/8	1/16	9/32	5/8	1-1/8



Fig. 3



Fig. 4

Hole Plugs

CLAMSHELL Part No.	Qty	POLYBAG Part No.	Qty	BULK Part No.	Qty	N.S.N. No.	Fig. No.	Description	Mount Hole (Inches)
KHP-1	8			HP-1-C	100		3	Steel, Nickel Plated Hole Plug	1/4
KHP-2	4			HP-2-C	100		3	Steel, Nickel Plated Hole Plug	3/8
KHP-3	6			HP-3-C	100		3	Steel, Nickel Plated Hole Plug	1/2
KHP-4	5	HP-4-P	50				3	Steel, Nickel Plated Hole Plug	3/4
KHP-5	3	HP-5-P	25				3	Steel, Nickel Plated Hole Plug	1
				11-344-C	100	5340-00-816-3421	3	Steel, Nickel Plated Hole Plug	1/4
				11-348-C	100		3	Steel, Nickel Plated Hole Plug	5/16
				11-356-C	100	5340-00-782-8713	3	Steel, Nickel Plated Hole Plug	1/2
				11-360-C	100	5340-00-816-3423	3	Steel, Nickel Plated Hole Plug	5/8
				11-364-C	100		3	Steel, Nickel Plated Hole Plug	3/4
				11-368-C	100		3	Steel, Nickel Plated Hole Plug	7/8
				11-388-C	100	5340-00-816-3424	3	Steel, Nickel Plated Hole Plug	1
				11-392-C	100	5340-00-587-1331	4	Steel, Nickel Plated Screened Vent Hole Plug	1

KNOBS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Control Knobs

Retail Part No.	Quantity per Package	Figure No.	Description	Outer Diameter (Inches)	Height (Inches)	Shaft Size (Inches)	Recessed for Locknut	Brass Insert
790-1126	1	1	Round Skirted Control Knob	1 1/2	11/16	1/4	Yes	No
WA-1600	1	1	Round Skirted Control Knob	1 1/2	9/16	1/4	Yes	No
WA-1600-P	5	1	Round Skirted Control Knob	1 1/2	9/16	1/4	Yes	No
WA-1600A	1	1	Round Skirted Control Knob	1 1/2	9/16	1/4	Yes	Yes
WA-1600A-P	5	1	Round Skirted Control Knob	1 1/2	9/16	1/4	Yes	Yes
WA-1610A	1	1	Round Skirted Control Knob	1	9/16	1/4	Yes	Yes
790-1124	1	2	Bar Control Knob	1 1/8	9/16	1/4	Yes	No
WA-1500	1	2	Bar Control Knob	1 1/8	9/16	1/4	Yes	No
WA-1500-P	5	2	Bar Control Knob	1 1/8	9/16	1/4	Yes	No
WA-1510	1	2	Bar Control Knob	3/4	9/16	1/4	Yes	No
WA-1510-P	5	2	Bar Control Knob	3/4	9/16	1/4	Yes	No
WA-1520	1	2	Bar Control Knob	1 1/2	3/4	1/4	Yes	No
WA-1520-P	5	2	Bar Control Knob	1 1/2	3/4	1/4	Yes	No

Lever Knobs

Retail Part No.	Quantity per Package	Figure No.	Description	Length (Inches)	Height (Inches)	Shaft Size (Inches)	Recessed for Locknut	Brass Insert
WA-2110A	1	3	Short Lever Knob	1 5/8	19/32	1/4	Yes	Yes
WA-2100A	1	3	Long Lever Knob	2 1/2	5/8	1/4	Yes	Yes
WA-2100A-P	5	3	Long Lever Knob	2 1/2	5/8	1/4	Yes	Yes

Instrument Knobs

Retail Part No.	Quantity per Package	Figure No.	Description	Outer Diameter (Inches)	Height (Inches)	Shaft Size (Inches)	Recessed for Locknut	Brass Insert
790-1051	1	4	Fluted Skirted Instrument Knob	3/4	1/2	1/4	Yes	No
790-1052	1	4	Fluted Skirted Instrument Knob	1 1/8	5/8	1/4	Yes	No
WA-101	1	4	Fluted Skirted Instrument Knob	3/4	1/2	1/4	Yes	No
WA-101-P	5	4	Fluted Skirted Instrument Knob	3/4	1/2	1/4	Yes	No
WA-101C	1	4	Fluted Skirted Instrument Knob	3/4	1/2	1/8	Yes	No
WA-101C-P	5	4	Fluted Skirted Instrument Knob	3/4	1/2	1/8	Yes	No
WA-102	1	4	Fluted Skirted Instrument Knob	1 1/8	5/8	1/4	Yes	No
WA-102-P	5	4	Fluted Skirted Instrument Knob	1 1/8	5/8	1/4	Yes	No
WA-102B	1	4	Fluted Skirted Instrument Knob	1 1/8	5/8	1/4	Yes	Yes
WA-102B-P	5	4	Fluted Skirted Instrument Knob	1 1/8	5/8	1/4	Yes	Yes
WA-103	1	4	Fluted Skirted Instrument Knob	1 1/4	3/4	1/4	Yes	No
WA-103-P	5	4	Fluted Skirted Instrument Knob	1 1/4	3/4	1/4	Yes	No
WA-103B	1	4	Fluted Skirted Instrument Knob	1 1/4	3/4	1/4	Yes	Yes
WA-103B-P	5	4	Fluted Skirted Instrument Knob	1 1/4	3/4	1/4	Yes	Yes
WA-104	1	4	Fluted Skirted Instrument Knob	1 1/2	7/8	1/4	Yes	No
WA-104-P	5	4	Fluted Skirted Instrument Knob	1 1/2	7/8	1/4	Yes	No
WA-104B	1	4	Fluted Skirted Instrument Knob	1 1/2	7/8	1/4	Yes	Yes
WA-105B	1	4	Fluted Skirted Instrument Knob	2	15/16	1/4	Yes	Yes
WA-105B-P	5	4	Fluted Skirted Instrument Knob	2	15/16	1/4	Yes	Yes
WA-106S	1	5	Fluted Skirted Instrument Knob, with Silver Inlay	1 1/4	3/4	1/4	Yes	No
WA-4100	1	6	Fully Fluted Stemmed Instrument Knob	1 1/8	5/8	1/4	Yes	Yes
WA-4100-P	5	6	Fully Fluted Stemmed Instrument Knob	1 1/8	5/8	1/4	Yes	Yes
WA-4100D	1	6	Fully Fluted Stemmed Instrument Knob	1 1/8	5/8	1/4	No	Yes
WA-4101	1	6	Fully Fluted Stemmed Instrument Knob	1 3/8	11/16	1/4	Yes	Yes
WA-4102	1	6	Fully Fluted Stemmed Instrument Knob	1 5/8	3/4	1/4	Yes	Yes
WA-4103	1	6	Fully Fluted Stemmed Instrument Knob	2 3/8	7/8	1/4	Yes	Yes
WA-4103-P	5	6	Fully Fluted Stemmed Instrument Knob	2 3/8	7/8	1/4	Yes	Yes



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Instrument Knobs (Continued)

Retail Part No.	Quantity per Package	Figure No.	Description	Outer Diameter (Inches)	Height (Inches)	Shaft Size (Inches)	Recessed for Locknut	Brass Insert
WA-4104	1	1	Fully Fluted Skirted/Stemmed Instrument Knob	1 1/2	51/64	1/4	Yes	Yes
WA-4107	1	1	Fully Fluted Skirted/Stemmed Instrument Knob	1 3/4	7/8	1/4	Yes	Yes
WA-4108	1	1	Fully Fluted Skirted/Stemmed Instrument Knob	2 1/16	7/8	1/4	Yes	Yes
WA-4108-P	5	1	Fully Fluted Skirted/Stemmed Instrument Knob	2 1/16	7/8	1/4	Yes	Yes
WA-4109	1	1	Fully Fluted Skirted/Stemmed Instrument Knob	3	1	1/4	Yes	Yes
WA-4109-P	5	1	Fully Fluted Skirted/Stemmed Instrument Knob	3	1	1/4	Yes	Yes
WA-1200	1	2	Round Instrument Knob, with Silver Inlay	1/2	5/8	1/4	No	No
WA-1200-P	5	2	Round Instrument Knob, with Silver Inlay	1/2	5/8	1/4	No	No
WA-1202	1	2	Round Instrument Knob, with Silver Inlay	3/4	5/8	1/4	Yes	No
WA-1202-P	5	2	Round Instrument Knob, with Silver Inlay	3/4	5/8	1/4	Yes	No
WA-1204	1	2	Round Instrument Knob, with Silver Inlay	1	11/16	1/4	Yes	No
WA-1204-P	5	2	Round Instrument Knob, with Silver Inlay	1	11/16	1/4	Yes	No
WA-1208	1	2	Round Instrument Knob, with Silver Inlay	1 3/4	13/16	1/4	Yes	No
WA-1208-P	5	2	Round Instrument Knob, with Silver Inlay	1 3/4	13/16	1/4	Yes	No
WA-1450	1	3	Round Instrument Knob	11/16	13/32	1/4	No	No
WA-1450G	1	3	Round Instrument Knob	11/16	13/32	1/8	No	No
WA-1475	1	3	Round Instrument Knob	1	1/2	1/4	Yes	No
WA-1475-P	5	3	Round Instrument Knob	1	1/2	1/4	Yes	No
790-1303	1	4	Round Military Instrument Knob	3/4	5/8	1/4	Yes	Yes
790-1308	1	5	Round Skirted Military Instrument Knob	1/2	11/16	1/8	Yes	Yes
790-1335	1	5	Round Skirted Military Instrument Knob	3/4	3/4	1/4	Yes	Yes
790-1260	1	6	Round Skirted Instrument Knob, with Silver Inlay	1/2	11/16	1/8	Yes	Yes
790-1261	1	6	Round Skirted Instrument Knob, with Silver Inlay	3/4	13/16	1/4	Yes	Yes

Pointer Knobs

Retail Part No.	Quantity per Package	Figure No.	Description	Length (Inches)	Height (Inches)	Shaft Size (Inches)	Recessed for Locknut	Brass Insert
WA-1210	1	7	Pointer Knob, with Silver Inlay	1	5/8	1/4	Yes	No
WA-1210-P	5	7	Pointer Knob, with Silver Inlay	1	5/8	1/4	Yes	No
790-1132	1	8	Round Pointer Knob	1 1/8	5/8	1/4	Yes	Yes
WA-1550	1	8	Round Pointer Knob	1 1/8	9/16	1/4	Yes	No
WA-1550-P	5	8	Round Pointer Knob	1 1/8	9/16	1/4	Yes	No
WA-2150	1	9	Flat-top Pointer Knob	1 1/4	9/16	1/4	Yes	No
WA-109	1	10	Fluted "Chicken Head" Pointer Knob	1 1/4	5/8	1/4	Yes	No
WA-109-P	5	10	Fluted "Chicken Head" Pointer Knob	1 1/4	5/8	1/4	Yes	No
WA-109B	1	10	Fluted "Chicken Head" Pointer Knob	1 1/4	5/8	1/4	Yes	Yes
790-1204	1	11	Ridge-top "Chicken Head" Pointer Knob	1 1/4	5/8	1/4	Yes	Yes
WA-2300	1	11	Ridge-top "Chicken Head" Pointer Knob	1 1/4	5/8	1/4	Yes	Yes
WA-2300A	1	11	Ridge-top "Chicken Head" Pointer Knob	1 1/4	5/8	1/4	Yes	No
790-1208	1	12	Ridge-top "Chicken Head" Pointer Knob, Elongated	2	5/8	1/4	Yes	Yes
WA-2350	1	12	Ridge-top "Chicken Head" Pointer Knob, Elongated	2	5/8	1/4	Yes	No

KNOBS (Cont.)



Fig. 1



Fig. 2



Fig. 3

Miscellaneous Knobs

Retail Part No.	Quantity per Package	Figure No.	Description	Outer Diameter (Inches)	Height (Inches)	Shaft Size (Inches)	Recessed for Locknut	Brass Insert
6126	1	1	Push/Pull Knob	5/8	7/16	1/4	No	Yes
30-5002-19R	1	2	Switch Knob	9/16 x 9/32	7/16	1/8 Square	No	No
790-1285	1	3	Single Bar Knob, with Silver Inlay	1/2	1/2	1/8	Yes	Yes



HOME THEATER



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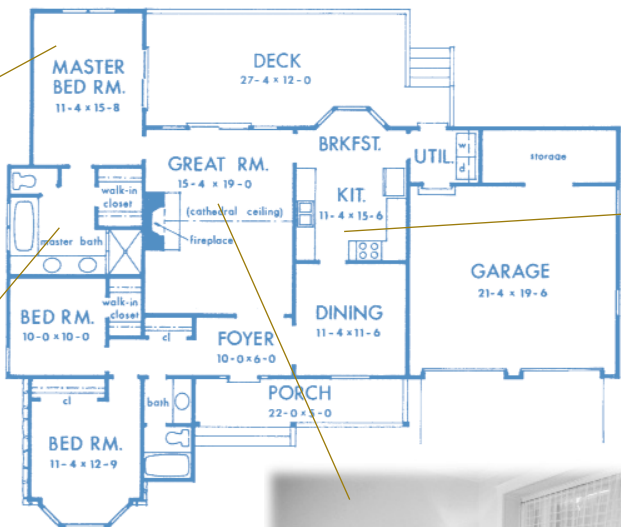
EPITOME[®] USES IN YOUR HOME

Epitome[®]

Speaker Systems



...bringing sound
to every room



*E*pitome® Speaker Systems bring sound to every room of your home from single or multiple sources...or can be tailored specifically for just one room. It's your choice.

Sound for every room

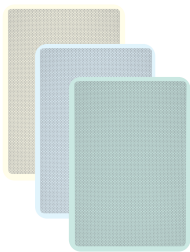
The Epitome® Sound System offers you the ideal speaker for any room in your home regardless of its size or shape. Bedroom, den, great room, kitchen, laundry room, rec room, patios, home theater ... you name it ... Epitome® has the speaker system best suited for that room!

Sound that is heard ... not seen

Taken from the premise that sound is heard and not seen ... Epitome has designed a sound system with speakers that are integrated into the existing walls of your home. The rich, vibrant sounds that envelop the room will seemingly come from nowhere.

Match your room decor

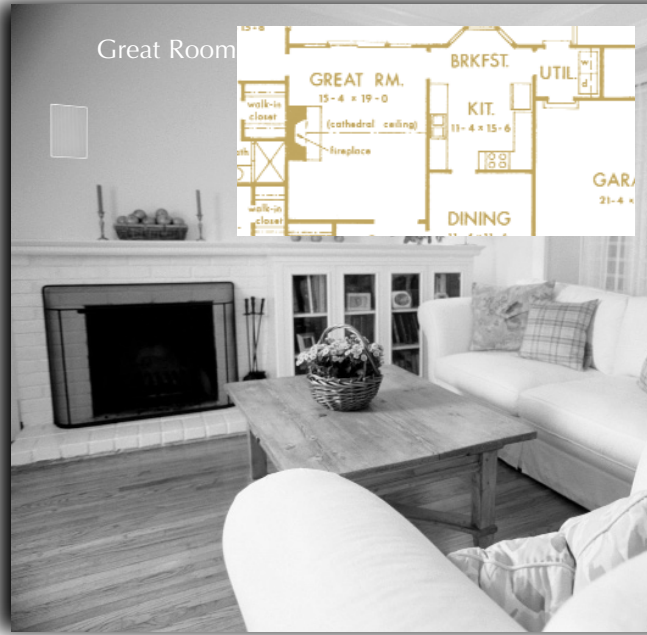
Paintable fine mesh speaker grills and flush mount bezels insure you of a "visual blending" of the speakers to the specific decor of each room.



Impressive depth and dimension sound reproduction

Epitome®'s engineers and their cutting edge designs provide you with sound reproduction that will impress the most critical audiophile. From clear, crisp highs to mind-numbing bass ... Epitome delivers!

You can select from 2-way to 3-way speaker systems with a power handling range of 40 to 120 watts ... Mylar soft dome tweeter and midrange ... and polycarbon woofers. Epitome® even offers you an in-wall subwoofer for booming bass.



Pinpoint sound placement with our 1-pivot and 2-pivot tweeter and midrange speakers

On select models, you can direct the tweeter and midrange sound to achieve the maximum listening pleasure for any size or shape room in your home. The tweeter and midrange dome speakers are mounted to allow pivot and swivel movement to achieve pinpoint accuracy. You have complete control to direct the high and midrange sounds to maximize your listening pleasure.



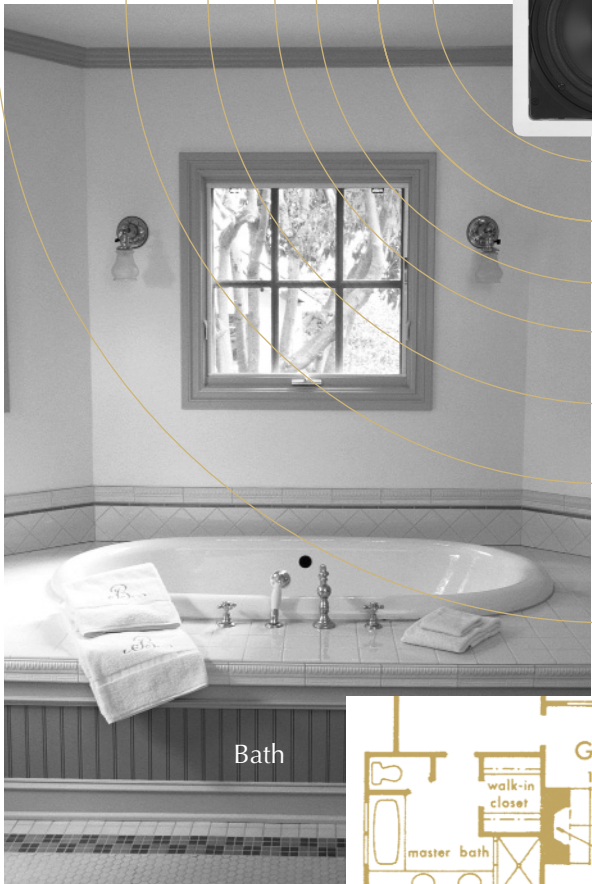
Easy installation ... minimal mess

Installation was never easier. No special mounting brackets ... no loose hardware to lose ... and best of all, clean up is kept to an absolute minimum!

Draw the speaker opening on the wall using the supplied template, cut out the opening using a drywall saw then just vacuum up the small amount of drywall dust. Then all you have to do is locate and connect the speaker wires, tighten the self-contained screws on our exclusive Easy-Mount system and pop on the speaker grille! It's as easy as that.

EPITOME[®] USES IN YOUR HOME (Cont.)

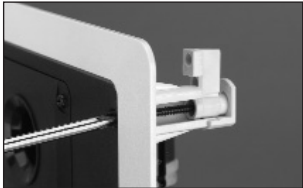
Any size room ...
any shape room.
Epitome[®] has the
speaker system to fill
any room
with rich,
clean sounds that
will complement
your listening tastes.



EPITOME® IN-WALL STEREO SPEAKERS

Exclusive “Easy-Mount”

Mounting of our in-wall speakers is a snap with *Epitome*®’s exclusive, “Easy Mount” system. After speaker wires have been connected, just insert the speaker in the wall and tighten each of four (4) screws with a hand screwdriver. It’s that easy! The tabs rotate behind the wall, “capturing” the speaker and drawing it tight to the wall. Simple, fast and easy...and...all without the chance of dropping or losing any loose hardware.





In-Wall Speakers

Retail Part No.	Fig. No.	Description	Watts Max/RMS	Frequency Response	Woofer/Magnet Wt.	Tweeter	Impedance	Weight lbs.	H	Dimensions W	D	Quantity
30-4050	1	2-Way In-wall Speaker	60/30	50-20 kHz	5.25"/10 oz.	1" M SD	8 Ohms	3.31	7.5"	11"	2.75"	1 Pair
30-4060	2	2-Way In-wall Speaker	70/35	40-20 kHz	6.5"/10 oz.	1" M SD	8 Ohms	3.62	12"	8.62"	3.25"	1 Pair
30-4062	3	3-Way In-wall Speaker	100/50	40-20 kHz	6.5"/10 oz.	1" M SD	8 Ohms	3.52	12"	8.62"	3.25"	1 Pair
30-4082	3	3-Way, 2 Swivel In-wall Speaker	120/60	35-20 kHz	8.0"/20 oz.	1" M SD	8 Ohms	4.6	14.12"	10"	3.5"	1 Pair
30-4081	4	2-Way, 1 Swivel In-wall Speaker	100/50	35-20 kHz	8.0"/20 oz.	1" M SD	8 Ohms	4.19	14.5"	8.62"	3.25"	1 Pair
30-4083	5	Dual Voice Coil Sub In-wall Speaker	100/50	30-600 Hz	8.0"/26 oz.	N/A	8 Ohms	7.2	14.12"	10"	3.63"	1 Each
30-4051	6	2-Way Round In-wall Speaker	60/30	70-20 kHz	5.25"/8 oz.	.50" M SD	8 Ohms	1.98	8.0" dia. x 3.0" depth			1 Pair
30-4063	6	2-Way Round In-wall Speaker	80/40	65-20 kHz	6.5"/11 oz.	.50" M SD	8 Ohms	2.56	9.125" dia. x 3.125" D			1 Pair

*Depth from front of wall to rear of speaker, given for clearance purpose.

EPITOME® IN-CEILING SPEAKERS

INTRODUCING EPITOME® MICRO SERIES®

The *Epitome*® Micro Series® are Halogen design micro-miniature speakers that blend in with Halogen Light Fixtures for Architectural Stealth Audio™. The 2-1/2" drivers are 4Ω and rated at 10 watts RMS, 20 watts Peak. Secure mounting in drywall is accomplished with two side springs. The housings are available in White and Black and are paintable so that custom colors can be applied. Perfect for background music, intercoms and paging.



Epitome® Micro Series® In-Ceiling Speakers

Retail Part No.	Bulk Part No.	Figure No.	Description	Color	Watts RMS/Peak	Quantity
30-3501		7	Halogen Style Ceiling Speaker, 2.5" Diameter	Black	10/20	1 Each
30-3502		8	Halogen Style Ceiling Speaker, 2.5" Diameter	White	10/20	1 Each

INTRODUCING EPITOME[®] ROCKSTM

GC Electronics adds Garden Rock speakers to the *Epitome*[®] line. *Epitome*[®] RocksTM are high fidelity speakers designed with high strength corrosion resistant fiberglass enclosures that simulate natural rocks. Each enclosure is waterproof and silicone sealed to provide years of listening enjoyment, regardless of weather conditions. Offered in seven models, they are perfect compliments to gardens, patios, pools, spas and walkways. They are also ideal for background music and public address systems at Hotels, Theme Parks, Civic Centers and Golf Courses. For individuality, the **30-3551** and **30-3552** can be used in pairs, as can the **30-3553**, **30-3554** and **30-3555**. The **30-3550** and **30-3556** should only be paired with themselves. **30-3550**, **30-3551**, **30-3552**, **30-3554** and **30-3556** are “Forward Firing”. **30-3553** and **30-3554** are “Omni-Directional”.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Home Theater

Rock Garden Speakers for Outdoor and Public Address Use

Retail Part No.	Fig. No.	Dimensions: Width" (mm) x Height" (mm) x Depth" (mm)	Woofer Cone Inches (mm)	Voice Coil Inches (mm)	Power No. / Maximum	Magnet	Response Hertz	Efficiency	Dome Tweeter	Quantity
30-3550	1	9.65 (245) x 8.15 (207) x 9.06 (230)	5.25 (130)	1 (25)	30/60 Watt	10 oz.	120~20,000	86dB	.5" (13 mm)	1 Each
30-3551	2	12.52 (318) x 8.15 (207) x 9.06 (230)	6.5 (165)	1 (25)	45/100 Watt	10 oz.	85~20,000	85dB	.5" (13 mm)	1 Each
30-3555	2	14.09 (358) x 12 (305) x 10.87 (276)	8 (200)	1 (25)	55/120 Watt	15 oz.	75~20,000	85dB	.5" (13 mm)	1 Each
30-3552	3	11.81 (300) x 15 (381) x 10.28 (261)	6.5 (165)	1.5 (35)	45/100 Watt	10 oz.	85~20,000	86dB	2" (51 mm)	1 Each
30-3553	4	12.52 (318) x 14.76 (375) x 12.36 (314)	8 (200)	1.5 (35)	60/120 Watt	20 oz.	80~20,000	85dB	.5" (13 mm)	1 Each
30-3554	5	14.76 (375) x 19.69 (500) x 13.98 (355)	8 (200)	1.5 (35)	60/120 Watt	20 oz.	80~20,000	85dB	.5" (13 mm)	1 Each
30-3556	6	21.38 (543) x 13.58 (345) x 21.14 (537)	10 (250)	1.5 (35)	60/125 Watt	20 oz.	75~20,000	86dB	.5" (13 mm)	1 Each

All Rock Speakers Include: •Weather Resistant: Waterproof, -4°F/-20°C •Polystyrene Body •Impedance: 6 Ohms

For the latest information—www.gcelectronics.com
All quantities are single; BU's are packages of 10 Unless otherwise noted.

EPITOMETM STAND ALONE SPEAKERS



Fig. 1

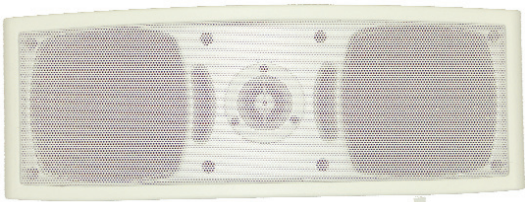


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Stand Alone Speakers

Retail Part No.	Fig. No.	Description	Watts Max/RMS	Frequency Response	Tweeter	Impedance	Dimensions/Wt.			lbs.	Color	Quantity
							H	W	D			
30-3532	1	Center Channel Speaker	100/50	150Hz-20kHz	1" SILK	8 Ohms	5 3/4"	14 1/2"	5 1/4"	N/A	Black	1 Each
30-3533	2	Center Channel Speaker	100/50	150Hz-20kHz	1" SILK	8 Ohms	5 3/4"	14 1/2"	5 1/4"	N/A	White	1 Each
30-3534	3	Center Channel Speaker	100/50	150Hz-20kHz	1" SILK	8 Ohms	5 3/4"	14 1/2"	5 1/4"	N/A	Silver	1 Each
30-3581	4	Bi-directional Speakers	120/(N/A)	250Hz-20 kHz	(2) 3" FR	4 Ohms	7 1/2"	3 3/4"	4 1/8"	N/A	Black	1Pair
30-3511	6	Indoor/Outdoor Speakers	80/(N/A)	50 HZ-20 kHz	1/2" H	8 Ohms	8 1/2"	5 5/8"	4 3/4"	N/A	White	1Pair
30-3561	8	Shielded Indoor/Outdoor	80/(N/A)	120 Hz-18 kHz	3/4" PD	8 Ohms	7 1/4"	4 1/2"	4 1/2"	N/A	White	1Pair
30-3562	8	Shielded Indoor/Outdoor	80/(N/A)	120 Hz-18 kHz	3/4" PD	8 Ohms	7 1/4"	4 1/2"	4 1/2"	N/A	Black	1Pair
30-3583	9	Bi-directional Speakers	100/50	250Hz-20 kHz	(2) 2 1/2"FR	4 Ohms	7"	3 7/16"	4 3/4"	N/A	White	1Pair

Notes: Abbreviations: M-Mylar; H-Horn; PD-Piezo Dome; SD-Soft Dome; FR-Full Range

5.1, 6.1, 7.1 and 7.2 Speaker Kits

New *Epitome*® Speaker Kits make it easy to order the correct speaker combination for your specific system with just one part number. The **30-3568** is perfect for all 5.1 receivers. The **30-3569** can be used with 6.1 receivers, or 7.1 receivers operated in the 6.1 mode. The **30-3571** is for all 7.1 receivers, or 9.1 receivers operated in the 7.1 mode. For the ultimate low frequency detail, the **30-3572** includes two of the **30-4090** 10" subwoofers. Perfect for use with receivers featuring Left and Right Subwoofer outputs, or, can be used with GC Electronics **30-1215** Audio Splitter.



Fig. 1



Fig. 2

Home Theater

5.1 Speaker Kit

Retail Part No.	Figure No.	Description	Color	Specifications (See Page No.)	Total No. of Speakers
30-3568	1	5.1 System Speaker Kit: 4 Surround Speakers, 1 Center Channel, and 1 Subwoofer	Black	174	6

6.1 Speaker Kit

Retail Part No.	Figure No.	Description	Color	Specifications (See Page No.)	Total No. of Speakers
30-3569	2	6.1 System Speaker Kit: 5 Surround Speakers, 1 Center Channel, and 1 Subwoofer	Black	174	7

For the latest information—www.gcelectronics.com
All quantities are single; BU's are packages of 10 Unless otherwise noted.

HOME THEATER SPEAKER KITS (Cont.)



Fig. 1



Fig. 2

7.1 Speaker Kit

Retail Part No.	Figure No.	Description	Color	Specifications (See Page No.)	Total No. of Speakers
30-3571	1	7.1 System Speaker Kit: 6 Surround Speakers, 1 Center Channel, and 1 Subwoofer	Black	174	8

7.2 Speaker Kit

Retail Part No.	Figure No.	Description	Color	Specifications (See Page No.)	Total No. of Speakers
30-3572	2	7.2 System Speaker Kit: 6 Surround Speakers, 1 Center Channel, and 2 Subwoofers	Black	174	9

EPITOME[®] SPEAKER BRACKETS



Fig. 1



Fig. 2



Fig. 3

Speakers Mounts

Retail Part No.	Figure No.	Description	Quantity
30-3400	1	Speaker Mounts-Black	1 Pair
30-3401	1	Speaker Mount-White	1 Pair
30-4005	2	5 1/4" Ceiling Bracket	1 Pair
30-4006	2	6 1/2" Ceiling Bracket	1 Pair
30-3402	3	Plastic Speaker Mount-Black , 22 lbs max	1 Pair
30-3403	3	Plastic Speaker Mount-White, 22 lbs max	1 Pair
30-4015	4	5 1/4" In-Wall Rough-In Bracket	1 Pair
30-4016	4	6 1/2" In-Wall Rough-In Bracket	1 Pair
30-4018	4	8" In-Wall Rough-In Bracket	1 Pair
30-3404	5	Suspended Ceiling/ Wall Mount-Black	1 Pair
30-3405	5	Suspended Ceiling/ Wall Mount-White	1 Pair

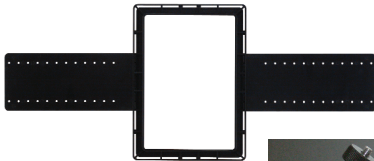


Fig. 4



Fig. 5

DISTRIBUTION PRODUCTS



Fig. 6

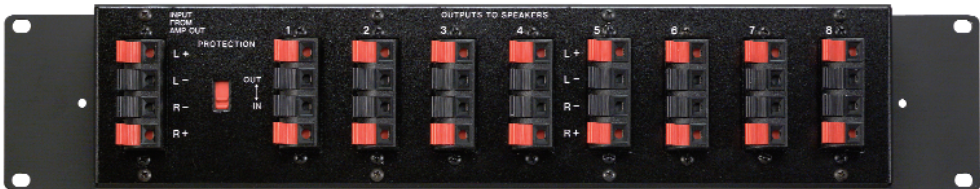


Fig. 7



Fig. 8



Fig. 9



Fig. 10

Distribution Products

Retail Part No.	Figure No.	Description	Watts (RMS)/(MAX)	Features
65-2005	6	6 Pair In-Wall Speaker Selector	100/200	2 Source; Selectable Impedance Protection
65-2025	7	Stereo Distribution Box	180(ON);300(OFF)	8 Stereo Inputs; 10/20 AWG Wire
65-2020	8	2 Source A/B Speaker Selector	N/A	Chose A or B Speakers or Both; 18 AWG Wire
65-7012	9	50 Watt 4 Pair Speaker Selector	25/50	Four Pairs Operate From One Source; Up to 14 AWG Wire
65-8712	10	200 Watt 6 Pair Speaker Selector	100/200	Six Pairs Operate From One Source; Up to 14 AWG Wire

REMOTE AND VOLUME CONTROLS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Home Theater

Volume Controls

Retail Part No.	Figure No.	Description	Color	Specifications
30-315	1	Cabinet Mounting Type	Black	15 watts audio. For use with 8-16 ohm speakers. Mono "L" pad
30-316	2	Cabinet Mounting Type	Black	15 watts audio. For use with 8-16 ohm speakers. Stereo "LL" pad
30-364	3	Wall Mounting Type	Black	10 watts peak audio. For use with 8-16 ohm speakers. Single "L" pad
30-372	3	Wall Mounting Type	Black	10 watts peak audio. For use with 8-16 ohm speakers. Stereo "LL" pad
65-1530	4	10 Step Stereo Volume Control-Standard	White	25 watts rms, 75 watts (avg), 8 ohms, 35Hz-20kHz, 30dB(max).10 switch steps
65-1620	5	10 Step Stereo Volume Control-Décor	White	25 watts rms, 50 watts (avg), 8 ohms, 20Hz-20kHz, 30dB(max).10 switch steps
65-3610	6*	12 Step Adj. Impedance Vol. Control-Standard	White	216 watts (max), 4-8 ohms, 35Hz-20kHz, 42dB in 12 steps, 3dB in 6 steps
65-3611	6*	12 Step Adj. Impedance Vol. Control-Standard	Ivory	216 watts (max), 4-8 ohms, 35Hz-20kHz, 42dB in 12 steps, 3dB in 6 steps
65-3635	6*	12 Step Adj. Impedance Vol. Control-Décor	Ivory	216 watts (max), 4-8 ohms, 35Hz-20kHz, 42dB in 12 steps, 3dB in 6 steps
65-3636	6*	12 Step Adj. Impedance Vol. Control-Décor	White	216 watts (max), 4-8 ohms, 35Hz-20kHz, 42dB in 12 steps, 3dB in 6 steps

*Requires 4" deep box

Remote Control

Retail Part No.	Figure No.	Description	Color	Specifications
65-2000	7	Universal Learning Remote Control	Silver	Backlit Touch Screen Control of 16 Devices with "Teach" Functions

For the latest information—www.gcelectronics.com
All quantities are single; BU's are packages of 10 Unless otherwise noted.

HOME THEATER AUDIO WALL PLATES

AUDIO WALL PLATES

A new expanded line of wall plates makes installation simpler than ever, and tidies up the increasing number of cables that advanced systems require. The **30-382** single speaker plate is ideal for the termination point of single speaker systems, and accepts bare wire or banana plugs. The **30-1515** is mounted on dual "J" boxes, supports two subwoofers, and has extra large spring-clips in front, and terminal strips in back.



Fig. 1

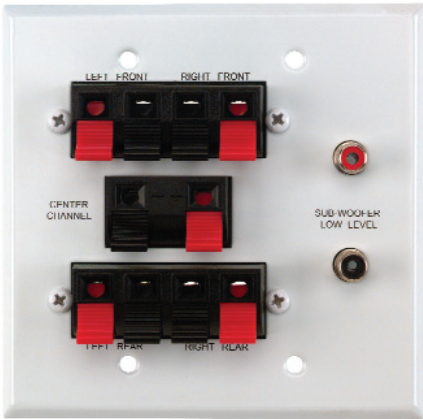


Fig. 2

Audio Wall Plates for Home Theater

Retail Part No.	Fig. No.	Description	Features
30-382	1	Home Theater Wall Panel	Binding Posts Accepts Bare Wire, Pin Plugs, Spade Lugs or Banana plugs
30-1515	2	Custom Speaker Wall Plate	Right, Left, Front & Rear & Center Spring Clips; 2 Woofer Plugs

HOME THEATER AUDIO WALL PLATES (Cont.)



Fig. 1



Fig. 2



Fig. 3

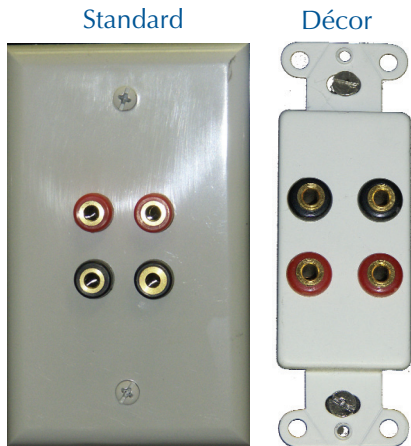


Fig. 4



Fig. 5



Fig. 6

Home Theater Audio Wall Plates

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White
5-Way Binding Post - Single Pair	1	2	30-1051	30-6050	30-1053	
5-Way Binding Post - Double Pair Gold	2	4	30-1151	30-1152	30-1153	65-310
Banana Jack- Single Pair Gold	3	2	30-6240	30-6140	30-6340	30-6040
Banana Jack- Double Pair Gold	4	4	30-6242	30-6142	30-6352 30-6352-BU	30-6342
Speaker Push-In Terminal Single Pair	5	2	30-1531	30-1534	30-1533	30-1535
Speaker Spring Clip Single Pair	6	2	30-1511 30-1511-BU	30-1512 30-1512-BU	30-1516 30-1516-BU	30-1510 30-1510-BU

HOME THEATER AUDIO WALL PLATES (Cont.)

Standard

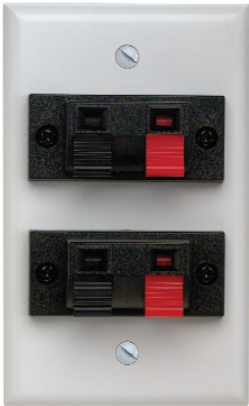


Fig. 1

Standard



Décor



Fig. 2

Standard



Décor

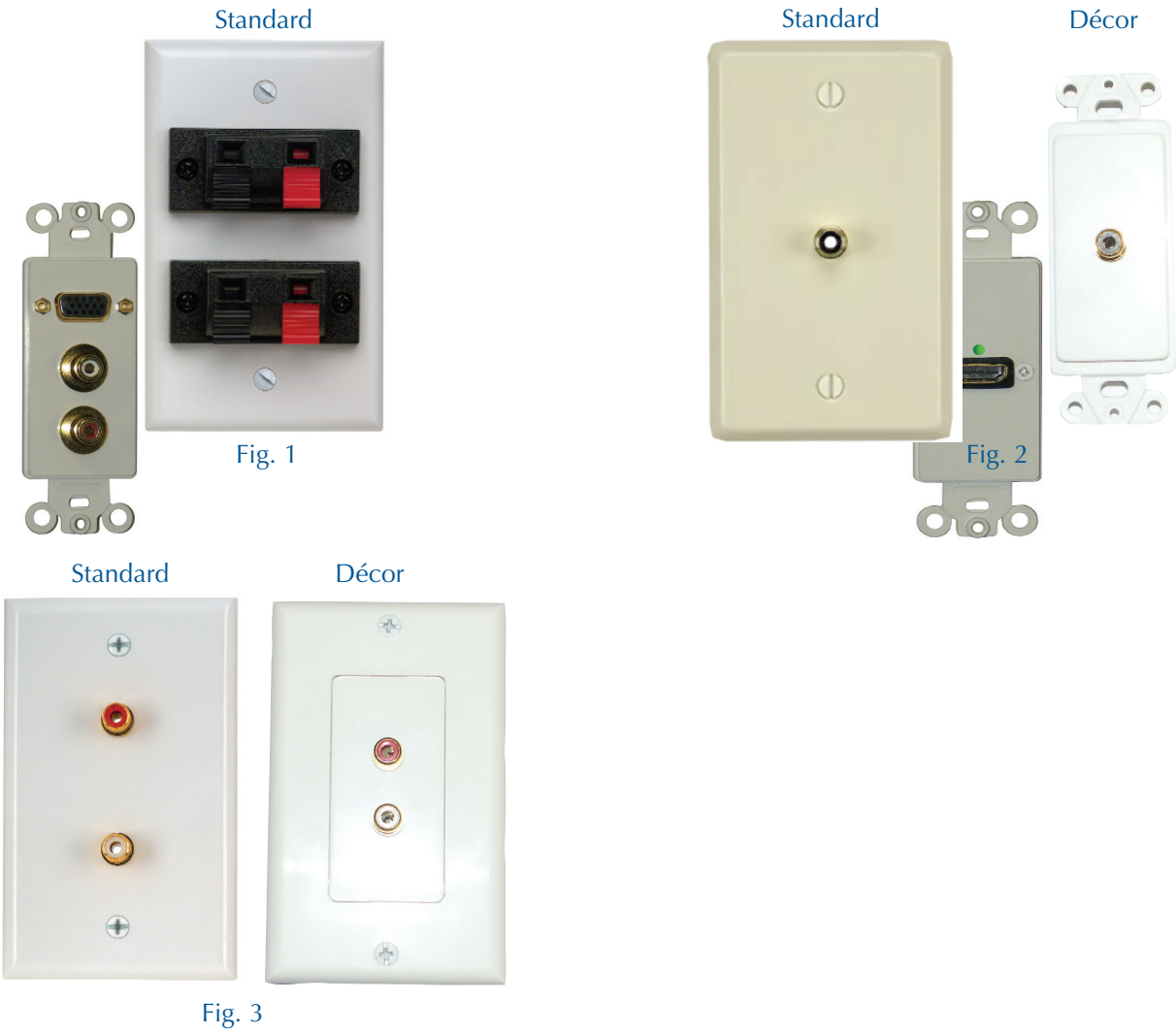


Fig. 3

Home Theater Audio Wall Plates (Cont.)

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White
Speaker Spring Clip Double Pair	1	4	30-1500 30-1500-BU	30-1501 30-1501-BU	30-1503 30-1503-BU	
RCA Jack - Single Connector Gold	2	1	30-1041 30-1041-BU	30-1042 30-1042-BU	30-1044 30-1044-BU	30-1040 30-1040-BU
RCA Jack - Double Connector Gold	3	2	30-1141	30-1142	30-1144	30-1140

HOME THEATER AUDIO WALL PLATES (Cont.)



Home Theater Audio Wall Plates (Cont.)

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White
Speaker Spring Clip Double Pair	1	4	30-1500 30-1500-BU	30-1501 30-1501-BU	30-1503 30-1503-BU	
RCA Jack - Single Connector Gold	2	1	30-1041 30-1041-BU	30-1042 30-1042-BU	30-1044 30-1044-BU	30-1040 30-1040-BU
RCA Jack - Double Connector Gold	3	2	30-1141	30-1142	30-1144	30-1140

HOME THEATER VIDEO WALL PLATES (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Home Theater Video Wall Plates-Combo

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White
RCA Jack - Triple Connector Gold	1	3	30-1160 30-1160-BU	30-1161 30-1161-BU	30-1244 30-1244-BU	30-1240 30-1240-BU
RCA Jack- Double & Coax - Single Gold	2	3	30-1170 30-1170-BU	30-1171 30-1171-BU	32-3826 32-3826-BU	32-3822 32-3822-BU
Coax-Double & Telephone Jack-Single	3	2	32-3832 32-3832-BU	32-3834 32-3834-BU	32-3836 32-3836-BU	32-8241

Home Theater Video Wall Plates-Rotor, Tap-off

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White
Antenna/Rotor Wall Plate	4	2	32-086			
Selectable Isolation Tap-Off Wall Plate	5	1	32-3169-BU (8-Pack)	32-3065-BU (8-Pack)		
Tap-Off Wall Plate 12dB Drop Tap	6	1		32-3291-BU	32-3293-BU	

Home Theater Video Wall Plates-Gold

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White	Standard Oak
Coax Single Gold Connector	7	1	32-3862 32-3862-BU	32-3770 32-3770-BU	32-3769 32-3769-BU	32-3759 32-3759-BU	32-3067 32-3067-BU

HOME THEATER VIDEO WALL PLATES (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Home Theater

Home Theater Video Wall Plates (Cont.)

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Standard Brown	Decor White	Decor Ivory	Decor Lt. Almond
Coax-Single	1	1	32-3066 32-3066-BU 32-3066-40	32-3062 32-3062-BU	32-3192-BU	32-3060 32-3060-BU	32-3059 32-3059-BU	32-3061 32-3061-BU	32-3191-BU
Coax-Single MidSize	1	1	32-3043-BU	32-3047-BU	32-3046-BU				
Coax-Double	2	2	32-3197 32-3197-BU	32-3063 32-3063-BU	32-3193-BU		32-3196 32-3196-BU		
Coax-Double Gold Connector	3	2	32-3897 32-3897-BU	32-3763 32-3763-BU	32-3768 32-3768-BU		32-3896 32-3896-BU		

Home Theater Video Wall Plate Face Plates

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White	Standard Oak
Feed-Thru Wall Plate	4	N/A	32-3054 32-3054-BU	32-3053 32-3053-BU			
Blank Wall Plate	5	N/A	45-994 45-994-BU	45-995 45-995-BU	45-996 45-996-BU	30-1000 30-1000-BU	
Décor Single Trim Plate	6	N/A				30-1010 30-1010-BU	
Décor Double Trim Plate	7	N/A				30-1020 30-1020-BU	

HOME THEATER VIDEO WALL PLATES (Cont.)

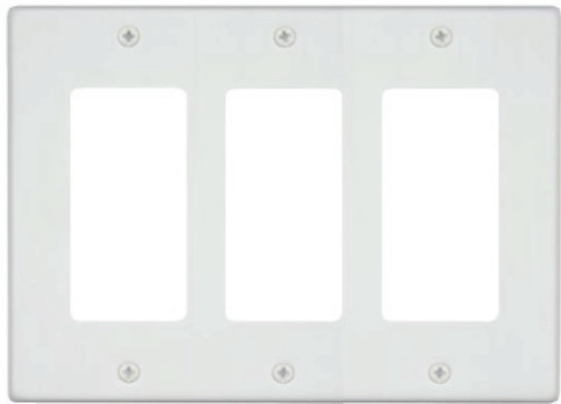


Fig. 1

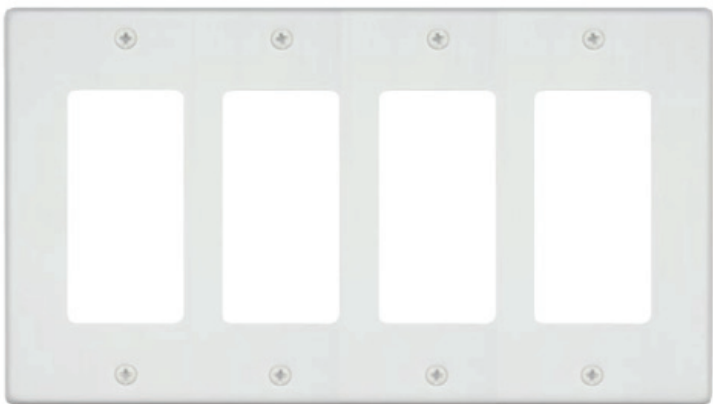


Fig. 2

Home Theater Video Wall Plate Face Plates (Cont.)

Wall Plate Style	Figure No.	No. of Devices	Standard White	Standard Ivory	Standard Lt. Almond	Décor White	Décor Ivory
Décor Triple Trim Plate	1	N/A				65-404 65-404-BU	
Décor Quadruple Trim Plate	2	N/A				30-1047 30-1047-BU	

MID-SIZE COMBINATION WALL PLATES

Telephone/Coax

Specially designed wall plate allows hookup of both modular telephone wire and coax cable from one location. Complies with FCC part 68. Complies with UL Standard 1863 and Article 800-51 of the National Electrical Code.

Part No.	Color	Conductor
30-8353-BU	Light Almond	4
30-8357-BU	Ivory	4
30-8359-BU	White	4



COMBINATION WALL PLATES

Telephone/Coax

Specially designed wall plate allows hookup of both modular telephone wire and coax cable from one location.

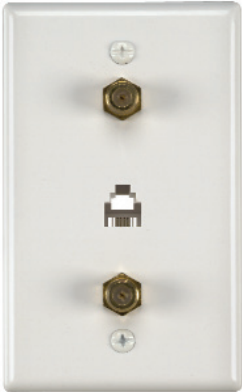
Part No.	Part No. 	Decor	Color	Conductor
30-9732		30-9778	Ivory	4
30-9732-BU		30-9778-BU	Ivory	4
	30-8047-BU		Ivory	4
30-9733		30-9779	White	4
30-9733-BU		30-9779-BU	White	4
	30-8049-BU		White	4
30-9731-BU	30-8043-BU		Light Almond	4
	30-8063-BU		Light Almond	6
	30-8067-BU		Ivory	6
	30-8069-BU		White	6



Telephone/Dual Coax

Specially designed wall plate allows hookup of both modular telephone wire and coax cable from one location. Complies with FCC part 68. Complies with UL Standard 1863 and Article 800-51 of the National Electrical Code.

Part No.	Color	Conductor
30-8243-BU	Light Almond	4
30-8247-BU	Ivory	4
30-8249-BU	White	4



Electrical Coax/Telephone

Combines for convenience the installation of an electrical, telephone, and coax wall plate into one plate.

Part No.	Color	Conductor
30-9715	Ivory	4
30-9715-BU	Ivory	4
30-9735	White	4
30-9735-BU	White	4



SURGE PROTECTION

HOME THEATER SURGE PROTECTION

The *Epitome*® line of surge protectors have you covered for all your protection needs. From the 200 Joule strip for small inexpensive devices to the 6900 Joule Home Theater strip that has almost triple the protection of the "best brand". Besides having 3-line protection, Phone, Fax, Modem and Satellite protection and LED indicators, several new innovations have been added. Model **64-694** features 6900 Joules, full accessory protection, and full color-coding.

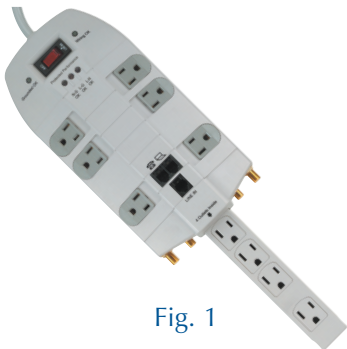


Fig. 1

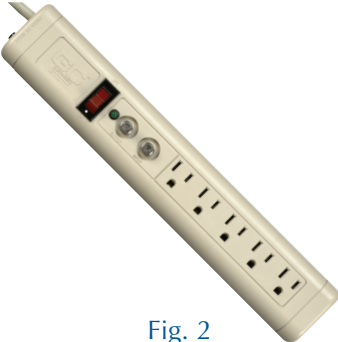


Fig. 2



Fig. 3

D-C-T* Surge Protection

Retail Part Number	Figure No.	No. of Outlets	Description	Cord Specs	Color	15 amp Breaker	D-DSS Coax Tele*	Max Joules
64-670	1	10	Home Ent. System Surge	6' - 14/3	Gray	Y	D, C, T-160 J	1665 J
64-830	2	5	Surge EMI/RFI Strip	4' - 14/3	Ivory	Y	C-46 J	200 J

T-F-M-C-S-A* Surge Protection

Retail Part No.	Figure No.	Description	No. of Outlets	T-F-M* Protection	Coaxial* Protection	Maximum Joules
64-694	3	Home Entertainment Surge Protection with Color Coded Line Cord Labels	10	T, F, M	C, S, A	6900 J

*Key to Protection: D=Digital, C=Coaxial Cable, T=Telephone, F=Fax, M=Modem, S=Satellite, A=Antenna

AUDIO/VIDEO CABLES

EPITOME®, EPITOME® PRO, EPITOME® PRO + AUDIO/VIDEO CABLES

The Audio/Video Cable range covers everything from your basic/temporary installations, to the most sophisticated audiophile systems. The Basic range provides exceptional value with very good build quality. The *Epitome*® range features pure oxygen-free copper and gold plated connectors. The *Epitome*® Pro range exceeds most competing cables on the market in build quality, features and performance. The *Epitome*® Pro + range sets the new benchmark for ultimate cable performance.

Audio/Video Cable Matrix

	Basic		Epitome® Cables (Good)		Epitome® Pro Cables (Better)		Epitome® Pro + Cables (Best)	
HDMI					65-1930-15 65-1930-3		65-1960-15 65-1960-25 65-1960-3 65-1960-6	65-1964-15
HDMI/ DVI			65-1910-15 65-1910-25	65-1914-15	65-1940-15 65-1940-25		65-1974-25 65-1974-3	65-1970-15
DVI			65-1924-15 65-1924-25 65-1890-15 32-3182	65-1920-15			65-1984-25 65-1984-6	65-1980-15 65-1980-6
DVI/ VGA			32-3181 65-1892-15					
S-VHS			65-4412 65-4406 65-4403	65-4409 65-4408 65-4407			65-1700-2M	
RCA- 9.1 Surround Sound			Contact		GC	Sales	Personnel	
RCA- 7.1 Surround Sound	65-1802-1M 65-1802-2M 65-1802-3M	65-1801-1M 65-1801-2M 65-1801-3M						
RCA- 5.1 Surround Sound	65-1804-1M 65-1804-2M 65-1804-3M	65-1803-1M 65-1803-2M 65-1803-3M						
RCA- Subwoofer								
RCA- Component	32-1538		65-4512 65-4506 65-4503		65-911 65-910 65-909		65-961 65-960 65-959	65-1710-1M
RCA- Composite	30-1537		65-4312 65-4306 65-4303 30-1884		65-908 65-907 65-906		65-958 65-957 65-956	65-1709-3M
RCA- Stereo	30-409 30-408 30-407	30-408-3 30-407-3	65-4212 65-4206 65-4203		65-905 65-904 65-903		65-955 65-954 65-953	65-1706-2M
RCA- Mono	30-406 30-404 30-402 30-400		65-4125 65-4112 65-4106 65-4103		65-902 65-901 65-900		65-952 65-951 65-950	65-1703-2M

For the latest information—www.gcelectronics.com

All quantities are single; BU's are packages of 10 Unless otherwise noted.

AUDIO/VIDEO CABLES (Cont.)

RCA BASIC CABLES

GC Electronic Basic Cables are made with high quality Oxygen Free Copper (OFC) and are shielded for EMI/RFI (Electro Magnetic Interference/Radio Frequency Interference) to provide good all around performance at a low cost.



Mono

Fig.1



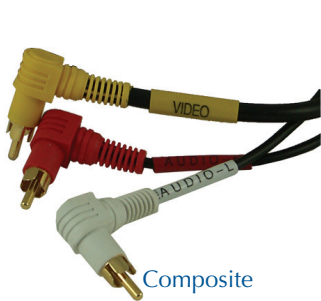
Stereo

Fig.2



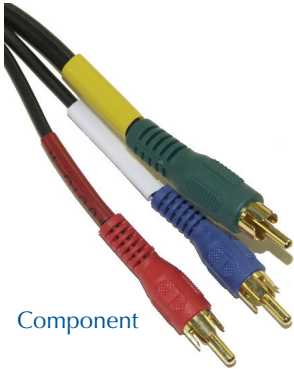
Composite

Fig.3



Composite

Fig.4



Component

Fig.5



5.1 Surround Sound

Fig.6



7.1 Surround Sound

Fig.7

Basic RCA Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
30-400		1	Shielded Single RCA Plug to Single RCA Plug-Mono	.5	No
30-402		1	Shielded Single RCA Plug to Single RCA Plug-Mono	1	No
30-404		1	Shielded Single RCA Plug to Single RCA Plug-Mono	2	No
30-406		1	Shielded Single RCA Plug to Single RCA Plug-Mono	3.75	No
30-407		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo	1	No
30-407-3		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	1	No
30-408		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo	2	No
30-408-3		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	2	No
30-409		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo	3.75	No
30-1537		3	Composite Audio/Video Triple RCA Plugs RWY to Triple RCA Plugs RWY-Interconnect-Gold	2	No
30-1540		4	Composite Audio/Video Rt. Angle Triple RCA Plugs RWY to Rt. Angle Triple RCA Plugs RWY-Interconnect-Gold	1	No
32-1538		5	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	2	No
65-1803-1M		6	RCA 5.1 Channel Audio Cable - 6xRCA to 6xRCA	1	No
65-1803-2M		6	RCA 5.1 Channel Audio Cable - 6xRCA to 6xRCA	2	No
65-1803-3M		6	RCA 5.1 Channel Audio Cable - 6xRCA to 6xRCA	3.75	No
65-1804-1M		6	RCA 5.1 Channel Audio Cable, Fully Shielded - 6xRCA to 6xRCA	1	No
65-1804-2M		6	RCA 5.1 Channel Audio Cable, Fully Shielded - 6xRCA to 6xRCA	2	No
65-1804-3M		6	RCA 5.1 Channel Audio Cable, Fully Shielded - 6xRCA to 6xRCA	3.75	No
65-1801-1M		7	RCA 7.1 Channel Audio Cable - 8xRCA to 8xRCA	1	No
65-1801-2M		7	RCA 7.1 Channel Audio Cable - 8xRCA to 8xRCA	2	No
65-1801-3M		7	RCA 7.1 Channel Audio Cable - 8xRCA to 8xRCA	3.75	No
65-1802-1M		7	RCA 7.1 Channel Audio Cable, Fully Shielded - 8xRCA to 8xRCA	1	No
65-1802-2M		7	RCA 7.1 Channel Audio Cable, Fully Shielded - 8xRCA to 8xRCA	2	No
65-1802-3M		7	RCA 7.1 Channel Audio Cable, Fully Shielded - 8xRCA to 8xRCA	3.75	No

AUDIO/VIDEO CABLES (Cont.)

RCA EPITOME® CABLES

GC Electronics *Epitome*® Cables are made using heavier AWG High Quality Oxygen Free Copper (OFC) than our Basic Cables for better power transfers and EMI/RFI shielding. GC *Epitome*® Cables also have Gold connectors for maximum corrosion protection assuring long life and performance.



Mono
Fig.1



Stereo
Fig.2



Composite
Fig.3



Composite
Fig.4



Component
Fig.5

Home
Theater

RCA Epitome® Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
65-4103		1	Shielded Single RCA Plug to Single RCA Plug-Mono-Gold	1	No
65-4106		1	Shielded Single RCA Plug to Single RCA Plug-Mono-Gold	2	No
65-4112		1	Shielded Single RCA Plug to Single RCA Plug-Mono-Gold	3.75	No
65-4125		1	Shielded Single RCA Plug to Single RCA Plug-Mono-Gold	7.6	No
65-4203		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	1	No
65-4206		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	2	No
65-4212		2	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	3.75	No
30-1884		3	Composite Video Triple RCA Plugs (Red, Black, Silver) to Triple RCA Plugs (Red, Black, Silver)-Gold	2	No
65-4303		4	Composite Video Triple RCA Plugs RWY to Triple RCA Plugs RWY-Gold	1	No
65-4306		4	Composite Video Triple RCA Plugs RWY to Triple RCA Plugs RWY-Gold	2	No
65-4312		4	Composite Video Triple RCA Plugs RWY to Triple RCA Plugs RWY-Gold	3.75	No
65-4503		5	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	1	No
65-4506		5	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	2	No
65-4512		5	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	3.75	No

For the latest information—www.gcelectronics.com
All quantities are single; BU's are packages of 10 Unless otherwise noted.

AUDIO/VIDEO CABLES (Cont.)

EPITOME®-PRO SPC DIGITAL CABLES (BETTER)

Silver Plated Copper (SPC) is enhanced by silver. Silver has the highest electrical conductivity of any metal, 105% better than copper, along with silver's superior oxidation and corrosion resistance, allows SPC cable to carry more signal with less signal loss and distortion. SPC cables give you truer reproduction of your analog or digital audio and video signals for crisper sound and sharper images.



Mono
Fig. 1



Stereo
Fig. 2



Composite
Fig. 3



Component
Fig. 4

RCA Epitome®-Pro SPC Digital Cables (Better)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
65-900		1	Shielded Single RCA Plug to Single RCA Plug–Mono-Gold	1	No
65-901		1	Shielded Single RCA Plug to Single RCA Plug–Mono-Gold	2	No
65-902		1	Shielded Single RCA Plug to Single RCA Plug–Mono-Gold	3.75	No
65-903		2	Shielded Dual RCA Plugs to Dual RCA Plugs–Stereo-Gold	1	No
65-904		2	Shielded Dual RCA Plugs to Dual RCA Plugs–Stereo-Gold	2	No
65-905		2	Shielded Dual RCA Plugs to Dual RCA Plug–Stereo-Gold	3.75	No
65-906		3	Composite Audio/Video Triple RCA Plugs RWY to Triple RCA Plugs RWY, Interconnect-Gold	1	No
65-907		3	Composite Audio/Video Triple RCA Plugs RWY to Triple RCA Plugs RWY, Interconnect-Gold	2	No
65-908		3	Composite Audio/Video Triple RCA Plugs RWY to Triple RCA Plugs RWY, Interconnect-Gold	3.75	No
65-909		4	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	1	No
65-910		4	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	2	No
65-911		4	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	3.75	No

AUDIO/VIDEO CABLES (Cont.)

EPITOME®-PRO + PCOCC DIGITAL CABLES

PCOCC copper is an Ultra Pure, Single Crystal, Oxygen Free Copper (99.9997% to better than 99.9999% Pure) made using the Ohno Continuous Casting process. Normal OFC is made up of thousands of copper crystals, the more copper crystals, the more gas impurities and Crystal boundaries there are to distort signals. PCOCC Copper has the lowest number of copper crystals and gas impurities (see chart). PCOCC Component and Composite interconnect cables provide Ultra High Fidelity Signal Reproduction for your High End Digital Audio and Video Equipment. If you demand Full, Robust Audio and Vivid Video from your Home Theater then you should use the *Epitome®* Pro+ Home Theater Cables.



Home Theater

RCA Epitome®-Pro + PCOCC Digital Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
65-1703-2M		1	Single RCA Plug to Single RCA Plug-Mono	2	No
65-1706-2M		2	Dual RCA Plugs to Dual RCA Plugs-Stereo	2	No
65-1709-1M		3	Composite Audio/Video Triple RCA Plugs Right/Left Audio to Triple RCA Plugs Composite Video	1	No
65-1709-2M		3	Composite Audio/Video Triple RCA Plugs Right/Left Audio to Triple RCA Plugs Composite Video	2	No
65-1709-3M		3	Composite Audio/Video Triple RCA Plugs Right/Left Audio to Triple RCA Plugs Composite Video	3.75	No
65-1710-1M		4	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB	1	No
65-950		5	Shielded Single RCA Plug to Single RCA Plug-Mono-Gold	1	No
65-951		5	Shielded Single RCA Plug to Single RCA Plug-Mono-Gold	2	No
65-952		5	Shielded Single RCA Plug to Single RCA Plug-Mono-Gold	3.75	No
65-953		6	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	1	No
65-954		6	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	2	No
65-955		6	Shielded Dual RCA Plugs to Dual RCA Plugs-Stereo-Gold	3.75	No
65-956		7	Composite Audio/Video Triple RCA Plugs RWY to Triple RCA Plugs RWY, Interconnect-Gold	1	No
65-957		7	Composite Audio/Video Triple RCA Plugs RWY to Triple RCA Plugs RWY, Interconnect-Gold	2	No
65-958		7	Composite Audio/Video Triple RCA Plugs RWY to Triple RCA Plugs RWY, Interconnect-Gold	3.75	No
65-959		8	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	1	No
65-960		8	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	2	No
65-961		8	Component Video Triple RCA Plugs RGB to Triple RCA Plugs RGB-Gold	3.75	No

AUDIO/VIDEO CABLES (Cont.)

S-VHS *EPITOME*[®], *EPITOME*[®]-PRO + CABLES

S-VHS offers a superior picture to the single Yellow Composite Video jack by splitting the Luminance and Chrominance signals. All *Epitome*[®] S-VHS cables feature gold-plated connections to maximize signal transfer while affording long-term tarnish free connection. The *Epitome*[®]-Pro+ cables have superior cable and full metal connectors for maximum shielding and strength.



Fig.1



Fig.2

S-VHS *Epitome*[®] Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
65-4403		1	Composite Cable S-VHS Plug to S-VHS Plug-Gold	1	No
65-4406		1	Composite Cable S-VHS Plug to S-VHS Plug-Gold	2	No
65-4412		1	Composite Cable S-VHS Plug to S-VHS Plug-Gold	3.75	No

S-VHS *Epitome*[®]-Pro + Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
65-1700-2M		2	S-VHS Plug to S-VHS Plug -Gold	2	No

VGA, DVI & HDMI, BNC, RCA EPITOME® CABLES (GOOD)

For use with High-Definition Plasma and LCD displays, interfacing with DVD, cable converters, and Satellite systems. DVI (Digital Visual Interface) and HDMI (High Definition MultiMedia Interface) are the latest connection standards that support High Definition multi-channel audio and high band-width uncompressed video transmissions. The use of Oxygen Free Copper with 100% foil shielded signal with a tightly braided outer shield assures low signal loss and maximum resolution. Terminations are 24 kt. Gold plated, and molded to ultra flexible PVC jackets resulting in durability and ease of installation.

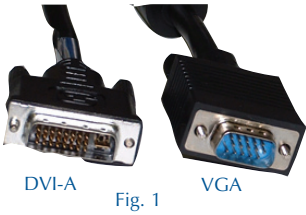


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

VGA Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
32-3181		1	DVI-A to VGA Heavy Duty (HD) 15—with Ferrite Beads	2	Yes
65-1892-15		1	DVI-A to VGA Heavy Duty (HD) 15	4.57	No

DVI, HDMI Epitome® Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
32-3182		2	DVI-A to 5xBNC (Blue, White, Red, Black, Green)	2	No
65-1890-15		3	DVI-D to DFP (MDR 20) Pin Plug	4.57	No
65-1920-15		4	DVI-I to DVI-I Single Link	4.57	No
65-1924-15		4	DVI-I to DVI-I Dual Link	4.57	No
65-1924-25		4	DVI-I to DVI-I Dual Link	7.62	No
65-1910-15		5	HDMI to DVI-D	4.57	No
65-1910-25		5	HDMI to DVI-D	7.62	No
65-1914-15		5	HDMI to DVI-D with Ferrite Beads	4.57	Yes

BNC Cables

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Meters)	Ferrite Bead
32-3189			3xBNC	4.57	No

AUDIO/VIDEO CABLES (Cont.)

DVI & HDMI *EPITOME®-PRO* CABLES (BETTER)

For use with High-Definition Plasma and LCD displays, interfacing with DVD, cable converters, and Satellite systems. DVI (Digital Visual Interface) and HDMI (High Definition MultiMedia Interface) are the latest connection standards that support High Definition multi-channel audio and high band-width uncompressed video transmissions. The use of Oxygen Free Copper with 100% foil shielded signal with a tightly braided outer shield assures low signal loss and maximum resolution. Terminations are 24 kt. Gold plated, and molded to ultra flexible PVC jackets resulting in durability and ease of installation. The *Epitome®-Pro* Series feature stronger molding and greater shielding.



HDMI Fig. 1 DVI-D



HDMI Fig. 2 HDMI

DVI, HDMI *Epitome®-Pro* Cables (Better)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Length (Meters)	Ferrite Bead
65-1940-15		1	HDMI to DVI-D	15	4.6	No
65-1940-25		1	HDMI to DVI-D	25	7.6	No
65-1930-3		2	HDMI to HDMI	3	0.9	No
65-1930-15		2	HDMI to HDMI	15	4.6	No

AUDIO/VIDEO CABLES (Cont.)

DVI & HDMI *EPITOME*®-PRO + CABLES (BEST)

For use with High-Definition Plasma and LCD displays, interfacing with DVD, cable converters, and Satellite systems. DVI (Digital Visual Interface) and HDMI (High Definition MultiMedia Interface) are the latest connection standards that support High Definition multi-channel audio and high band-width uncompressed video transmissions. The use of Oxygen Free Copper with 100% foil shielded signal with a tightly braided outer shield assures low signal loss and maximum resolution. Terminations are 24 kt. Gold plated, and molded to ultra flexible PVC jackets resulting in durability and ease of installation. The *Epitome*®-Pro+ Series feature the strongest connectors, and the finest Pure Copper utilizing the Ohno Continuous Casting process.



Fig. 1



Fig. 2



Fig. 3

DVI, HDMI *Epitome*®-Pro + Cables (Best)

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Feet)	Length (Meters)	Ferrite Bead
65-1980-6		1	DVI-I to DVI-I Metal Single Link	6	1.8	No
65-1980-15		1	DVI-I to DVI-I Metal Single Link	15	4.6	No
65-1984-6		1	DVI-I to DVI-I Metal Dual Link	6	1.8	No
65-1984-25		1	DVI-I to DVI-I Metal Dual Link	25	7.6	No
65-1970-15		2	HDMI to DVI-D Metal	15	4.6	No
65-1974-3		2	HDMI to DVI-D Metal with Ferrite Bead	3	0.9	Yes
65-1974-25		2	HDMI to DVI-D Metal with Ferrite Bead	25	7.6	Yes
65-1960-3		3	HDMI to HDMI Metal	3	0.9	No
65-1960-6		3	HDMI to HDMI Metal	6	1.8	No
65-1960-15		3	HDMI to HDMI Metal	15	4.6	No
65-1960-25		3	HDMI to HDMI Metal	25	7.6	No
65-1964-6		3	HDMI to HDMI Metal with Ferrite Bead	6	1.8	Yes
65-1964-15		3	HDMI to HDMI Metal with Ferrite Bead	15	4.6	Yes

COPPER GRADE COMPARISONS

Grade	Purity	Specific Gravity	Oxygen Impurities	Hydrogen Impurities	Average Crystal Size	Crystals per Meter
PC-TPC	>99.9%	8.75	200-500ppm	>0.5ppm	0.007m	150.00pcs
PC-OFC	>99.99%	8.926	<10ppm	<0.5ppm	0.02m	50.00pcs
PC-OCC	>99.999%	8.938	<5ppm	<0.25ppm	125.00m	0.008pcs

Grade Meanings:

- PC-TPC= Pure Copper-Tough Pitch Copper
- PC-OFC= Pure Copper-Oxygen Free Copper
- PC-OCC= Pure Copper-Ohno Continuous Casting

TOSLINK TECHNOLOGY

TOSLINK TECHNOLOGY

The TosLink digital optical cables have been designed for the truest transmission of the newest standard in digital audio. This Fiber Optic Cable technology delivers the most accurate bitstream transfer for the clearest, smoothest possible sound from CD players, MiniDisc, DVD players, outboard DACs, and digital satellite receivers with compatible input/output jacks.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Toslink

Retail Part No.	Figure No.	Description	Cable Length
65-5010	1	Toslink Male to Toslink Male	1m (~3')
65-5020	1	Toslink Male to Toslink Male	2m (~6')
65-5045	1	Toslink Male to Toslink Male	4.5m (~14')
65-5210	2	Toslink Male to 3.5 Male	1m (~3')
65-5220	2	Toslink Male to 3.5 Male	2m (~6')
65-5245	2	Toslink Male to 3.5 Male	4.5m (~14')
65-5110	3	3.5 Male to 3.5 Male	1m (~3')
65-5120	3	3.5 Male to 3.5 Male	2m (~6')
65-5145	3	3.5 Male to 3.5 Male	4.5m (~14')
65-5050	4	Toslink Coupler Toslink Jack to Toslink Jack	N/A
65-5150	5	Toslink Adapter Toslink Plug to 3.5mm Jack	N/A
65-5051	6	Toslink Adapter Toslink Jack to 3.5mm Plug	N/A
65-5052	7	Toslink Splitter Combiner	N/A
65-5053	8	Toslink Digital Converter	N/A

RCA AUDIO CONNECTORS

RCA AUDIO CONNECTORS KIT

RCA audio connectors, and their color bands, are included in this heavy duty plastic kit. Each kit contains 10 of each of the connector part numbers and 100 of each of the color band part numbers listed below. When the connectors and color bands run out, the parts are easily replaced by ordering each individually or in bulk packages of 10 (add “-BU” to end of order for bulk packages. (See pages 201-203 for more information)).

RCA Audio Connectors Kit Part No.: **65-650** 2.8 mm Cable O.D. Kit
65-651 4.0 mm Cable O.D. Kit
65-652 6.0 mm Cable O.D. Kit
65-653 8.0 mm Cable O.D. Kit

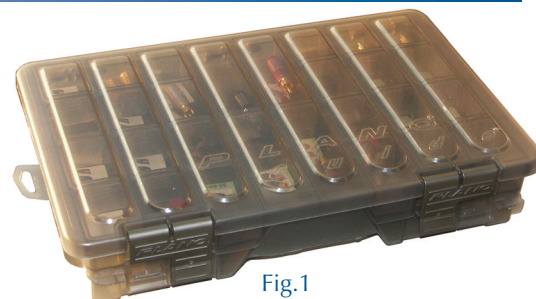


Fig.1

RCA Audio Connectors Kit

Retail Part No.	Bulk Part No.	Figure No.	Type 1 Color Bands	Type 2 Color Bands	RCA Epitome® Audio Connectors (Good)	RCA Epitome®-Pro Audio Connectors (Better)			RCA Epitome®-Pro + Audio Connectors (Best)
65-650 or 65-651 or 65-652 or 65-653		1	65-630-BK 65-630-BL 65-630-GN 65-630-RD 65-630-WH 65-630-YL 65-630-VL	65-631-BK 65-631-BL 65-631-GN 65-631-RD 65-631-WH 65-631-YL 65-631-VL	30-1230 30-1231 30-1232 30-534 30-534-3	65-632-X-XX 65-633-X-XX 65-634-X-XX 65-635-X-XX	65-636-X-XX 65-637-X-XX 65-638-X-XX 65-639-X-XX	65-640-X-XX 65-642-X-XX 65-643-X-XX 65-644-X-XX	65-645-X-XX 65-646-X-XX 65-647-X-XX 65-648-X-XX
			Quantities of 100 in each kit.	Quantities of 15 in each kit.	Quantities of 10 each. These (Good) connectors appear in kit 65-653 only.	Quantities of 10 in each kit			Quantities of 10 in each kit

Notes: X=size: X=2 (for 2.8 mm), X=4 (for 4.0 mm), X= 6 (for 6.0 mm) and X=8 (for 8.0 mm). (Example = 65-232-2-XX)

XX= without Color Band; for Colored Band Order, Replace “XX” with “BK” (Black), “BL” (Blue), “GN” (Green), “RD” (Red), “WH” (White), “YL” (Yellow), “VL” (Violet) (Example = 65-232-2-RD)

RCA EPITOME® AUDIO CONNECTORS (GOOD)

Epitome® RCA connectors have all metal shells to shield the cable ends from EMI/RFI and provide a good grip for plugging and unplugging the connectors. All GC Electronics Epitome® RCA connectors are Gold* Plated for corrosion resistance and low electrical resistance and are soldered** to the wire.

Note: * With the exception of the 30-534 which is nickel plated.

** (compatible leaded and some Lead Free Solders for RoHS compliance)



Fig.2



Fig.3



Fig.4



Fig.5

Fig.6

RCA Epitome® Audio Connectors (Good)

Retail Part No.	Bulk Part No.	Figure No.	Outside Color	Outer Diameter Wire Size
30-1230		2	Platinum	8 mm
30-1231		3	Black	8 mm
30-1232		4	Red	8 mm
30-534	30-534-BU	5	Nickel	8 mm
30-534-3		6	Gold	8 mm

RCA AUDIO CONNECTORS (Cont.)

RCA EPITOME®-PRO AUDIO CONNECTORS (BETTER)

Epitome® Pro Connectors like the Epitome® connectors have all metal shells for EMI/RFI protection and are Gold Plated for corrosion resistance and low electrical resistance and are soldered** to the wire. The GC Electronics Epitome® Pro Connectors also have a split center contact that spreads the center contact apart for better connector to connector connection.

Note: ** (compatible leaded and some Lead Free Solders for RoHS compliance)



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11



Fig.12

RCA Epitome®-Pro Audio Connectors (Better)

Retail Part No.	Bulk Part No.	Figure No.	Band Type	Outer Diameter Wire Size
65-632-2-XX	65-632-2-XX-BU	1	1	2.8mm
65-632-4-XX	65-632-4-XX-BU	1	1	4mm
65-632-6-XX	65-632-6-XX-BU	1	1	6mm
65-632-8-XX	65-632-8-XX-BU	1	1	8mm
65-633-2-XX	65-633-2-XX-BU	2	1	2.8mm
65-633-4-XX	65-633-4-XX-BU	2	1	4mm
65-633-6-XX	65-633-6-XX-BU	2	1	6mm
65-633-8-XX	65-633-8-XX-BU	2	1	8mm
65-634-2-XX	65-634-2-XX-BU	3	1	2.8mm
65-634-4-XX	65-634-4-XX-BU	3	1	4mm
65-634-6-XX	65-634-6-XX-BU	3	1	6mm
65-634-8-XX	65-634-8-XX-BU	3	1	8mm
65-635-2-XX	65-635-2-XX-BU	4	1	2.8mm
65-635-4-XX	65-635-4-XX-BU	4	1	4mm
65-635-6-XX	65-635-6-XX-BU	4	1	6mm
65-635-8-XX	65-635-8-XX-BU	4	1	8mm
65-636-2-XX	65-636-2-XX-BU	5	1	2.8mm
65-636-4-XX	65-636-4-XX-BU	5	1	4mm
65-636-6-XX	65-636-6-XX-BU	5	1	6mm
65-636-8-XX	65-636-8-XX-BU	5	1	8mm
65-637-2-XX	65-637-2-XX-BU	6	1	2.8mm
65-637-4-XX	65-637-4-XX-BU	6	1	4mm
65-637-6-XX	65-637-6-XX-BU	6	1	6mm
65-637-8-XX	65-637-8-XX-BU	6	1	8mm

RCA Epitome®-Pro Audio Connectors (Better) (Cont.)

Retail Part No.	Bulk Part No.	Figure No.	Band Type	Outer Diameter Wire Size
65-638-2-XX	65-638-2-XX-BU	7	1	2.8mm
65-638-4-XX	65-638-4-XX-BU	7	1	4mm
65-638-6-XX	65-638-6-XX-BU	7	1	6mm
65-638-8-XX	65-638-8-XX-BU	7	1	8mm
65-639-2-XX	65-639-2-XX-BU	8	1	2.8mm
65-639-4-XX	65-639-4-XX-BU	8	1	4mm
65-639-6-XX	65-639-6-XX-BU	8	1	6mm
65-639-8-XX	65-639-8-XX-BU	8	1	8mm
65-640-2-XX	65-640-2-XX-BU	9	1	2.8mm
65-640-4-XX	65-640-4-XX-BU	9	1	4mm
65-640-6-XX	65-640-6-XX-BU	9	1	6mm
65-640-8-XX	65-640-8-XX-BU	9	1	8mm
65-642-2-XX	65-642-2-XX-BU	10	2	2.8mm
65-642-4-XX	65-642-4-XX-BU	10	2	4mm
65-642-6-XX	65-642-6-XX-BU	10	2	6mm
65-642-8-XX	65-642-8-XX-BU	10	2	8mm
65-643-2-XX	65-643-2-XX-BU	11	2	2.8mm
65-643-4-XX	65-643-4-XX-BU	11	2	4mm
65-643-6-XX	65-643-6-XX-BU	11	2	6mm
65-643-8-XX	65-643-8-XX-BU	11	2	8mm
65-644-2-XX	65-644-2-XX-BU	12	1 & 2	2.8mm
65-644-4-XX	65-644-4-XX-BU	12	1 & 2	4mm
65-644-6-XX	65-644-6-XX-BU	12	1 & 2	6mm
65-644-8-XX	65-644-8-XX-BU	12	1 & 2	8mm

Notes: XX= without Color Band; for Colored Band Order, Replace "XX" with "BK" (Black), "BL" (Blue), "GN" (Green), "RD" (Red), "WH" (White), "YL" (Yellow), "VL" (Violet) (Example = 65-232-2-RD)

RCA AUDIO CONNECTORS (Cont.)

RCA EPITOME®-PRO + AUDIO CONNECTORS (BEST)

Epitome® Pro Plus Connectors Like the *Epitome®* and *Epitome® Pro* RCA Connectors have all metal shells for EMI/RFI protection and are Gold Plated for corrosion resistance and low electrical resistance and are soldered** to the wire. The GC Electronics *Epitome® Pro Plus* like the *Epitome® Pro* Connectors also have a split center contact that spreads the center contact apart for better connector to connector connection. The *Epitome® Pro Plus* connectors also have a twist lock* mechanism that locks the male plug to the female connector. Note: ** (compatible leaded and some Lead Free Solders for RoHS compliance)



Fig.1



Fig.2



Fig.3



Fig.4

RCA Epitome®-Pro + Audio Connectors (Best)

Retail Part No.	Bulk Part No.	Figure No.	Band Type	Outer Diameter Wire Size
65-645-2-XX	65-645-2-XX-BU	1	2	2.8mm
65-645-4-XX	65-645-4-XX-BU	1	2	4mm
65-645-6-XX	65-645-6-XX-BU	1	2	6mm
65-645-8-XX	65-645-8-XX-BU	1	2	8mm
65-646-2-XX	65-646-2-XX-BU	2	1	2.8mm
65-646-4-XX	65-646-4-XX-BU	2	1	4mm
65-646-6-XX	65-646-6-XX-BU	2	1	6mm
65-646-8-XX	65-646-8-XX-BU	2	1	8mm

RCA Epitome®-Pro + Audio Connectors (Best) (Cont.)

Retail Part No.	Bulk Part No.	Figure No.	Band Type	Outer Diameter Wire Size
65-647-2-XX	65-647-2-XX-BU	3	1	2.8mm
65-647-4-XX	65-647-4-XX-BU	3	1	4mm
65-647-6-XX	65-647-6-XX-BU	3	1	6mm
65-647-8-XX	65-647-8-XX-BU	3	1	8mm
65-648-2-XX	65-648-2-XX-BU	4	1	2.8mm
65-648-4-XX	65-648-4-XX-BU	4	1	4mm
65-648-6-XX	65-648-6-XX-BU	4	1	6mm
65-648-8-XX	65-648-8-XX-BU	4	1	8mm

Notes: XX= without Color Band; for Colored Band Order, Replace "XX" with "BK" (Black), "BL" (Blue), "GN" (Green), "RD" (Red), "WH" (White), "YL" (Yellow), "VL" (Violet) (Example = 65-232-2-RD) *65-645Does Not Have Twist Lock Feature

RCA COLOR BANDS

GC Electronics offer a wide array of color bands for to fit GC Electronic RCA plugs. The color Bands allow the custom cable builder to build a custom cable using the correct color for each connection. The Type1 Bands are thin for that minimalist look while the Type2 bands are wide to aid in handling of the cables.



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11



Fig.12



Fig.13



Fig.14



Fig.15



Fig.16

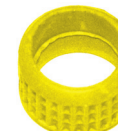


Fig.17



Fig.18

RCA Plug Color Bands–Type 1

Retail Part No.	Bulk Part No.	Fig. No.	Description	Band Color
65-630-BK	65-630-BK-BU	5	Color Bands Type 1–Black	Black
65-630-BL	65-630-BL-BU	6	Color Bands Type 1–Blue	Blue
65-630-GN	65-630-GN-BU	7	Color Bands Type 1–Green	Green
65-630-RD	65-630-RD-BU	8	Color Bands Type 1–Red	Red
65-630-WH	65-630-WH-BU	9	Color Bands Type 1–White	White
65-630-YL	65-630-YL-BU	10	Color Bands Type 1–Yellow	Yellow
65-630-VL	65-630-VL-BU	11	Color Bands Type 1–Violet	Violet

RCA Plug Color Bands–Type 2

Retail Part No.	Bulk Part No.	Fig. No.	Description	Band Color
65-631-BK	65-631-BK-BU	12	Color Bands Type 2–Black	Black
65-631-BL	65-631-BL-BU	13	Color Bands Type 2–Blue	Blue
65-631-GN	65-631-GN-BU	14	Color Bands Type 2–Green	Green
65-631-RD	65-631-RD-BU	15	Color Bands Type 2–Red	Red
65-631-WH	65-631-WH-BU	16	Color Bands Type 2– White	White
65-631-YL	65-631-YL-BU	17	Color Bands Type 2–Yellow	Yellow
65-631-VL	65-631-VL-BU	18	Color Bands Type 2–Violet	Violet

G&H AUDIO CONNECTORS

G&H AUDIO CONNECTORS

The *Epitome*®-Pro+ line is proud to introduce the very finest 1/4" Mono and Stereo Phone Jacks available. By eliminating a series of friction-fitted low conductive metals and instead designing a solid copper core, the signal is kept at its purest. The result is maximum signal transfer and a drastic reduction of pops, hisses, and sound coloration. To top off a great performance, these plugs are finished in your choice of fine Oak, or rare Cocobolo wood. These wooden sleeves are available with a smooth or grooved surface. All conductive surfaces are 24 CT. gold plated. Give your Headphones, microphones and mixers the performance and aesthetics they deserve!

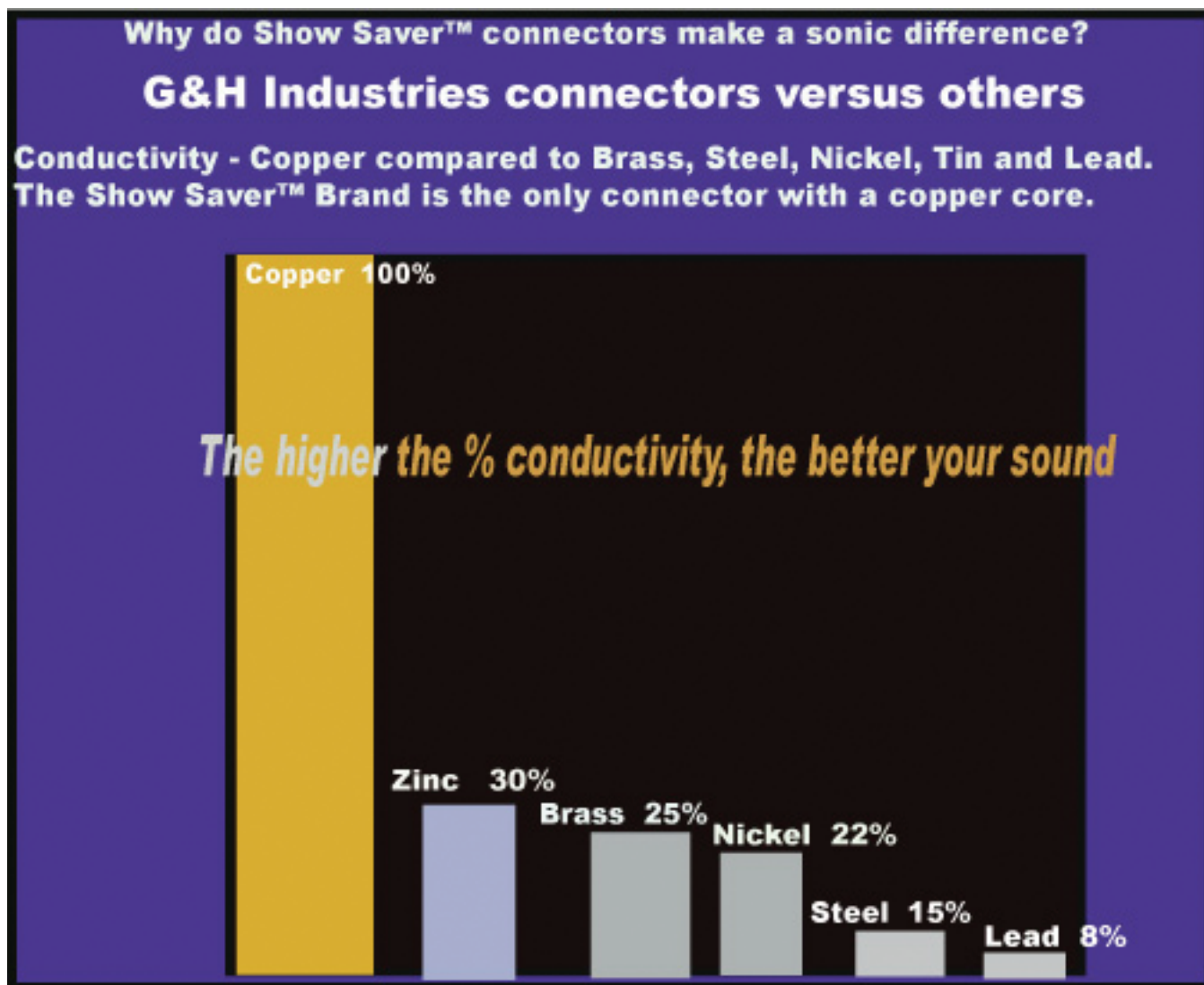




Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11



Fig.12

G & H Audio Connectors

Retail Part No.	Bulk Part No.	Figure No.	Description	Color	Quantity
BF2P-W1CNN	BF2P-W1CNN-BU	1	1/4" Phone Plug, Mono, Smooth-Nickel	Cocobolo	1 Each/10 Pack
BF2P-W1CGG	BF2P-W1CGG-BU	2	1/4" Phone Plug, Mono, Smooth-Gold	Cocobolo	1 Each/10 Pack
BF3PM-W1CGGG	BF3PM-W1CGGG-BU	3	1/4" Phone Plug, Stereo, Smooth-Gold	Cocobolo	1 Each/10 Pack
BF2P-W1ONN	BF2P-W1ONN-BU	4	1/4" Phone Plug, Mono, Smooth-Nickel	Oak	1 Each/10 Pack
BF2P-W1OGG	BF2P-W1OGG-BU	5	1/4" Phone Plug, Mono, Smooth-Gold	Oak	1 Each/10 Pack
BF3PM-W1OGGG	BF3PM-W1OGGG-BU	6	1/4" Phone Plug, Stereo, Smooth-Gold	Oak	1 Each/10 Pack
BF2P-W2CNN	BF2P-W2CNN-BU	7	1/4" Phone Plug, Mono, Grooved-Nickel	Cocobolo	1 Each/10 Pack
BF2P-W2CGG	BF2P-W2CGG-BU	8	1/4" Phone Plug, Mono, Grooved-Gold	Cocobolo	1 Each/10 Pack
BF3PM-W2CGGG	BF3PM-W2CGGG-BU	9	1/4" Phone Plug, Stereo, Grooved-Gold	Cocobolo	1 Each/10 Pack
BF2P-W2ONN	BF2P-W2ONN-BU	10	1/4" Phone Plug, Mono, Grooved-Nickel	Oak	1 Each/10 Pack
BF2P-W2OGG	BF2P-W2OGG-BU	11	1/4" Phone Plug, Mono, Grooved-Gold	Oak	1 Each/10 Pack
BF3PM-W2OGGG	BF3PM-W2OGGG-BU	12	1/4" Phone Plug, Stereo, Grooved-Gold	Oak	1 Each/10 Pack

POWERFLEXTM AUDIO CONNECTORS



Epitome®-Pro + (Best)
Fig. 1



Epitome®-Pro (Better)
Fig. 2



Epitome®-Pro + (Best)
Fig. 3



Epitome®-Pro (Better)
Fig. 4



Epitome®-Pro (Better)
Fig. 5



Epitome®-Pro + (Best)
Fig. 6



Epitome®-Pro + (Best)
Fig. 7



Epitome®-Pro + (Best)
Fig. 8



Epitome®-Pro + (Best)
Fig. 9



Epitome®-Pro (Better)
Fig. 10



Epitome® (Good)
Fig. 11



Epitome®-Pro (Better)
Fig. 12



Epitome® (Good)
Fig. 13

PowerFlexTM Audio Connectors

Retail Part No.	Bulk Part No.	Fig. No.	Description	Features
30-1200		1	<i>Epitome®-Pro + Spade Speaker Terminals-Gold</i>	Compression (Solderless) Spade Lugs
30-1204		2	<i>Epitome®-Pro Pins-Gold</i>	Crimp or Solder Flexible Pin, Color-coded Insulators
30-1205		3	<i>Epitome®-Pro + Pin-Gold</i>	Compression (Solderless) Pin Plugs
30-1208		4	<i>Epitome® Banana Plug-Gold</i>	Crimp or Solder Banana Plugs, Color-coded Insulators
30-1210		5	<i>Epitome®-Pro Banana Plug-Gold</i>	Compression (Solderless) Banana Plugs
30-1211	30-1211-BU	6	<i>Epitome®-Pro + Banana Plug-Gold</i>	Compression (Solderless) 9-Pin Spring Banana Plugs
SBN-SWC-G	SBN-SWC-G-BU	7	Short Wood Banana Plug-Gold	9 Springs, More Contact Surface, Terminates 8 AWG-1/2" Diameter Wire
SBN-LWC-G	SBN-LWC-G-BU	8	Long Wood Banana Plug-Gold	9 Springs, More Contact Surface, Terminates 8 AWG-1/2" Diameter Wire
BBN-BG	BBN-BG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, Black-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
BBN-BLG	BBN-BLG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, Blue-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
BBN-BRG	BBN-BRG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, Brown-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
BBN-GG	BBN-GG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, Green-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
BBN-GRG	BBN-GRG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, Gray-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
BBN-OG	BBN-OG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, Orange-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
BBN-RG	BBN-RG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, Red-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
BBN-WG	BBN-WG-BU	9	<i>Epitome®-Pro + Dual Banana Plugs, White-Gold</i>	30Amp Rating, Color-coded, Industry Standard Ground Tab on Neg. (-) Side
30-1212		10	<i>Epitome®-Pro RCA Powerflex Jacks-Gold</i>	RCA Jack to RCA Jack-Powerflex
30-1213		11	<i>Epitome® RCA Powerflex Plugs-Gold</i>	RCA Plug to RCA Plug -Powerflex
30-1215		12	<i>Epitome®-Pro RCA Powerflex Plug/Jacks-Gold</i>	RCA Plug to Dual RCA Jacks-Powerflex
30-474		13	<i>Epitome® RCA Powerflex 90° Plug/Jack-Gold</i>	Right Angle RCA Plug to RCA Jack-Powerflex

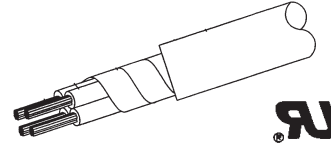
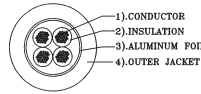
IN-WALL SPEAKER WIRE

Applications:

Audio/Stereo/Sound System Conductivity. Intercom Systems. Public Address Systems.

Features:

Stranded Bare Copper Conductors PVC Insulated Conductors. Shielded For Better Performance. Flame Retardant Jacket.



In-Wall Speaker Wire

Part Number	Color	Length	No. of Conductor	AWG	Conductor Material (Stranding)	Insulation Material	Insulation ID/ Nominal Thickness	Shield	Material (Nominal Thickness)	Cable O.D.
14-1214-2Q89	Gray	1000'	2	14	Stranded Bare Copper (19/0.36)	SR-PVC	2.4/0.225mm	Aluminum/Foil	PVC (0.50mm)	5.7mm
14-1216-2F89	Gray	1000'	2	16	Stranded Bare Copper (26/0.254)	SR-PVC	2.0/0.225mm	Aluminum/Foil	PVC (0.50mm)	5mm
14-1216-4F89	Gray	1000'	4	16	Stranded Bare Copper (19/0.36)	SR-PVC	2.0/0.225mm	Aluminum/Foil	PVC (0.50mm)	6mm
14-1216-4F25	Gray	25'	4	16	Stranded Bare Copper (19/0.36)	SR-PVC	2.0/0.225mm	Aluminum/Foil	PVC (0.50mm)	6mm
14-1216-4F1C	Gray	100'	4	16	Stranded Bare Copper (19/0.36)	SR-PVC	2.0/0.225mm	Aluminum/Foil	PVC (0.50mm)	6mm

- Temperature Rating: 80°C
- Voltage Rating: 300V
- UL Flammability Rating: VW-1
- Nom.= Nominal
- AWM 2547 (AWM= Appliance Wiring Material)

COMPONENT SPEAKER WIRE

Applications:

Low capacitance cable for use in high definition speaker systems. Rope lay designed to increase the conductive surface, reduce "skin effect", and maximum flexibility. Low capacitance, resistance, and inductance of these cables transfer music signals from amplifier to speakers with high clarity and definition.



Oxygen Free Power Flex™ (10 gauge 2-Conductor)

Specifications:

Oxygen Free Copper

Conductor AWG: 10 gauge

Stranding: 413/36

Insulation Nominal Wall Thickness: .070

Voltage: 300V

Temperature Rating: -20°C to + 60°C

Construction: Bare Oxygen Free Copper Conductors; Flexible PVC Insulation and Rope Lay; Surface Print for Identification & Polarity

Nominal O.D.: .270 x .540

Component Speaker Wire 10 AWG

Part No.	Color	Length	Packaging
14-210-9H43	Clear	100 ft.	Spool
14-210-9H53	Clear	250 ft.	Spool
14-210-9H63	Clear	500 ft.	Spool
30-581	Clear	25 ft.	Hank

Oxygen Free Power Flex™ (12 gauge 2-Conductor)

Specifications:

Oxygen Free Copper

Conductor AWG: 12 gauge

Stranding: 259/36

Insulation Nominal Wall Thickness: .055

Voltage: 300V

Temperature Rating: -20°C to + 60°C

Construction: Bare Oxygen Free Copper Conductors; Extra Flexible PVC Insulation and Rope Lay; Surface Print for Identification & Polarity

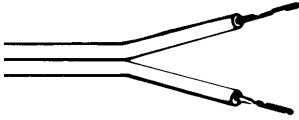
Nominal O.D.: .205 x .415

Component Speaker Wire 12 AWG

Part No.	Color	Length	Packaging
14-212-9H43	Clear	100 ft.	Spool
14-212-9H53	Clear	250 ft.	Spool
14-212-9H63	Clear	500 ft.	Spool
30-583	Clear	25 ft.	Hank

COMPONENT SPEAKER WIRE (Cont.)

2 Conductor Parallel Zip Cord



Two conductor Parallel Zip Cord Wire for loudspeaker connection and other low voltage applications such as alarm, signal and telephone circuits. Temperature range:-20° to+60°. White Identification polarity stripe.

24 Gauge (2-Conductor)

Specifications:

Oxygen Free Copper
 Conductor AWG: 24 gauge
 Stranding: 7/32
 Insulation Nominal Wall Thickness: .016"
 Voltage: 300V
 Temperature Rating: -20°C to + 60°C
 Construction: Bare Copper Conductors; Clear PVC;
 1 Conductor Identified for Polarity
 Nominal O.D.: .055" x .110"

Applications:

Automotive Speaker Wire, Juke Boxes,
 Stereo Speaker Wire

Part No.	Color	Length	Packaging
14-224-2B13	Clear	25 ft.	Spool
14-224-2B23	Clear	50 ft.	Spool
14-224-2B43	Clear	100 ft.	Spool
14-224-2B63	Clear	500 ft.	Spool
14-224-2B83	Clear	1000 ft.	Spool
30-586	Clear	50 ft.	Hank
30-588	Clear	100 ft.	Hank

22 Gauge (2-Conductor)

Specifications:

Oxygen Free Copper
 Conductor AWG: 22 gauge
 Stranding: 7/30
 Insulation Nominal Wall Thickness: .020"
 Voltage: 300V
 Temperature Rating: -20°C to + 60°C
 Construction: Bare Copper Conductors; Clear PVC;
 1 Conductor Identified for Polarity
 Nominal O.D.: .070" x .140"

Applications:

Automotive Speaker Wire, Juke Boxes,
 Stereo Speaker Wire

Part No.	Color	Length	Packaging
14-222-2C13	Clear	25 ft.	Spool
14-222-2C23	Clear	50 ft.	Spool
14-222-2C43	Clear	100 ft.	Spool
14-222-2C63	Clear	500 ft.	Spool
14-222-2C83	Clear	1000 ft.	Spool

20 Gauge (2-Conductor)

Specifications:

Oxygen Free Copper
 Conductor AWG: 20 gauge
 Stranding: 7/28
 Insulation Nominal Wall Thickness: .025"
 Voltage: 300V
 Temperature Rating: -20°C to + 60°C
 Construction: Bare Copper Conductors; Clear PVC;
 1 Conductor Identified for Polarity
 Nominal O.D.: .085" x .170"

Applications:

Automotive Speaker Wire, Juke Boxes,
 Stereo Speaker Wire

Part No.	Color	Length	Packaging
14-220-2D13	Clear	25 ft.	Spool
14-220-2D23	Clear	50 ft.	Spool
14-220-2D63	Clear	500 ft.	Spool
14-220-2D83	Clear	1000 ft.	Spool
30-553	Clear	50 ft.	Hank

18 Gauge (2-Conductor)

Specifications:

Oxygen Free Copper
 Conductor AWG: 18 gauge
 Stranding: 16/30
 Insulation Nominal Wall Thickness: .025"
 Voltage: 300V
 Temperature Rating: -20°C to + 60°C
 Construction: Bare Copper Conductors; Clear PVC;
 1 Conductor Identified for Polarity
 Nominal O.D.: .100" x .200"

Applications:

Automotive Speaker Wire, Juke Boxes,
 Stereo Speaker Wire

Part No.	Color	Length	Packaging
14-218-2E13	Clear	25 ft.	Spool
14-218-2E23	Clear	50 ft.	Spool
14-218-2E43	Clear	100 ft.	Spool
14-218-2E53	Clear	250 ft.	Spool
14-218-2E63	Clear	500 ft.	Spool
14-218-2E83	Clear	1000 ft.	Spool
30-584	Clear	50 ft.	Hank
30-554	Clear	100 ft.	Hank

16 Gauge (2-Conductor)

Specifications:

Oxygen Free Copper
 Conductor AWG: 16 gauge
 Stranding: 19/29
 Insulation Nominal Wall Thickness: .025"
 Voltage: 300V
 Temperature Rating: -20°C to + 60°C
 Construction: Bare Copper Conductors; Clear PVC;
 1 Conductor Identified for Polarity
 Nominal O.D.: .105" x .205"

Applications:

Automotive Speaker Wire, Juke Boxes,
 Stereo Speaker Wire

Part No.	Color	Length	Packaging
14-216-2F13	Clear	25 ft.	Spool
14-216-2F23	Clear	50 ft.	Spool
14-216-2F43	Clear	100 ft.	Spool
14-216-2F53	Clear	250 ft.	Spool
14-216-2F63	Clear	500 ft.	Spool
14-216-2F83	Clear	1000 ft.	Spool

14 Gauge (2-Conductor)

Specifications:

Oxygen Free Copper
 Conductor AWG: 14 gauge
 Stranding: 19/27
 Insulation Nominal Wall Thickness: .025"
 Voltage: 300V
 Temperature Rating: -20°C to + 60°C
 Construction: Bare Copper Conductors; Clear PVC;
 1 Conductor Identified for Polarity
 Nominal O.D.: .120" x .240"

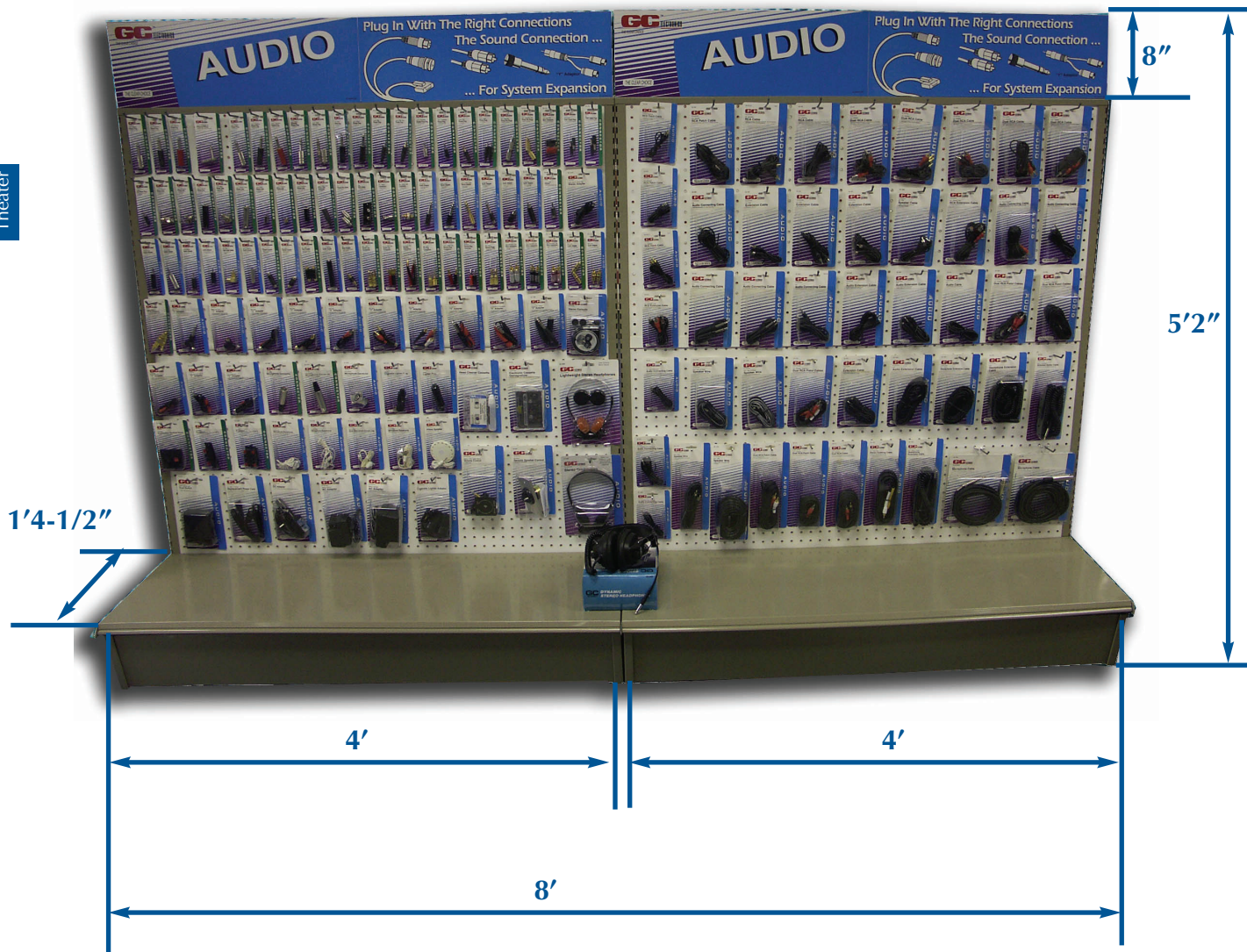
Applications:

Automotive Speaker Wire, Juke Boxes,
 Stereo Speaker Wire

Part No.	Color	Length	Packaging
14-214-2Q23	Clear	50 ft.	Spool
14-214-2Q43	Clear	100 ft.	Spool
14-214-2Q63	Clear	500 ft.	Spool

HOME THEATER PROGRAMS

- Home Theatre Audio Cable Program 49-2108-A
- 115 Home Theatre Part Numbers
- 8 Foot Program
- RCA Plugs and Jacks, Couplers, Earphones, Headphones



Display Rack Part No. 49-2108-A

Home
Theater

HOME THEATRE

HOME THEATER PROGRAMS (Cont.)

- Home Theatre Audio Cable Program 49-2108-A
 - 115 Home Theatre Part Numbers
 - 8 Foot Program
 - RCA Plugs and Jacks, Couplers, Earphones, Headphones
- Program Contents:

Part No	Quantity	Package Quantity	Description
30-041	2	1	Foot Switch
30-160	2	1	Pillow Speaker
30-316	2	1	Cabinet Mounted Stereo Volume Control
30-364	2	1	Speaker Volume Control
30-400	2	1	RCA-M-M Shielded Mono Cable - 1.5'
30-401	2	1	RCA M-3.5mm Phone Plug Cable - 3'
30-402	2	1	RCA M-M Shielded Mono Cable - 3'
30-403	2	1	RCA M - 3.5mm Phone Plug Cable - 6'
30-404	2	1	RCA M-M Shielded Mono Cable - 6'
30-404-3	2	1	RCA M-M Shielded Mono Cable - 6' Gold
30-406	2	1	RCA M-M Shielded Mono Cable - 12'
30-407	2	1	Dual RCA M-M Cable - 3'
30-407-3	2	1	Dual RCA M-M Cable - 3' Gold
30-408	2	1	Dual RCA M-M Cable - 6'
30-408-3	2	1	Dual RCA M-M Cable - 6' Gold
30-409	2	1	Dual RCA M-M Cable - 12'
30-410	2	1	Dual RCA Plug to Dual RCA Jack Cable-3'
30-411	2	1	Dual RCA Plug to Dual RCA Jack Cable-6'
30-413	2	1	Dual RCA M-M Stereo Cable w/GRD-17'
30-415	2	1	3.5mm Mono - Stripped End Cable - 6'
30-419	2	1	Dual RCA M-M Stereo Cable - 17'
30-426	2	1	RCA M - RCA F Cable - 3'
30-428	2	1	RCA M - RCA F Cable - 6'
30-430	2	1	RCA M - RCA F Cable - 12'
30-431	2	1	3.5mm M Mono - Stripped End Cable - 6'
30-443	2	1	1/4" Phone Plug M-M Mono Cable - 6'
30-444	2	1	RCA M to 1/4" Phone Plug Mono Cable-6'
30-467	2	1	6' Cassette Replacement Cord
30-469	2	1	RCA Male to Male Coupler
30-470	2	1	RCA F-F Coupler
30-470-3	2	1	RCA F-F Coupler GLD
30-472	2	1	RCA F - 1/4" Male Mono Adapter
30-472-1	2	1	3.5mm F Mono - 1/4" Male Mono Adapter
30-473	2	1	RCA Pin to 2 Cond 1/4" Phone Adapter
30-473-1	2	1	RCA Pin to 2 Cond 3.5mm Phone Adapter
30-474	2	1	Right Angle Audio Adapter (Gold)
30-475	2	1	Power Supply Plugs (2-Pack)
30-476	2	1	Power Supply Plugs (2-Pack)
30-477	2	1	Dual RCA Audio Coupler
30-478	2	1	Sub 2.5mm Phone to 3.5mm Jack Adapter
30-480	2	1	1.3mm Power Supply Plug
30-483	2	1	Blk 1/4" Mono phone plug-solder terminals
30-483-1	2	1	Red 1/4" Mono phone plug-solder terminal
30-483-6	2	1	Shlded mtl 1/4" MonoPhnePlg-screw term
30-484-1	2	1	Red 1/4" Mono Phone Plug-screw term
30-484-6	2	1	Shlded mtl 1/4" MonoPhnePlg-screw term
30-487	2	1	Shld mtl rt.angl1/4"mono phnplug-solder
30-488	2	1	Blk plastic 3 cond. 1/4" Audio Plug

Part No	Quantity	Package Quantity	Description
30-489	2	1	Blk 1/4" 3con Phone Plg-solder term
30-489-6	2	1	Shld 3con 1/4" Phone Plg-solder term
30-490	2	1	Shld 3con 1/4" Phone Plg-screw term
30-495	2	1	RCA F to 3.5mm M Phone Plg Adapter
30-496	2	1	3.5mm2cond PhnePlg to1/4"PhnPlgAd
30-498-2	2	1	3.5mm Phone 2 cond solder Terminal
30-498-3	2	1	3.5mm Phone 2 cond solder term(GLD)
30-498-6	2	1	3.5mmShldMtl2condPhnPlg-solderTer
30-500	2	1	Metal "Y" Adapter-1/4" M/2F RCA
30-504	2	1	Metal "Y" Adapter-1M RCA/2F RCA
30-510	2	1	"Y" Adapter-RCA M to 2 RCA F
30-510-3	2	1	"Y" Adapter-RCA M to 2 RCA F (Gold)
30-512	2	1	"Y" Adapter-RCA F to 2 RCA M
30-512-3	2	1	"Y" Adapter-RCA F to 2 RCA M (Gold)
30-513	2	1	Dual RCA M-M Cable-25'
30-514	2	1	"Y" Adapter-RCA M to 2 RCA M
30-519	2	2	2.5mm 3 Cond Audio Phone Plug
30-522	2	1	2 Cond 1/4" PhonePlg to 2 Jacks Cable
30-524	2	1	3 Cond 1/4" PhonePlg to 2 Jacks Cable
30-528	2	2	Chassis Mount RCA PhnJack(2 Pack)
30-528-3	2	1	Gold Chassis Mount RCA Phono Jack
30-533	2	1	RCA Phono Pin Plug Solderless
30-534	2	2	RCA Phono Pin Plugs-solder terminals
30-534-3	2	2	RCA Phono Pin Plugs (Gold)
30-536	2	2	RCA Phono Pin Jack (2 Pack)
30-537	2	1	RCA Phono Pin Jack Dual Type
30-540	2	1	Audio 1/4" Phone Jack 2 Cond
30-540-1	2	1	1/4" Phone Jack 2 Cond
30-541	2	1	1/4" Stereo Phone Jack 3 Cond
30-542	2	1	1/4" Stereo Phone Jack 2 Cond
30-543-1	2	1	3.5mm Audio Phone Jack
30-546	2	1	3.5mm Audio Phone Jack
30-548	2	1	3.5mm Audio Phone Jack
30-556	2	1	20' Coiled Guitar Cable
30-572	2	1	3.5mm Stereo Phone Plug
30-572-3	2	1	3.5mm Stereo Phone Plug(Gold)
30-574	2	1	3.5mm Phone Plug 3 Cond
30-575	2	1	3.5mm Phone Plug Jack
30-1004	2	1	Banana Plgs SlideScrew ConnRed/Blk
30-1200	2	1	PwrFlex AudioConnGoldCompSpade
30-1204	2	4	PwrFlex AudConnGoldCrmp/SolFlex
30-1205	2	2	PwrFlex AudConGoldCompresPinPlug
30-1208	2	1	PwrFlex AudConGoldCompBanana
30-1210	2	2	PwrFlex AudConGoldCompBanana
30-1212	2	1	PwrFlex AudAdptGoldRCAjack-RCAjac
30-1213	2	1	PwrFlex AudAdptGoldRCAplug-RCAplg

HOME THEATER PROGRAMS (Cont.)

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 - 115 Home Theatre Part Numbers
 - 8 Foot Program
 - RCA Plugs and Jacks, Couplers, Earphones, Headphones
- Program Contents: (Continued)

Part No	Quantity	Package Quantity	Description
30-1215	2	1	PwrFlex AudAdptGldRCAplug-DualRCAjck
30-1230	2	2	SuperLinkConnectors Platinum Phono Plugs
30-1231	2	2	SuperLinkConnectors Black Phono Plugs
30-1232	2	2	SuperLinkConnectors Red Phono Plugs
30-1537	2	1	Triple Stereo Dubbing Cable
30-1554	2	1	3.5mm M Mono-1/4" M Stereo Adapter
30-1558	2	1	Mini Plug to 2 Mini Jack Cable
30-1559	4	1	Mini Plug to 2 Mini Jack Cable "Y"
30-1560	2	1	"Y" Adapter 3 Cond 1/4" Stereo Plug-Jack
30-1565	2	1	Mini Plug to 2-Mini Jack "Y" Stereo Cable
30-1570	2	1	2 Cond 1/4" Coupler Phone Jack
30-1571	2	1	3.5mm Stereo Coupler
30-1574	2	1	3.5mm M Stereo-1/4" M Stereo Adapter
30-1575	2	1	3.5mm 1/4" Audio Adapter
30-1576	2	1	1/4" M Stereo to 3.5mm Stereo Adapter
30-1587	2	1	3.5mm Audio Stereo Adapter
30-1690	2	1	3 Pin F Mike Connector-Cannon Style
30-1692	2	1	3 Pin M Mike Connector-Cannon Style
30-1694	2	1	3 Pin F Mike Receptacle-Cannon Style
30-1695	2	1	3 Pin F Microphone Cord
30-1697	2	1	Replacement Microphone Cable-16'
30-1705	2	1	20' 18 AWG Unshielded RCA Cable
30-1706	2	1	20' 24 AWG Unshielded RCA Cable
30-1707	2	1	40' 18 AWG Unshielded RCA Cable
30-1708	2	1	40' 24 AWG Unshielded RCA Cable
30-1806	2	1	3.5mm M-3.5mm F Cable 6'
30-1807	2	1	12' Shielded Audio Cable
30-1808	2	1	3' 3.5mm Plug to Plug Cable
30-1809	2	1	3.5mm M-M Cable-6'
30-1811	2	1	Audio Cable 3.5mm Plug & Jack
30-1812	2	1	6' Dual RCA to 3.5mm Plug Cables
30-1821	2	1	3.5mm Stereo Cable
30-1824	2	1	20' Stereo Headphone Extension Cord
30-1825	2	1	25' Stereo Headphone Extension Coil Cord
30-1826	2	1	3' Pistol Type Cable RCA M Adapt-RCA M
30-1827	2	1	6' Pistol Type Cable RCA M Adapt-RCA M
30-1828	2	1	12' PistolTypeCable RCA M Adapt-RCA M
30-1830	2	1	20' 2.5mm Plug-Jack Cable
30-1831	2	1	Headphone Extension Cable-25'
30-1856	2	1	6' Right Angle RCA Phono Plug Cable
30-3124	2	1	Battery Saving DC Adapt 3,6,7.5,or 9volt
30-3151	2	1	Dual Adapter w/"Y" Conn Cord
30-3152	2	1	Cig. Adapter Plug +2 Terminals
30-5300	2	1	3' Mini Earphone Low Imp
30-5302	2	1	3' Mini Earphone High Imp
30-5304	2	1	3' Sub-Mini Earphone Low Imp
30-5306	2	1	12' Mini Earphone Low Imp
61-6012	2	1	500 mA Universal AC Adapter
61-6014	2	1	800 mA AC Adapter

Part No	Quantity	Package Quantity	Description
33-1402	2	1	2 Pos Pushbutton Term Board
33-1404	2	1	4 Pos Pushbutton Term Board
33-1408	2	1	8 Pos Pushbutton Term Board
36-902	2	1	Cig. Lighter Fused Plug w/ 2 Amp fuses
61-533	2	1	Lightweight Stereo Headphone
61-548	2	1	Digital Stereo Headphone
90-502	2	1	Dynamic Stereo Headphone
49-449-10R	160		4" Hooks
49-2108-3	1		Reorder Card Set
75-2055-R	2		Display Rack
75-3001-5R	8		1 Brackets for Headers
75-3001-6R	8		2 Sided Tape, 5/8" x 8"
GC-HDR-7875	2		Header
GC-PKRM-7782	1		Packing List/Road Map (Revised)

HOME THEATER PROGRAMS (Cont.)

- Home Theatre Audio Cable Program 49-2104-G
- 65 Home Theatre Part Numbers
- 4 Foot Program
- RCA Plugs and Jacks, Cables, Earphones, Headphones



HOME THEATER PROGRAMS (Cont.)

- Home Theatre Audio Cable Program 49-2104-G
 - 65 Home Theatre Part Numbers
 - 4 Foot Program
 - RCA Plugs and Jacks, Cables, Earphones, Headphones
- Program Contents:

Part No	Quantity	Package Quantity	Description
30-402	3	1	Connecting Cable
30-403	4	1	Connecting Cable
30-404	3	1	Connecting Cable
30-404-3	3	1	Connecting Cable, Gold
30-406	3	1	12' Connecting Cable
30-407	3	1	3' Connecting Cable
30-408	3	1	6' Connecting Cable
30-409	3	1	12' Connecting Cable
30-411	3	1	6' Extension Cable
30-419	3	1	17' Dual Cable
30-443	4	1	Connect Cable
30-444	3	1	Connect Cable
30-470	4	1	Phono Jack
30-472	3	1	Phone Plug
30-473	4	1	Adapter
30-475	3	1	Power Supply Plug
30-476	4	1	DC Power Plug
30-477	3	1	Dual Coupler
30-478	3	1	Adapter
30-483	3	1	Standard Phone Plug
30-483-6	3	1	Standard Phone Plug
30-489	3	1	Phone Plug, 3 cond.
30-496	3	1	Adapter
30-498-2	3	1	Mini Phone Plug
30-504	4	1	"Y" Adapter
30-510	3	1	"Y" Adapter
30-512	3	1	"Y" Adapter
30-513	3	1	25' Audio Cable
30-528	4	2	Phono Jack
30-534	6	2	Phono Pin Plugs
30-537	3	1	Dual Phono Jacks
30-540	4	1	Phone Jack
30-541	4	1	6' Adapter Cable
30-546	4	1	Mini Phone Jack
30-572	3	1	Stereo Plug
30-574	3	1	Mini Phone Jack
30-575	4	1	In-Line Stereo Jack
30-583	3	1	Power Flex Speaker Wire, 12 Ga. 25'
30-1208	3	1	Banana Plug
30-1210	3	2	2 Banana Plugs
30-1537	3	1	Triple RCA Cable
30-1558	3	1	Adapter
30-1559	3	1	Mini Stereo "Y"
30-1565	3	1	"Y" Stereo Adapter
30-1571	4	1	3.5 Audio Coupler
30-1574	3	1	Audio Adapter
30-1576	4	1	Stereo Adapter

Part No	Quantity	Package Quantity	Description
30-1587	4	1	Mini Stereo Adapter
30-1806	4	1	Audio Cable
30-1808	4	1	Audio Cable
30-1809	2	1	Audio Cables
30-1811	2	1	Stereo Extension Cord
30-1812	2	1	Stereo Cable
30-1821	3	1	3.5 Stereo Cable
30-5304	3	1	Sub Mini Plug Earphone
30-5306	3	1	Earphones
61-533	6	1	Stereo Headphone
61-548	3	1	Digital Headphone
61-555	3	1	Stereo Headphone
61-6012	3	1	AC Adapter, 500 mg
61-6014	3	1	AC Adapter, 800 mg
90-502	3	1	Dynamic Stereo Headphone
49-512-10R	67		6" Hook
49-2104-G3	1		Reorder Card Set
75-2055-R	1		Display Rack
75-3001-5R	4		Brackets
75-3001-6R	4		2 Sided Tape
GC-HDR-7875	1		Header
GC-PKRM-7460	1		Planogram

HOME THEATER PROGRAMS (Cont.)

- Home Theatre Audio Cable Program 49-2106
- 47 Home Theatre Part Numbers
- 4 Foot Program
- RCA Plugs and Jacks, Cables



Home
Theater

HOME THEATER PROGRAMS (Cont.)

- Home Theatre Audio Cable Program 49-2106
 - 47 Home Theatre Part Numbers
 - 4 Foot Program
 - RCA Plugs and Jacks, Cables
- Program Contents:

Part No	Quantity	Package Quantity	Description
30-400	2	1	RCA M-M Shielded Mono Cable-1.5'
30-401	2	1	RCA M-3.5mm Phone Plug Cable-3'
30-402	2	1	RCA M-M Shielded Mono Cable-3'
30-403	2	1	RCA M-3.5mm Phone Plug Cable-6'
30-404	2	1	RCA M-M Shielded Mono Cable-6'
30-404-3	2	1	RCA M-M Shielded Mono Cable-6' Gld
30-406	2	1	RCA M-M Shielded Mono Cable-12'
30-407	2	1	Dual RCA M-M Cable-3'
30-407-3	2	1	Dual RCA M-M Cable-3' Gold
30-408	2	1	Dual RCA M-M Cable-6'
30-408-3	2	1	Dual RCA M-M Cable-6' Gold
30-409	2	1	Dual RCA M-M Cable-12'
30-410	2	1	Dual RCA Plug-Dual RCA Jack Cable-3'
30-411	2	1	Dual RCA Plug-Dual RCA Jack Cable-6'
30-413	2	1	Dual RCA M-M Stereo Cbl w/Grd Cbl-17'
30-415	2	1	3.5mm M Mono-Strpd End Cable-6'
30-419	2	1	Dual RCA M-M Stereo Cable-17'
30-426	2	1	RCA M-RCA F Cable-3'
30-428	2	1	RCA M-RCA F Cable-6'
30-430	2	1	RCA M-RCA F Cable-12'
30-431	2	1	3.5mm Phn Plg M-M1/4" Phn Plg Mon Cbl 6'
30-443	2	1	1/4" Phone Plug M-M Mono Cable-6'
30-444	2	1	RCA M-1/4" Phn Plg Mono Cable-6'
30-513	2	1	Dual RCA M-M Cable-25'
30-556	2	1	20' Coiled Guitar Cable
30-1537	2	1	Triple Stereo Dubbing Cable
30-1695	2	1	3 Pin Female Microphone Cord
30-1697	2	1	Replacement Microphone Cable-16'
30-1705	2	1	20' 18 AWG Unshielded RCA Cable
30-1706	2	1	20' 24 AWG Unshielded RCA Cable
30-1707	2	1	40' 18 AWG Unshielded RCA Cable
30-1708	2	1	40' 24 AWG Unshielded RCA Cable
30-1806	2	1	3.5mm M-3.5mm F Cable-6'
30-1807	2	1	12' Shielded Audio Cable
30-1808	2	1	3' 3.5mm-Plug to Plug Cable
30-1809	2	1	3.5mm M-M Cable-6'
30-1811	2	1	Audio Cable 3.5mm Plug & Jack
30-1812	2	1	6' Dual RCA 3.5mm Plug Cables
30-1821	2	1	3.5mm Stereo Cable
30-1824	2	1	20' Stereo Headphones Ext. Cord
30-1825	2	1	25' Stereo Headphone Ext. Coil Cord
30-1826	2	1	3' Pistol Type Cbl RCA M Adpt-RCA M
30-1827	2	1	6' Pistol Type Cbl RCA M Adpt-RCA M
30-1828	2	1	12' Pistol Type Cbl RCA M Adpt-RCA M
30-1830	2	1	20' 2.5mm Plug-Jack Cable
30-1831	2	1	Headphone Extension Cable-25'
30-1856	2	1	6' Rt. Angle RCA Phono Pin Plug Cable
49-449-10R	55		4" Hooks
49-2106-3	1		Reorder Card Set

Part No	Quantity	Package Quantity	Description
75-2055-R	1		Display Rack
75-3001-5R	4		L Brackets for Headers
75-3001-6R	4		2 Sided Tape, 5/8" x 8"
GC-HDR-7875	1		Header
GC-PKRM-7783	1		Packing List/Road Map

HOME THEATER PROGRAMS (Cont.)

- Premium Home Theatre Cables and Accessories Program 49-2124-A
- 26 Home Theatre Part Numbers
- 4 Foot Program
- Cables, "Y" Adapters, Toslink Accessories



HOME THEATER PROGRAMS (Cont.)

- Premium Home Theatre Cables and Accessories Program 49-2124-A
- 26 Home Theatre Part Numbers
- 4 Foot Program
- Cables, “Y” Adapters, Toslink Accessories

Program Contents:

Part No	Quantity	Description
65-4003	2	1 “F” - 1 “F”, OFC Cable, Gold, 3’
65-4006	2	1 “F” - 1 “F”, OFC Cable, Gold, 6’
65-4103	2	1 RCA - 1 RCA, OFC Cable, Gold, 3’
65-4106	2	1 RCA - 1 RCA, OFC Cable, Gold, 6’
65-4203	2	2 RCA - 2 RCA, OFC Cable, Gold, 3’
65-4206	2	2 RCA - 2 RCA, OFC Cable, Gold, 6’
65-4303	2	3 RCA - 3 RCA, OFC Cable, Gold, 3’
65-4306	2	3 RCA - 3 RCA, OFC Cable, Gold, 6’
65-4401	2	1M to 2F S-VHS “Y” Splitter, Gold
65-4402	2	2M to 1F S-VHS “Y” Splitter, Gold
65-4403	2	1M S-VHS - 1M S-VHS, OFC Cable, Gold, 3’
65-4406	2	1M S-VHS - 1M S-VHS, OFC Cable, Gold, 6’
65-4503	2	Comp. Video OFC Cable 3 RCA, Gold, 3’
65-4506	2	Comp. Video OFC Cable 3 RCA, Gold, 6’
65-5010	2	Toslink M to M, Digital Optical Cable, 3’
65-5020	2	Toslink M to M, Digital Optical Cable, 6’
65-5050	2	Toslink Coupler: F to F Toslink
65-5051	2	3.5mm Plug to Toslink Jack Adapter
65-5052	2	Toslink Splitter: 1F to 2F
65-5053	2	Toslink Converter, 1F RCA to 1F Toslink
65-5110	2	3.5mm M to M, Digital Optical Cable, 3’
65-5120	2	3.5mm M to M, Digital Optical Cable, 6’
65-5150	2	Toslink Plug to 3.5mm Jack
65-5210	2	Toslink M to 3.5mm M, Digit. Optic. Cable, 3’
65-5220	2	Toslink M to 3.5mm M, Digit. Optic. Cable, 6’
65-7012	2	Economy Speaker Selector
49-449-10R	30	Peg Hooks
49-2124-A3	1	Backup Card Set
75-2055-R	1	4’ Display Rack
75-3001-5R	4	Brackets for Header
75-3001-6R	4	2 Sided Tape
GC-PK-7781	1	Packing List
GC-RM-7704	1	Road Map
GC-HDR-7857	2	Header

HOME THEATER PROGRAMS (Cont.)

- *Epitome*® Home Theatre Program 49-6535
- 24 Home Theatre Part Numbers
- 6 Foot Program
- *Epitome*® Pro and *Epitome*® Pro + Cables

Home
Theater



Display Rack Part No. 49-6535

HOME THEATER PROGRAMS (Cont.)

- *Epitome®* Home Theatre Program 49-6535
- 24 Home Theatre Part Numbers
- 6 Foot Program
- *Epitome®* Pro and *Epitome®* Pro + Cables

Program Contents:

Part No	Quantity	Description
65-900	3	3' Shielded Single RCA Plug/RCA Plug
65-901	3	6' Shielded Single RCA Plug/RCA Plug
65-902	3	12' Shielded Single RCA Plug/RCA Plug
65-903	3	3' Shielded Dual RCA Plugs/Dual RCA Plugs
65-904	3	6' Shielded Dual RCA Plugs/ Dual RCA Plugs
65-905	3	12' Shielded Dual RCA Plugs/Dual RCA Plugs
65-906	3	3' InterconnectCable Triple RCAPlug RWY Gold
65-907	3	6' InterconnectCable Triple RCAPlug RWY Gold
65-908	3	12'InterconnectCable TripleRCAPlug RWY Gold
65-909	3	3' Component Video Triple Plug RGB Gold
65-910	3	6' Component Video Triple Plug RGB Gold
65-911	3	12' Component Video Triple Plug RGB Gold
65-950	3	3' Shielded Single RCA Plug/RCA Plug
65-951	3	6' Shielded Single RCA Plug/RCA Plug
65-952	3	12' Shielded Single RCA Plug/RCA Plug
65-953	3	3' Shielded Dual RCA Plugs/Dual RCA Plugs
65-954	3	6' Shielded Dual RCA Plugs/Dual RCA Plugs
65-955	3	12' Shielded Dual RCA Plugs/Dual RCA Plugs
65-956	3	3' InterconnectCable Triple RCA PlugRWY Gold
65-957	3	6' InterconnectCable Triple RCA PlugRWY Gold
65-958	3	12' InterconnectCable Triple RCAPlugRWYGold
65-959	3	3' Component Video Triple Plug RGB Gold
65-960	3	6' Component Video Triple Plug RGB Gold
65-961	3	12' Component Video Triple Plug RGB Gold
49-512-10R	28	6" Hooks
49-6535-3	1	Reorder Card Set
75-2053-R	2	3' Rack
75-3001-5R	8	L Brackets
75-3001-6R	8	2 Sided Tape
GC-HDR-7855	1	3' Header
GC-HDR-7856	1	3' Header
GC-PKRM-7837	1	Packing List/Road Map

HOME THEATER PROGRAMS (Cont.)

- *Epitome*® Home Theatre Program 49-6533
- 12 Home Theatre Part Numbers
- 3 Foot Program
- *Epitome*® Pro Cables



HOME THEATER PROGRAMS (Cont.)

- *Epitome*® Home Theatre Program 49-6533
- 12 Home Theatre Part Numbers
- 3 Foot Program
- *Epitome*® Pro Cables

Program Contents:

Part No	Quantity	Description
65-900	3	3' Shielded Single RCA Plug/RCA Plug
65-901	3	6' Shielded Single RCA Plug/RCA Plug
65-902	3	12' Shielded Single RCA Plug/RCA Plug
65-903	3	3' Shielded Dual RCA Plugs/Dual RCA Plugs
65-904	3	6' Shielded Dual RCA Plugs/Dual RCA Plugs
65-905	3	12' Shielded Dual RCA Plugs/Dual RCA Plugs
65-906	3	3' Interconnect Cable Triple RCA Plug RWY Gold
65-907	3	6' Interconnect Cable Triple RCA Plug RWY Gold
65-908	3	12' Interconnect Cable Triple RCA Plug RWY Gold
65-909	3	3' Component Video Triple Plug RGB Gold
65-910	3	6' Component Video Triple Plug RGB Gold
65-911	3	12' Component Video Triple Plug RGB Gold
49-512-10R	14	6" Hooks
49-6533-3	1	Reorder Card Set
75-2053-R	1	3' Rack
75-3001-5R	4	L Brackets
75-3001-6R	4	2 Sided Tape
GC-HDR-7856	1	3' Header
GC-PKRM-7835	1	Packing List/Road Map

HOME THEATER PROGRAMS (Cont.)

- *Epitome*® Home Theatre Program 49-6534
- 12 Home Theatre Part Numbers
- 3 Foot Program
- *Epitome*® Pro + Cables

Home
Theater



HOME THEATER PROGRAMS (Cont.)

- *Epitome*® Home Theatre Program 49-6534
- 12 Home Theatre Part Numbers
- 3 Foot Program
- *Epitome*® Pro + Cables

Program Contents:

Part No	Quantity	Description
65-950	3	3' Shielded Single RCA Plug/RCA Plug
65-951	3	6' Shielded Single RCA Plug/RCA Plug
65-952	3	12' Shielded Single RCA Plug/RCA Plug
65-953	3	3' Shielded Dual RCA Plugs/Dual RCA Plugs
65-954	3	6' Shielded Dual RCA Plugs/ Dual RCA Plugs
65-955	3	12' Shielded Dual RCA Plugs/Dual RCA Plugs
65-956	3	3' Interconnect Cable Triple RCA Plug RWY Gld
65-957	3	6' Interconnect Cable Triple RCA Plug RWY Gld
65-958	3	12' Interconnect Cable Triple RCA Plug RWY Gld
65-959	3	3' Component Video Triple Plug RGB Gold
65-960	3	6' Component Video Triple Plug RGB Gold
65-961	3	12' Component Video Triple Plug RGB Gold
49-512-10R	14	6" Hooks
49-6534-3	1	Reorder Card Set
75-2053-R	1	3' Rack
75-3001-5R	4	L Brackets
75-3001-6R	4	2 Sided Tape
GC-HDR-7855	1	3' Header
GC-PKRM-7836	1	Packing List/Road Map

HOME THEATER PROGRAMS (Cont.)

- *Epitome*® Home Theatre Spinner Program 49-6530
- 24 Home Theatre Part Numbers
- Spinner Program
- *Epitome*® Pro & *Epitome*® Pro + Cables



Display Rack Part No. 49-6530

HOME THEATER PROGRAMS (Cont.)

- **Epitome® Home Theatre Spinner Program 49-6530**
- **24 Home Theatre Part Numbers**
- **Spinner Program**
- **Epitome® Pro & Epitome® Pro + Cables**

Program Contents:

Part No	Quantity	Description
65-900	3	3' Shielded Single RCA Plug/RCA Plug
65-901	3	6' Shielded Single RCA Plug/RCA Plug
65-902	3	12' Shielded Single RCA Plug/RCA Plug
65-903	3	3' Shielded Dual RCA Plugs/Dual RCA Plugs
65-904	3	6' Shielded Dual RCA Plugs/Dual RCA Plugs
65-905	3	12' Shielded Dual RCA Plugs/Dual RCA Plugs
65-906	3	3' Interconnect Cable Triple RCA Plug RWY Gold
65-907	3	6' Interconnect Cable Triple RCA Plug RWY Gold
65-908	3	12' Interconnect Cable Triple RCA Plug RWY Gold
65-909	3	3' Component Video Triple Plug RGB Gold
65-910	3	6' Component Video Triple Plug RGB Gold
65-911	3	12' Component Video Triple Plug RGB Gold
65-950	3	3' Shielded Single RCA Plug/RCA Plug
65-951	3	6' Shielded Single RCA Plug/RCA Plug
65-952	3	12' Shielded Single RCA Plug/RCA Plug
65-953	3	3' Shielded Dual RCA Plugs/Dual RCA Plugs
65-954	3	6' Shielded Dual RCA Plugs/ Dual RCA Plugs
65-955	3	12' Shielded Dual RCA Plugs/Dual RCA Plugs
65-956	3	3' Interconnect Cable Triple RCA Plug RWY Gld
65-957	3	6' Interconnect Cable Triple RCA Plug RWY Gld
65-958	3	12' Interconnect Cable Triple RCA Plug RWY Gld
65-959	3	3' Component Video Triple Plug RGB Gold
65-960	3	6' Component Video Triple Plug RGB Gold
65-961	3	12' Component Video Triple Plug RGB Gold
75-2040-R	1	Spinner Rack (Rotary)
49-512-10R	28	6" Hooks
GC-HDR-7878	1	Double Sided Pro/Pro Plus Header
GC-PKRM-7833	1	Packing List/Road Map



INDUSTRIAL BATTERIES

Contents:

- Lead Acid Series Batteries p228-229
- Terminal Types p230



SEALED LEAD-ACID BATTERIES (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

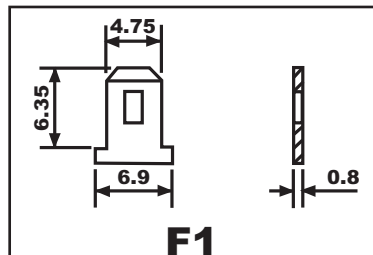
Part No.	Figure No.	Nominal Voltage (V)	Amp Hours	Dimensions								Weight per Piece		Carton Quantity	Terminal Type
				Length		Width		Height		Total Height					
				in	mm	in	mm	in	mm	in	mm	lbs	kgs		
GC1.2-6F1	1	6	1.2	3.82	97.03	.94	23.88	2.03	51.56	2.26	57.40	0.30	0.66	30	F1
GC7-6F1	3	6	7.0	5.94	150.88	1.34	34.04	3.70	93.98	3.94	100.08	1.34	2.94	8	F1
GC200-6B	N/A	6	210.0	12.05	306.07	6.61	167.89	8.62	218.95	8.86	225.04	33.00	72.60	1	B
GC3.2-8F1	2	8	3.2	5.28	134.11	1.44	36.58	2.48	62.99	2.72	69.09	0.96	2.11	10	F1
GC0.8-12WL	N/A	12	.8	3.78	96.1	.98	24.89	2.44	61.98	2.44	61.98	.37	.80	20	WL
GC2.3-12F1	4	12	2.5	7.01	178.05	1.38	35.05	2.36	59.94	2.60	66.04	1.03	2.27	20	F1
GC4-12F1	5	12	4.0	3.54	89.92	2.76	70.10	3.98	101.09	4.21	106.93	1.66	3.65	10	F1
GC4.5-12F1	5	12	4.6	3.54	89.92	2.76	70.10	3.98	101.09	4.21	106.93	1.66	3.65	10	F1
GC5-12F1	5	12	5.4	3.54	89.92	2.76	70.10	3.98	101.09	4.21	106.93	1.66	3.65	10	F1
GC7-12F1	7	12	7.0	5.94	150.88	2.56	65.02	3.72	94.49	3.94	100.08	2.54	5.59	5	F1
GC7-12F2	6	12	7.0	5.94	150.88	2.56	65.02	3.72	94.49	3.94	100.08	2.54	5.59	5	F2
GC7-12F1-FR	7	12	7.0	5.94	150.88	2.56	65.02	3.72	94.49	3.94	100.08	2.54	5.59	5	F1
GC10-12F2	6	12	10.5	5.94	150.88	3.86	98.04	3.74	95.00	3.98	101.09	3.40	7.48	5	F2
GC12-12F2	6	12	12.0	5.94	150.88	3.86	98.04	3.74	95.00	3.98	101.09	3.90	8.58	4	F2
GC18-12F2	N/A	12	18.0	7.15	181.61	3.03	76.96	6.59	167.39	6.59	167.39	5.70	12.54	2	F2
GC18-12NB	N/A	12	18.0	7.15	181.61	3.03	76.96	6.59	167.39	6.59	167.39	5.70	12.54	2	NB
GC26-12F2	N/A	12	26.0	6.56	166.62	6.89	175.01	4.92	124.97	4.92	124.97	8.80	19.36	1	F2
GC26-12NB	N/A	12	26.0	6.56	166.62	6.89	175.01	4.92	124.97	4.92	124.97	8.80	19.36	1	NB
GC35-12NB	N/A	12	37.0	7.68	195.07	5.12	130.05	6.46	164.08	7.09	180.09	11.70	25.74	1	NB
GC38-12NB	N/A	12	38.0	7.76	197.10	6.50	165.10	6.69	169.93	6.69	169.93	13.60	29.92	1	NB
GC55-12NB	N/A	12	56.0	8.98	228.09	5.43	137.92	8.19	208.03	8.98	228.09	17.70	38.94	1	NB

TERMINAL TYPES

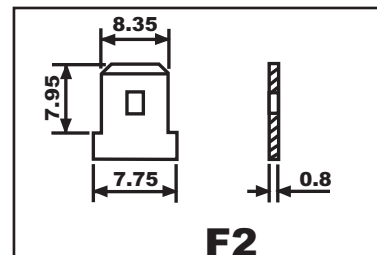
Our Industrial Battery Part Numbers are easy to understand. This chart breaks down the Industrial Battery Part Numbers.

GC	7	-	12	F1
Family	Amp Hours		Voltage	Terminal Type
<u>Family -</u>	<u>Amp Hours</u>		<u>Voltage</u>	<u>Terminal Types</u>
GC Electronics	0.5 /20 hr	20 /20 hr	4 = 4 Volts	F1 = 0.187 Quick Disconnect Tabs
	0.8 /20 hr	21 /20 hr	6 = 6 Volts	F2 = 0.250 Quick Disconnect Tabs
	1.1 /20 hr	22 /20 hr	8 = 8 Volts	FP = Positive F2, Negative F1
	1.2 /20 hr	24 /20 hr	12 = 12 Volts	B = Threaded Insert
	1.4 /20 hr	25 /20 hr	24 = 24 Volts	NB = Terminal Post with Nut and Bolt
	1.5 /20 hr	26 /20 hr		PC = Pressure Contact Terminal
	1.9 /20 hr	30 /20 hr		WL = Wire Leads
	2 /20 hr	31 /20 hr		
	2.3 /20 hr	33 /20 hr		
	2.5 /20 hr	35 /20 hr		
	2.6 /20 hr	36 /20 hr		
	2.8 /20 hr	37 /20 hr		
	2.9 /20 hr	38 /20 hr		
	3 /20 hr	40 /20 hr		
	3.2 /20 hr	42 /20 hr		
	3.5 /20 hr	45 /20 hr		
	4 /20 hr	50 /20 hr		
	4.2 /20 hr	51 /20 hr		
	4.5 /20 hr	56 /20 hr		
	4.6 /20 hr	60 /20 hr		
	5 /20 hr	65 /20 hr		
	5.4 /20 hr	70 /20 hr		
	5.5 /20 hr	75 /20 hr		
	6 /20 hr	80 /20 hr		
	6.5 /20 hr	90 /20 hr		
	7 /20 hr	92 /20 hr		
	7.2 /20 hr	95 /20 hr		
	7.6 /20 hr	100 /20 hr		
	8 /20 hr	103 /20 hr		
	8.5 /20 hr	110 /20 hr		
	9 /20 hr	115 /20 hr		
	9.5 /20 hr	120 /20 hr		
	10 /20 hr	124 /20 hr		
	10.5 /20 hr	130 /20 hr		
	12 /20 hr	135 /20 hr		
	13 /20 hr	140 /20 hr		
	14 /20 hr	150 /20 hr		
	15 /20 hr	153 /20 hr		
	17 /20 hr	200 /20 hr		
	18 /20 hr	210 /20 hr		

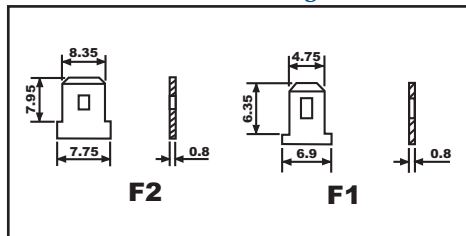
F1 = 0.187" (4.7625mm) Spade
 0.187" (4.75mm) x 0.032" (0.8mm)
 quick disconnect tabs



F2 = 0.250" (6.35mm) Spade
 0.250" (6.35mm) x 0.032" (0.8mm)
 quick disconnect tabs



FP = F2 Positive / F1 Negative



NB = Terminal Post with Nut & Bolt

PC = Pressure Contact Terminal

WL = Wire Leads

Options

H = High Power

FR = Flame Retardant

H = High Power (Capacity is 15% more than standard part number).
 High Capacity option is available on the following part numbers:

GC4.5-6F1-H

GC7-6F1-H

GC4.5-12F1-H

GC4.5-12F2-H

GC7-12F1-H

GC7-12F2-H

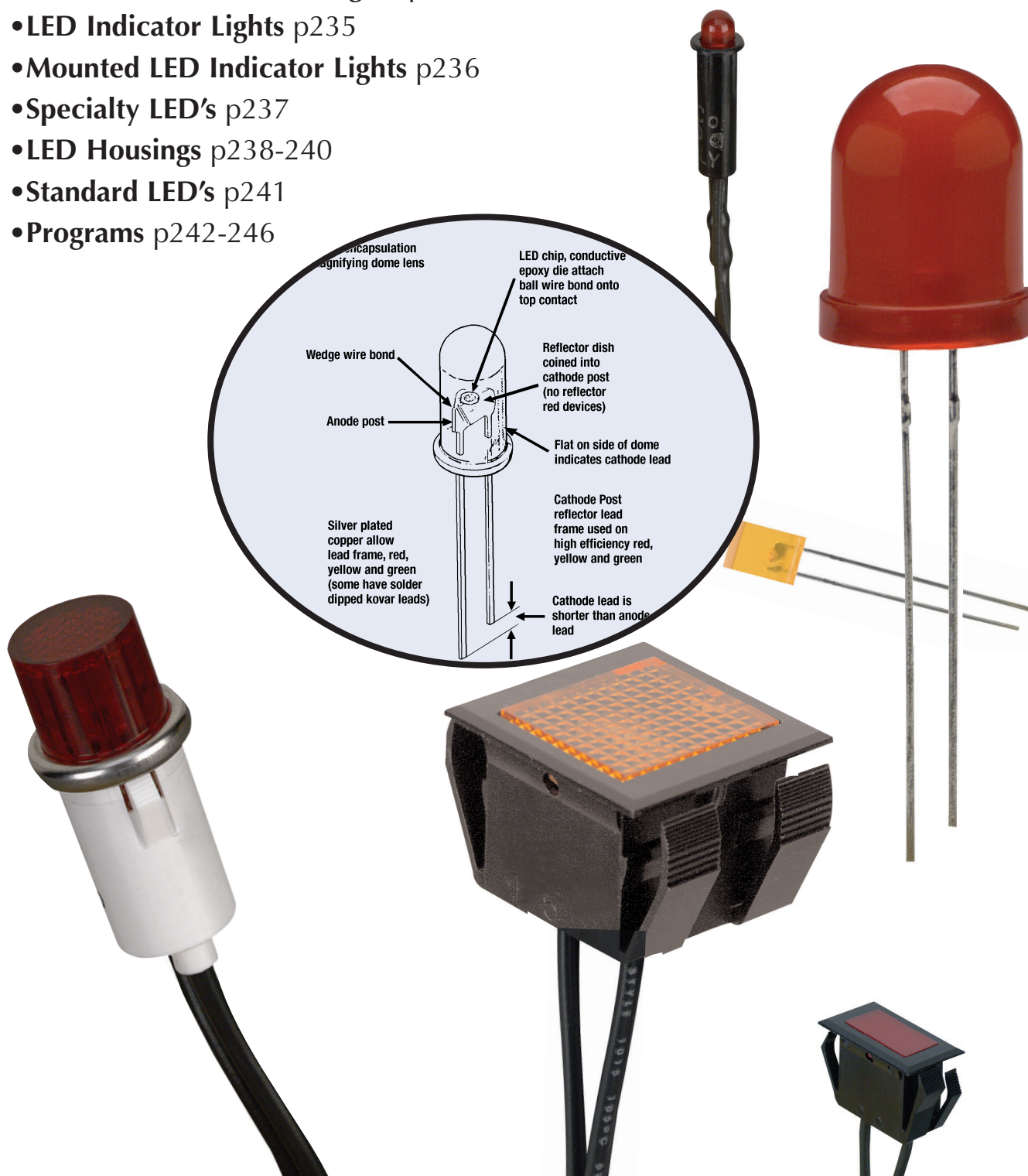
FR = Flame Retardant



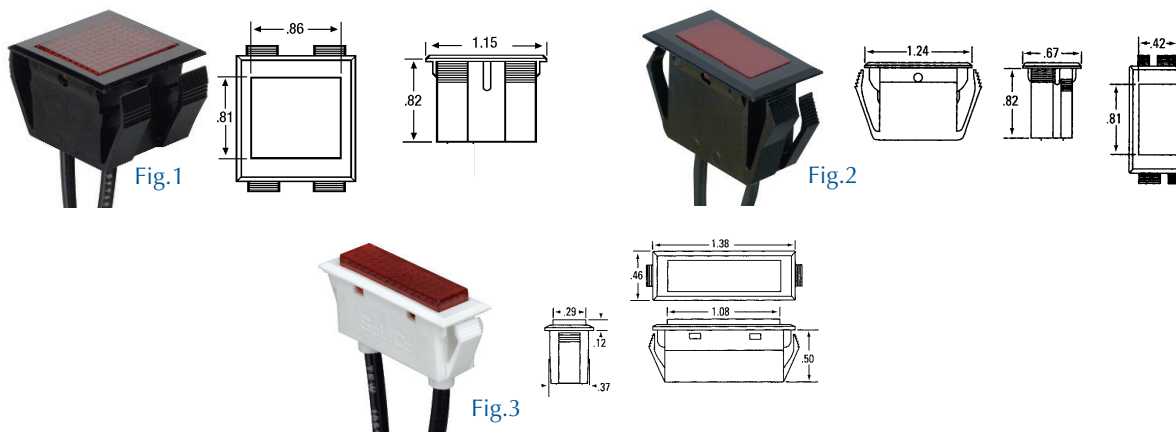
PANEL LAMPS/LED's

Contents:

- Panel Lamps p232
- Incandescent Indicator Lights p233-234
- LED Indicator Lights p235
- Mounted LED Indicator Lights p236
- Specialty LED's p237
- LED Housings p238-240
- Standard LED's p241
- Programs p242-246



PANEL LAMPS



Large Rectangular Snap-in Panel Lamps

These press-to-fit panel lamps are available in several colors and voltages. They are made from Nylon material and have 18 AWG 6" wire leads.

Retail Part No.	Bulk Part No.	Figure No.	Lamp Voltage	Lamp Current	Lamp Type	Lamp Termination	Lamp Life	Lamp Shape	Lamp Color
38-1132-50	38-1132-50BU	1	125V		Neon	Wire Leads	25,000	Square	Red
38-1132-12	38-1132-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Square	Red
38-1133-50	38-1133-50BU	1	125V		Neon	Wire Leads	25,000	Square	Amber
38-1133-12	38-1133-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Square	Amber
38-1135-50	38-1135-50BU	1	125V		Neon	Wire Leads	25,000	Square	Green
38-1135-12	38-1135-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Square	Green
38-1139-50	38-1139-50BU	1	125V		Neon	Wire Leads	25,000	Square	White
38-1139-12	38-1139-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Square	White

Rectangular Snap-in Panel Lamps

This is the most popular of the rectangular lamps used today. The device snaps into a panel cutout with a minimum panel thickness of .020"-.025". All lamps are made of a Nylon material with 18 AWG 6" wire leads.

Retail Part No.	Bulk Part No.	Figure No.	Lamp Voltage	Lamp Current	Lamp Type	Lamp Termination	Lamp Life	Lamp Shape	Lamp Color
38-1022-50	38-1022-50BU	2	125V		Neon	Wire Leads	25,000	Rectangular	Red
38-1022-12	38-1022-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	Rectangular	Red
38-1023-50	38-1023-50BU	2	125V		Neon	Wire Leads	25,000	Rectangular	Amber
38-1023-12	38-1023-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	Rectangular	Amber
38-1025-50	38-1025-50BU	2	125V		Neon	Wire Leads	25,000	Rectangular	Green
38-1025-12	38-1025-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	Rectangular	Green
38-1029-50	38-1029-50BU	2	125V		Neon	Wire Leads	25,000	Rectangular	White
38-1029-12	38-1029-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	Rectangular	White

3/8 Snap-in Rectangular Panel Lamps

Snaps into panel cutout of .375" x 1.28" x 0.5". The Nylon body comes with 6" 18 AWG wire leads.

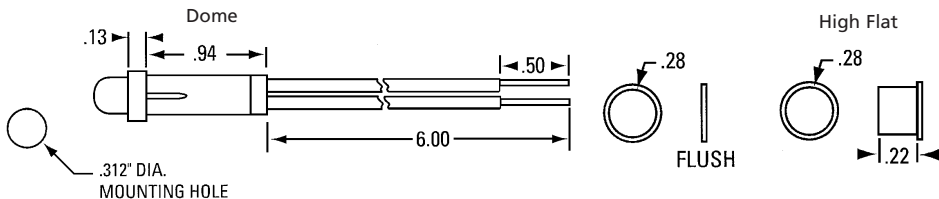
Retail Part No.	Bulk Part No.	Figure No.	Lamp Voltage	Lamp Current	Lamp Type	Lamp Termination	Lamp Life	Lamp Shape	Lamp Color
38-3002-50	38-3002-50BU	3	125V		Neon	Wire Leads	25,000	Rectangular	Red
38-3003-50	38-3003-50BU	3	125V		Neon	Wire Leads	25,000	Rectangular	Amber
38-3005-50	38-3005-50BU	3	125V		Neon	Wire Leads	25,000	Rectangular	Green



Fig.1



Fig.2



.312" Press-to-Fit Indicator Lights

These press-to-fit indicator lights fit into a .312" mounting hole, and are available in several colors and voltages. They are made from Nylon material and have 18 AWG 6" wire leads.

Retail Part No.	Bulk Part No.	Figure No.	Lamp Voltage	Lamp Current	Lamp Type	Lamp Termination	Lamp Life	Lamp Shape	Lamp Color
38-3540-50	38-3540-50BU	1	125V		Neon	Wire Leads	25,000	Flush	Clear
38-3540-12	38-3540-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Flush	Clear
38-3542-06	38-3542-06BU	1	6.3V	.04A	Incandescent	Wire Leads	50,000	Flush	Red
38-3542-50	38-3542-50BU	1	125V	.08A	Neon	Wire Leads	25,000	Flush	Red
38-3542-12		1	12V/14V		Incandescent	Wire Leads	50,000	Flush	Red
38-3543-06	38-3543-06BU	1	6V	.08A	Incandescent	Wire Leads	50,000	Flush	Amber
38-3543-50	38-3543-50BU	1	125V		Neon	Wire Leads	25,000	Flush	Amber
38-3543-12	38-3543-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Flush	Amber
38-3545-50	38-3545-50BU	1	125V		Neon	Wire Leads	25,000	Flush	Green
38-3545-12	38-3545-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Flush	Green
38-3546-50	38-3546-50BU	1	125V		Neon	Wire Leads	25,000	Flush	Blue
38-3546-12	38-3546-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Flush	Blue
38-3549-50	38-3549-50BU	1	125V		Neon	Wire Leads	25,000	Flush	White
38-3549-12	38-3549-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Flush	White
38-3550-50	38-3550-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Clear
38-3550-12	38-3550-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Clear
38-3552-50	38-3552-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Red
38-3552-12	38-3552-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Red
38-3553-50	38-3553-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Amber
38-3553-12	38-3553-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Amber
38-3555-50	38-3555-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Green
38-3555-12	38-3555-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Green
38-3556-50	38-3556-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Blue
38-3556-12	38-3556-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Blue

INDICATOR LIGHTS (Cont.)



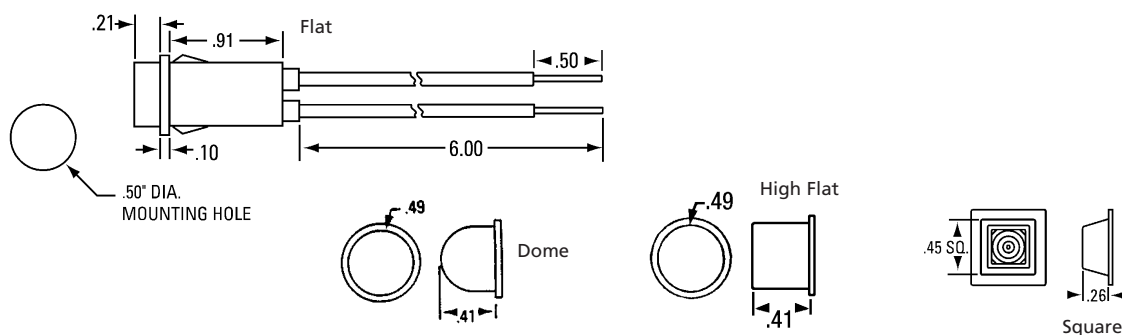
Fig.1



Fig.2



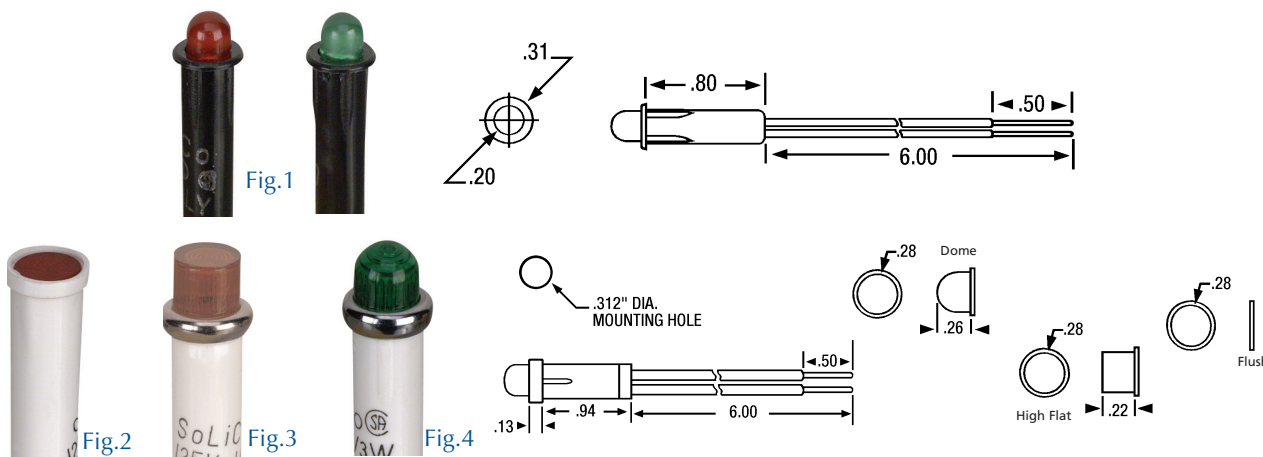
Fig.3



1/2" Press-to-Fit Indicator Lights

These are press-to-fit indicator lights for a .500" mounting hole, and are available in several colors and voltages. They are made from Nylon material and have 18 AWG 6" wire leads.

Retail Part No.	Bulk Part No.	Figure No.	Lamp Voltage	Lamp Current	Lamp Type	Lamp Termination	Lamp Life	Lamp Shape	Lamp Color
38-5452-50	38-5452-50BU	1	125V		Neon	Wire Leads	25,000	Square	Red
38-5453-06	38-5453-06BU	1	6.3V	.04A	Incandescent	Wire Leads	50,000	Square	Amber
38-5453-50	38-5453-50BU	1	125V		Neon	Wire Leads	25,000	Square	Amber
38-5453-12	38-5453-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Square	Amber
38-5455-06	38-5455-06BU	1	6.3V	.04A	Incandescent	Wire Leads	50,000	Square	Green
38-5455-50	38-5455-50BU	1	125V		Neon	Wire Leads	25,000	Square	Green
38-5455-12	38-5455-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Square	Green
38-5459-06	38-5459-06BU	1	6.3V	.04A	Incandescent	Wire Leads	50,000	Square	White
38-5459-50	38-5459-50BU	1	125V		Neon	Wire Leads	25,000	Square	White
38-5459-12	38-5459-12BU	1	12V/14V	.08A	Incandescent	Wire Leads	50,000	Square	White
38-5462-06	38-5462-06BU	2	6.3V	.04A	Incandescent	Wire Leads	50,000	High Flat	Red
38-5462-50	38-5462-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Red
38-5462-12	38-5462-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Red
38-5463-06	38-5463-06BU	2	6.3V	.04A	Incandescent	Wire Leads	50,000	High Flat	Amber
38-5463-50	38-5463-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Amber
38-5463-12	38-5463-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Amber
38-5465-06	38-5465-06BU	2	6.3V	.04A	Incandescent	Wire Leads	50,000	High Flat	Green
38-5465-50	38-5465-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	Green
38-5465-12	38-5465-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	Green
38-5469-06	38-5469-06BU	2	6.3V	.04A	Incandescent	Wire Leads	50,000	High Flat	White
38-5469-50	38-5469-50BU	2	125V		Neon	Wire Leads	25,000	High Flat	White
38-5469-12	38-5469-12BU	2	12V/14V	.08A	Incandescent	Wire Leads	50,000	High Flat	White
38-5490-50	38-5490-50BU	3	125V		Neon	Wire Leads	25,000	Large Dome	Clear
38-5492-06	38-5492-06BU	3	6.3V	.04A	Incandescent	Wire Leads	50,000	Large Dome	Red
38-5492-50	38-5492-50BU	3	125V		Neon	Wire Leads	25,000	Large Dome	Red
38-5492-12	38-5492-12BU	3	12V/14V	.08A	Incandescent	Wire Leads	50,000	Large Dome	Red
38-5493-06	38-5493-06BU	3	6.3V	.04A	Incandescent	Wire Leads	50,000	Large Dome	Amber
38-5493-50	38-5493-50BU	3	125V		Neon	Wire Leads	25,000	Large Dome	Amber
38-5493-12	38-5493-12BU	3	12V/14V	.08A	Incandescent	Wire Leads	50,000	Large Dome	Amber
38-5495-06	38-5495-06BU	3	6.3V	.04A	Incandescent	Wire Leads	50,000	Large Dome	Green
38-5495-50	38-5495-50BU	3	125V		Neon	Wire Leads	25,000	Large Dome	Green
38-5495-12	38-5495-12BU	3	12V/14V	.08A	Incandescent	Wire Leads	50,000	Large Dome	Green
38-5496-06	38-5496-06BU	3	6.3V	.04A	Incandescent	Wire Leads	50,000	Large Dome	Blue
38-5496-50	38-5496-50BU	3	125V		Neon	Wire Leads	25,000	Large Dome	Blue
38-5496-12	38-5496-12BU	3	12V/14V	.08A	Incandescent	Wire Leads	50,000	Large Dome	Blue
38-5499-06	38-5499-06BU	3	6.3V	.04A	Incandescent	Wire Leads	25,000	Large Dome	White
38-5499-50	38-5499-50BU	3	125V		Neon	Wire Leads	25,000	Large Dome	White
38-5499-12	38-5499-12BU	3	12V/14V	.08A	Incandescent	Wire Leads	50,000	Large Dome	White



.25" Press-to-Fit Indicator Lights

These press-to-fit indicator lights fit into a .25" mounting hole, and are available in several colors and voltages. They are made from Nylon material and have 24 AWG 6" wire leads. These devices have current limiting resistors in the housing.

Retail Part No.	Bulk Part No.	Fig. No.	Fwd Current (I _F) mA	Operating Voltage	Resistor Included	LED Emitting Color	Lamp Shape	LED/Lamp Size
39-1752-06	39-1752-06BU	1	10	5V/6V	Yes	Red	Dome Lens	5mm (T-1-3/4)
39-1752-12	39-1752-12BU	1	10	12V/12V	Yes	Red	Dome Lens	5mm (T-1-3/4)
39-1752-24	39-1752-24BU	1	10	24V/28V	Yes	Red	Dome Lens	5mm (T-1-3/4)
39-1753-06	39-1753-06BU	1	10	5V/6V	Yes	Amber	Dome Lens	5mm (T-1-3/4)
39-1753-12	39-1753-12BU	1	10	12V/12V	Yes	Amber	Dome Lens	5mm (T-1-3/4)
39-1753-24	39-1753-24BU	1	10	24V/28V	Yes	Amber	Dome Lens	5mm (T-1-3/4)
39-1755-06	39-1755-06BU	1	10	5V/6V	Yes	Green	Dome Lens	5mm (T-1-3/4)
39-1755-12	39-1755-12BU	1	10	12V/12V	Yes	Green	Dome Lens	5mm (T-1-3/4)
39-1755-24	39-1755-24BU	1	10	24V/28V	Yes	Green	Dome Lens	5mm (T-1-3/4)

.312" Press-to-Fit Indicator Lights

These press-to-fit indicator lights fit into a .312" mounting hole, and are available in several colors and voltages. They are made from Nylon material and have 24 AWG 6" wire leads. These devices have current limiting resistors in the housing.

Retail Part No.	Bulk Part No.	Fig. No.	Fwd Current (I _F) mA	Operating Voltage	Resistor Included	LED Emitting Color	Lamp Shape	LED/Lamp Size
39-3542-06	39-3542-06BU	2	10	5V/6V	Yes	Red	Flush Lens	5mm (T-1-3/4)
39-3542-12	39-3542-12BU	2	10	12V/12V	Yes	Red	Flush Lens	5mm (T-1-3/4)
39-3542-28	39-3542-28BU	2	10	24V/28V	Yes	Red	Flush Lens	5mm (T-1-3/4)
39-3543-06	39-3543-06BU	2	10	5V/6V	Yes	Amber	Flush Lens	5mm (T-1-3/4)
39-3543-12	39-3543-12BU	2	10	12V/12V	Yes	Amber	Flush Lens	5mm (T-1-3/4)
39-3543-28	39-3543-28BU	2	10	24V/28V	Yes	Amber	Flush Lens	5mm (T-1-3/4)
39-3545-06	39-3545-06BU	2	10	5V/6V	Yes	Green	Flush Lens	5mm (T-1-3/4)
39-3545-12	39-3545-12BU	2	10	12V/12V	Yes	Green	Flush Lens	5mm (T-1-3/4)
39-3545-28	39-3545-28BU	2	10	24V/28V	Yes	Green	Flush Lens	5mm (T-1-3/4)
39-3552-06	39-3552-06BU	3	10	5V/6V	Yes	Red	High Flat	5mm (T-1-3/4)
39-3552-12	39-3552-12BU	3	10	12V/12V	Yes	Red	High Flat	5mm (T-1-3/4)
39-3552-28	39-3552-28BU	3	10	24V/28V	Yes	Red	High Flat	5mm (T-1-3/4)
39-3553-06	39-3553-06BU	3	10	5V/6V	Yes	Amber	High Flat	5mm (T-1-3/4)
39-3553-12	39-3553-12BU	3	10	12V/12V	Yes	Amber	High Flat	5mm (T-1-3/4)
39-3553-28	39-3553-28BU	3	10	24V/28V	Yes	Amber	High Flat	5mm (T-1-3/4)
39-3555-06	39-3555-06BU	3	10	5V/6V	Yes	Green	High Flat	5mm (T-1-3/4)
39-3555-12	39-3555-12BU	3	10	12V/12V	Yes	Green	High Flat	5mm (T-1-3/4)
39-3555-28	39-3555-28BU	3	10	24V/28V	Yes	Green	High Flat	5mm (T-1-3/4)
39-3562-06	39-3562-06BU	4	10	5V/6V	Yes	Red	Dome Lens	5mm (T-1-3/4)
39-3562-12	39-3562-12BU	4	10	12V/12V	Yes	Red	Dome Lens	5mm (T-1-3/4)
39-3562-28	39-3562-28BU	4	10	24V/28V	Yes	Red	Dome Lens	5mm (T-1-3/4)
39-3563-06	39-3563-06BU	4	10	5V/6V	Yes	Amber	Dome Lens	5mm (T-1-3/4)
39-3563-12	39-3563-12BU	4	10	12V/12V	Yes	Amber	Dome Lens	5mm (T-1-3/4)
39-3563-28	39-3563-28BU	4	10	24V/28V	Yes	Amber	Dome Lens	5mm (T-1-3/4)
39-3565-06	39-3565-06BU	4	10	5V/6V	Yes	Green	Dome Lens	5mm (T-1-3/4)
39-3565-12	39-3565-12BU	4	10	12V/12V	Yes	Green	Dome Lens	5mm (T-1-3/4)
39-3565-28	39-3565-28BU	4	10	24V/28V	Yes	Green	Dome Lens	5mm (T-1-3/4)

MOUNTED LED INDICATOR LIGHTS



Fig.1



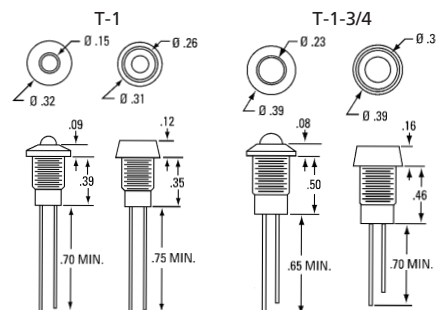
Fig.2



Fig.3



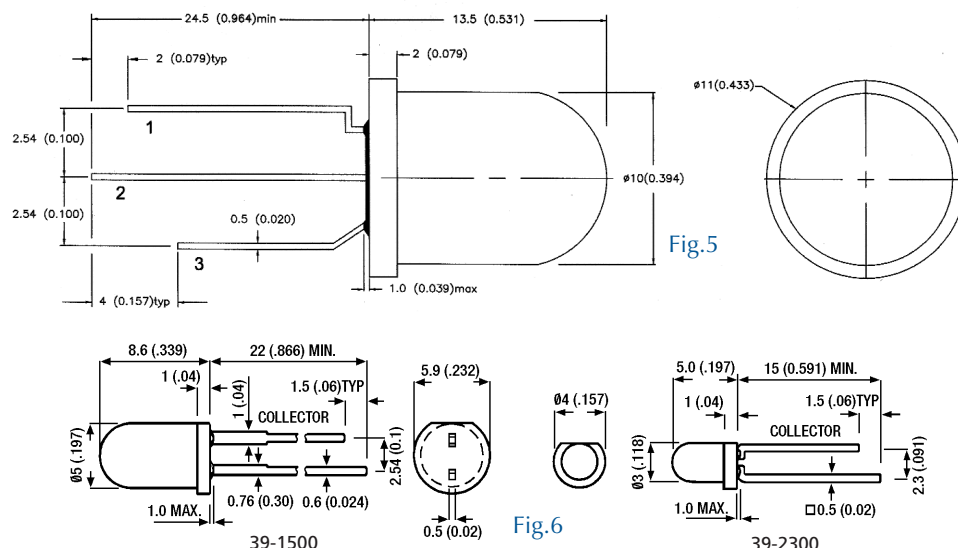
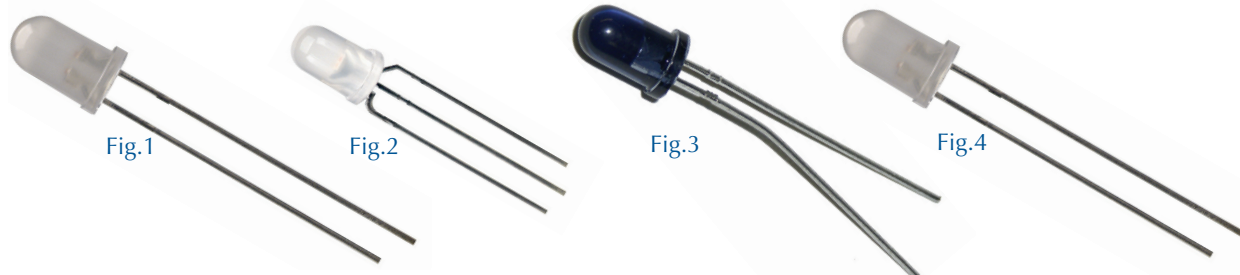
Fig.4



Bezel Mounted LED Indicator Lights

The Bezel mounts are available in several styles for both T-1 (3mm) and T-1-3/4 (5mm) sizes. The T-1 size uses a mounting hole of .24" and the T-1-3/4 uses .31" diameter hole. All devices greater than 2V have current limiting resistors mounted in the leads.

Retail Part No.	Bulk Part No.	Fig. No.	Fwd Curr (I _F) mA	Operating Voltage	Resistor Included	LED Emitting Color	Mounting Type	LED/Lamp Size
39-4612-05	39-4612-05BU	1	10	5V/6V	Yes	Red	Recess Chrome	3mm (T-1)
39-4612-12	39-4612-12BU	1	10	12V/14V	Yes	Red	Recess Chrome	3mm (T-1)
39-4614-05	39-4614-05BU	1	10	5V/6V	Yes	Yellow	Recess Chrome	3mm (T-1)
39-4614-12	39-4614-12BU	1	10	12V/14V	Yes	Yellow	Recess Chrome	3mm (T-1)
39-4615-05	39-4615-05BU	1	10	5V/6V	Yes	Green	Recess Chrome	3mm (T-1)
39-4615-12	39-4615-12BU	1	10	12V/14V	Yes	Green	Recess Chrome	3mm (T-1)
39-5612-05	39-5612-05BU	1	10	5V/6V	Yes	Red	Recess Chrome	5mm (T-1-3/4)
39-5612-12	39-5612-12BU	1	10	12V/14V	Yes	Red	Recess Chrome	5mm (T-1-3/4)
39-5614-05	39-5614-05BU	1	10	5V/6V	Yes	Yellow	Recess Chrome	5mm (T-1-3/4)
39-5614-12	39-5614-12BU	1	10	12V/14V	Yes	Yellow	Recess Chrome	5mm (T-1-3/4)
39-5615-05	39-5615-05BU	1	10	5V/6V	Yes	Green	Recess Chrome	5mm (T-1-3/4)
39-5615-12	39-5615-12BU	1	10	12V/14V	Yes	Green	Recess Chrome	5mm (T-1-3/4)
39-4622-05	39-4622-05BU	2	10	5V/6V	Yes	Red	Recess Black	3mm (T-1)
39-4622-12	39-4622-12BU	2	10	12V/14V	Yes	Red	Recess Black	3mm (T-1)
39-4624-05	39-4624-05BU	2	10	5V/6V	Yes	Yellow	Recess Black	3mm (T-1)
39-4624-12	39-4624-12BU	2	10	12V/14V	Yes	Yellow	Recess Black	3mm (T-1)
39-4625-05	39-4625-05BU	2	10	5V/6V	Yes	Green	Recess Black	3mm (T-1)
39-4625-12	39-4625-12BU	2	10	12V/14V	Yes	Green	Recess Black	3mm (T-1)
39-5622-05	39-5622-05BU	2	10	5V/6V	Yes	Red	Recess Black	5mm (T-1-3/4)
39-5622-12	39-5622-12BU	2	10	12V/14V	Yes	Red	Recess Black	5mm (T-1-3/4)
39-5624-05	39-5624-05BU	2	10	5V/6V	Yes	Yellow	Recess Black	5mm (T-1-3/4)
39-5624-12	39-5624-12BU	2	10	12V/14V	Yes	Yellow	Recess Black	5mm (T-1-3/4)
39-5625-05	39-5625-05BU	2	10	5V/6V	Yes	Green	Recess Black	5mm (T-1-3/4)
39-5625-12	39-5625-12BU	2	10	12V/14V	Yes	Green	Recess Black	5mm (T-1-3/4)
39-4632-05	39-4632-05BU	3	10	5V/6V	Yes	Red	Dome Chrome	3mm (T-1)
39-4632-12	39-4632-12BU	3	10	12V/14V	Yes	Red	Dome Chrome	3mm (T-1)
39-4634-05	39-4634-05BU	3	10	5V/6V	Yes	Yellow	Dome Chrome	3mm (T-1)
39-4634-12	39-4634-12BU	3	10	12V/14V	Yes	Yellow	Dome Chrome	3mm (T-1)
39-4635-05	39-4635-05BU	3	10	5V/6V	Yes	Green	Dome Chrome	3mm (T-1)
39-4635-12	39-4635-12BU	3	10	12V/14V	Yes	Green	Dome Chrome	3mm (T-1)
39-5632-05	39-5632-05BU	3	10	5V/6V	Yes	Red	Dome Chrome	5mm (T-1-3/4)
39-5632-12	39-5632-12BU	3	10	12V/14V	Yes	Red	Dome Chrome	5mm (T-1-3/4)
39-5634-05	39-5634-05BU	3	10	5V/6V	Yes	Yellow	Dome Chrome	5mm (T-1-3/4)
39-5634-12	39-5634-12BU	3	10	12V/14V	Yes	Yellow	Dome Chrome	5mm (T-1-3/4)
39-5635-05	39-5635-05BU	3	10	5V/6V	Yes	Green	Dome Chrome	5mm (T-1-3/4)
39-5635-12	39-5635-12BU	3	10	12V/14V	Yes	Green	Dome Chrome	5mm (T-1-3/4)
39-4642-05	39-4642-05BU	4	10	5V/6V	Yes	Red	Dome Black	3mm (T-1)
39-4642-12	39-4642-12BU	4	10	12V/14V	Yes	Red	Dome Black	3mm (T-1)
39-4644-05	39-4644-05BU	4	10	5V/6V	Yes	Yellow	Dome Black	3mm (T-1)
39-4644-12	39-4644-12BU	4	10	12V/14V	Yes	Yellow	Dome Black	3mm (T-1)
39-4645-05	39-4645-05BU	4	10	5V/6V	Yes	Green	Dome Black	3mm (T-1)
39-4645-12	39-4645-12BU	4	10	12V/14V	Yes	Green	Dome Black	3mm (T-1)
39-5642-05	39-5642-05BU	4	10	5V/6V	Yes	Red	Dome Black	5mm (T-1-3/4)
39-5642-12	39-5642-12BU	4	10	12V/14V	Yes	Red	Dome Black	5mm (T-1-3/4)
39-5644-05	39-5644-05BU	4	10	5V/6V	Yes	Yellow	Dome Black	5mm (T-1-3/4)
39-5644-12	39-5644-12BU	4	10	12V/14V	Yes	Yellow	Dome Black	5mm (T-1-3/4)
39-5645-05	39-5645-05BU	4	10	5V/6V	Yes	Green	Dome Black	5mm (T-1-3/4)
39-5645-12	39-5645-12BU	4	10	12V/14V	Yes	Green	Dome Black	5mm (T-1-3/4)



Bi-Color LED's

The LED's emit two different colors of light depending on the way the voltage is applied to the device. These are available in both two (2) legged and three (3) legged versions. With the three (3) legged models, if voltage is applied from both directions at the same time, a third color is visible.

Retail Part No.	Bulk Part No.	Figure No.	Fwd/Rev Current (I _F) mA	Max Forward Voltage	Typical Forward Voltage	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-7324	39-7324-BU	1	20/10	2.5V	2.0V	High Red/Yellow	Diffused	60	3mm (T-1)
39-7325	39-7325-BU	1	20/20	2.5V	2.0V	High Red/Green	Diffused	60	3mm (T-1)
39-7354	39-7354-BU	1	20/10	2.5V	2.0V	Green/Yellow	Diffused	60	3mm (T-1)
39-7524	39-7524-BU	1	20/10	2.5V	2.0V	High Red/Yellow	Diffused	60	5mm (T-1-3/4)
39-7525	39-7525-BU	1	20/20	2.5V	2.0V	High Red/Green	Diffused	60	5mm (T-1-3/4)
39-7554	39-7554-BU	1	20/10	2.5V	2.0V	Green/Yellow	Diffused	60	5mm (T-1-3/4)
39-9524	39-9524-BU	2,5	20/10	2.5V	2.0V	High Red/Yellow	Diffused	60	5mm (T-1-3/4)
39-9525	39-9525-BU	2,5	20/20	2.5V	2.0V	High Red/Green	Diffused	60	5mm (T-1-3/4)
39-9554	39-9554-BU	2,5	20/10	2.5V	2.0V	High Red/Green	Diffused	60	5mm (T-1-3/4)
39-9125	39-9125-BU	2,5	20/20	2.5V	2.0V	Green/Yellow	Diffused	50	10mm

Infra-Red Emitters

The infrared emitting LED's are widely used in transmitters and remote control devices.

Retail Part No.	Bulk Part No.	Figure No.	Forward Current (I _F) mA	Max Forward Voltage	Typical Forward Voltage	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-3507	39-3507-BU	3	20	1.5V	1.2V	Infrared	Blue Transparent	30	5mm (T-1-3/4)
39-3508	39-3508-BU	3	20	1.7V	1.4V	Infrared	Blue Transparent	30	5mm (T-1-3/4)
39-4355	39-4355-BU	3	20	1.7V	1.4V	Infrared	Blue Transparent	30	3mm (T-1)

Photo Transistors

An electronic switch, that when activated, allows current to pass through the device.

Retail Part No.	Bulk Part No.	Figure No.	Collector/Emitter Breakdown Voltage	Emitter/Collector Breakdown Voltage	On-State Collector Current	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-1500	39-1500-BU	4,6	30V	5V	(2-8)mA	Photo Transistor	Clear	N/A	5mm (T-1-3/4)
39-2300	39-2300-BU	4,6	30V	5V	(2-8)mA	Photo Transistor	Clear	N/A	3mm (T-1)

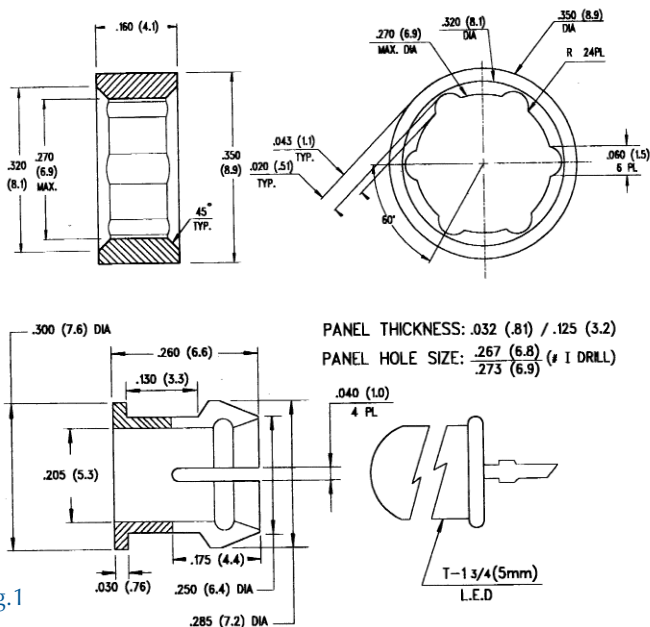


Fig.1

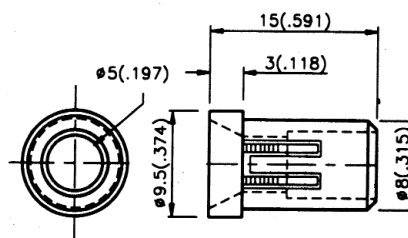


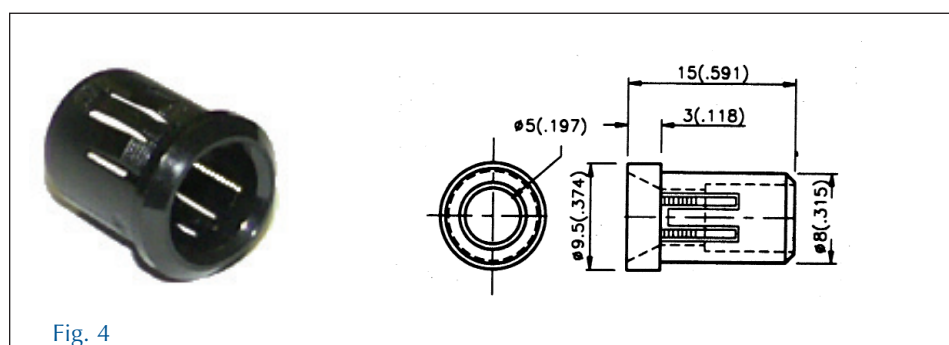
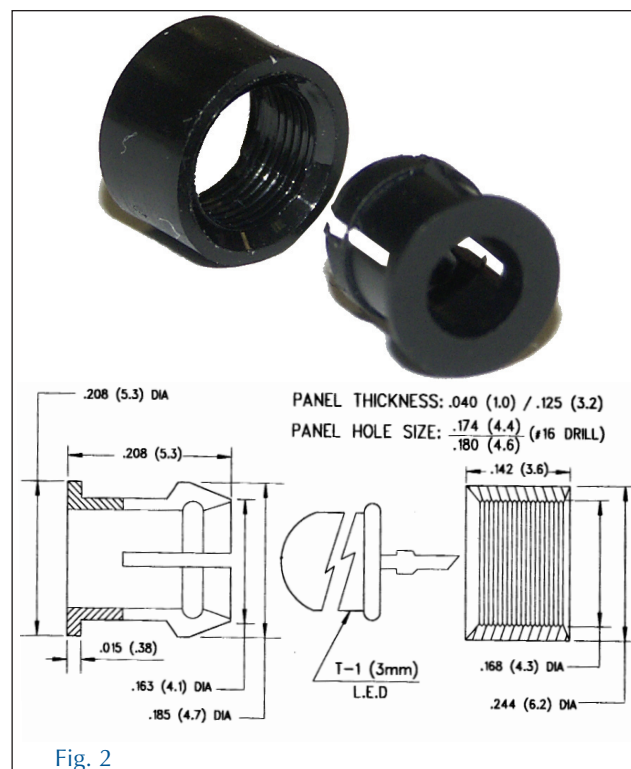
Fig.3

Fig.2

Snap-in Mounting Hardware for Panel Mount LED's

Retail Part No.	Bulk Part No.	Figure No.	Mounting Type	LED/Lamp Size
39-105	39-105-BU	1	Clip and Ring	5mm (T-1-3/4)
39-150	39-150-BU	2	1 Piece Snap-in	5mm (T-1-3/4)
39-205	39-205-BU	3	1 Piece Snap-in	5mm (T-1-3/4)

Panel Lamps



Snap-in Mounting Hardware for Panel Mount LED's (Cont.)

Retail Part No.	Bulk Part No.	Figure No.	Mounting Type	LED/Lamp Size
39-250		1	Clip and Ring	10mm (T-1-3/4)
39-130	39-130-BU	2	Clip and Ring	3mm (T-1)
39-230	39-230-BU	3	Clip and Ring	3mm (T-1)
39-901	39-901-BU	4	1 Piece Snap-in	3mm (T-1)

LED HOUSINGS (Cont.)



Fig.1

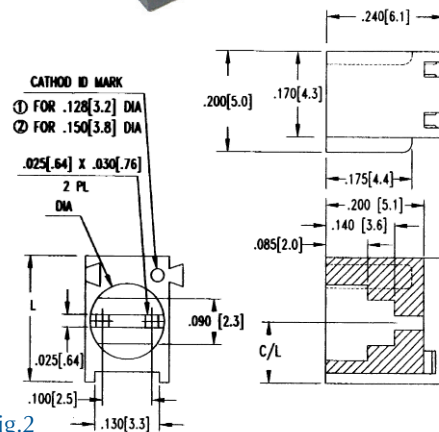
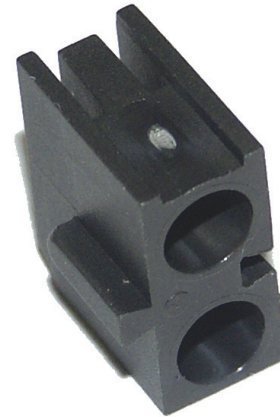


Fig.2

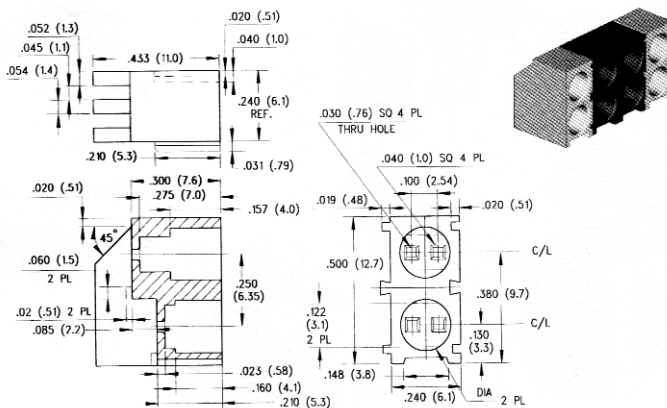
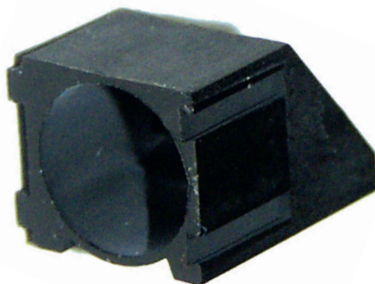


Fig.3

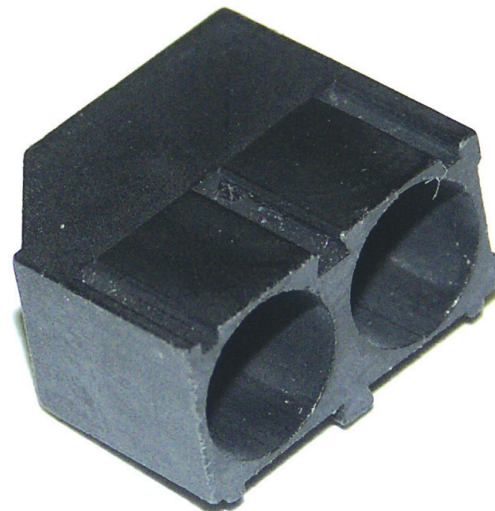


Fig.4

Stackable Molded LED Holders for 90° Display Mounting

	Retail Part No.	Bulk Part No.	Figure No.	No. of LED's	LED/Lamp Size
	39-132	39-132-BU	1	1	3mm (T-1)
	39-232	39-232-BU	2	2	3mm (T-1)
	39-152	39-152-BU	3	1	5mm (T-1-3/4)
	39-252	39-252-BU	4	2	5mm (T-1-3/4)

PANEL LAMPS/LED's

STANDARD LED's

3mm (T-1)

These devices are 3mm in diameter, or .118".

Retail Part No.	Part No. Packaged	Figure No.	Forward Current (I _F) mA	Max Forward Voltage	Typical Forward Voltage	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-4301		1	10	2.5V	2.0V	High Red	Diffused	60	3mm (T-1)
39-4302		1	10	2.5V	2.0V	Red	Diffused	60	3mm (T-1)
39-4303		1	10	2.5V	2.0V	Amber	Diffused	60	3mm (T-1)
39-4304		1	10	2.5V	2.0V	Yellow	Diffused	60	3mm (T-1)
39-4305	39-4305-BU	1	10	2.5V	2.0V	Green	Diffused	60	3mm (T-1)
39-4391		1	10	2.5V	2.0V	High Red	Diffused	60	3mm (T-1)
39-4392	39-4392-BU	1	10	2.5V	2.0V	Red	Diffused	60	3mm (T-1)
39-4393		1	10	2.5V	2.0V	Orange	Diffused	60	3mm (T-1)
39-4394		1	10	2.5V	2.0V	Yellow	Diffused	60	3mm (T-1)
39-4395		1	10	2.5V	2.0V	Green	Diffused	60	3mm (T-1)



Fig.1



Fig.2

5mm (T-1-3/4)

These devices are 5mm in diameter, or .197".

Retail Part No.	Part No. Packaged	Figure No.	Forward Current (I _F) mA	Max Forward Voltage	Typical Forward Voltage	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-3501		2	10	2.5V	2.0V	High Red	Diffused	60	5mm
39-3502		2	10	2.5V	2.0V	Red	Diffused	60	5mm
39-3504		2	10	2.5V	2.0V	Yellow	Diffused	60	5mm
39-3505		2	10	2.5V	2.0V	Green	Diffused	60	5mm
39-3506	39-3506-BU	2	10	2.5V	2.0V	Blue	Diffused	50	5mm
39-3512	39-3512-BU	2	10	2.5V	2.0V	Super Red	Diffused	60	5mm
39-3513	39-3513-BU	2	10	2.5V	2.0V	Pure Orange	Diffused	60	5mm
39-3515	39-3515-BU	2	10	2.5V	2.0V	Super Green	Diffused	60	5mm



Fig.3



Fig.4

10mm

These devices are 10mm in diameter, or .394".

Retail Part No.	Part No. Packaged	Figure No.	Forward Current (I _F) mA	Max Forward Voltage	Typical Forward Voltage	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-3182		3	20	2.5V	2.0V	High Red	Diffused	60	10mm
39-3183		3	20	2.5V	2.0V	Pure Orange	Diffused	60	10mm
39-3184	39-3184-BU	3	20	2.5V	2.0V	Yellow	Diffused	60	10mm
39-3185		3	20	2.5V	2.0V	Green	Diffused	60	10mm



Fig.5



Fig.6

Rectangular

These devices are 2mm x 5mm in size, or .079" x .197".

Retail Part No.	Part No. Packaged	Figure No.	Forward Current (I _F) mA	Max Forward Voltage	Typical Forward Voltage	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-3011	39-3011-BU	4	10	2.5V	2.0V	High Red	Diffused	110	2mm x 5mm
39-3012	39-3012-BU	4	10	2.5V	2.0V	Red	Diffused	110	2mm x 5mm
39-3013	39-3013-BU	4	10	2.5V	2.0V	Pure Orange	Diffused	110	2mm x 5mm
39-3014	39-3014-BU	4	10	2.5V	2.0V	Yellow	Diffused	110	2mm x 5mm
39-3015	39-3015-BU	4	10	2.5V	2.0V	Green	Diffused	110	2mm x 5mm
39-3111		4	20	2.5V	2.0V	Super Red	Diffused	110	2mm x 5mm

Blinking LED's

The blinking LED is designed to flash on/off at regular intervals depending upon the operating voltage. The frequency of the flashing ranges from 1.5 Hz to 2.5 Hz. The higher the operating voltage, the slower it flashes.

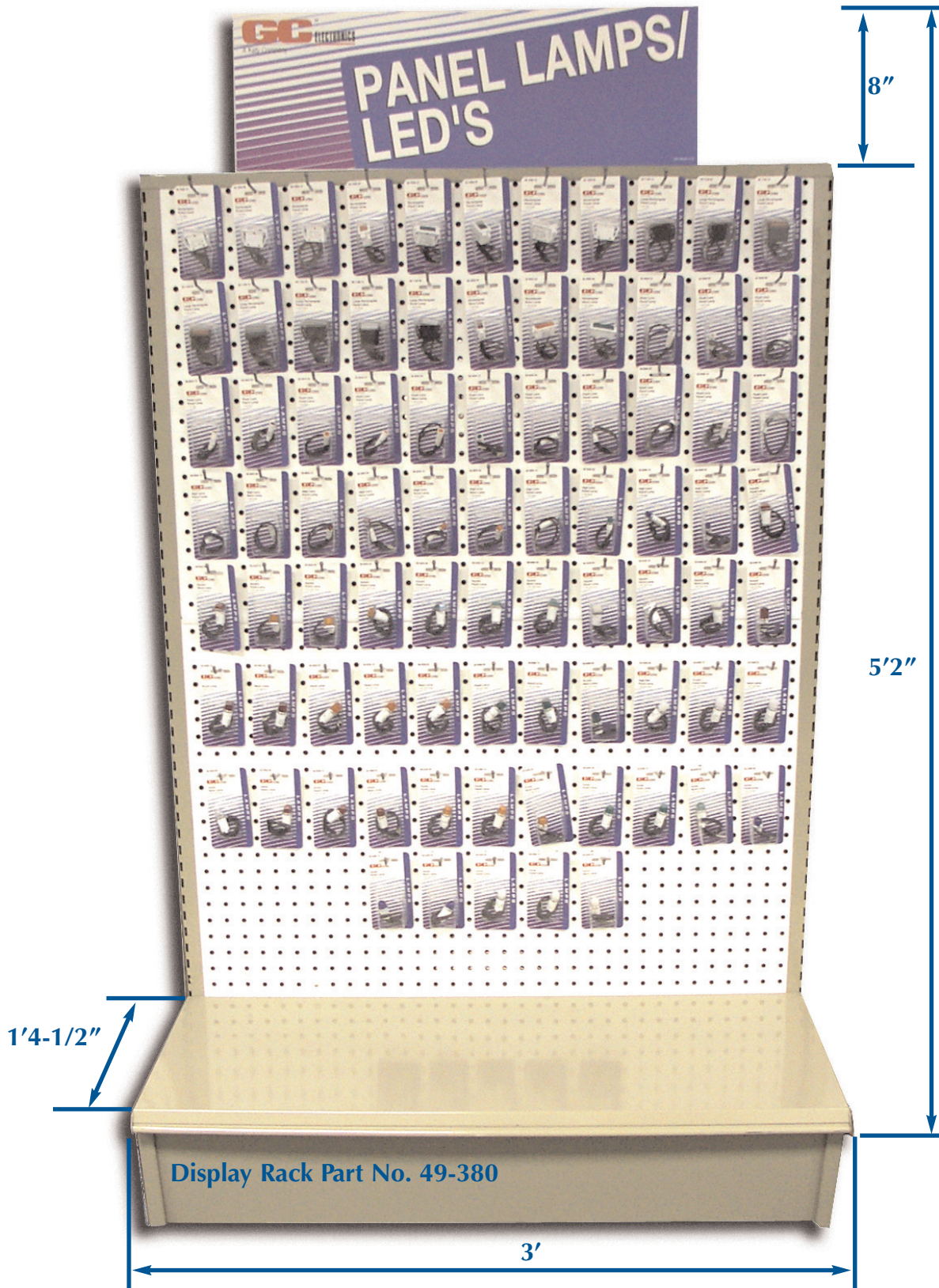
Retail Part No.	Part No. Packaged	Figure No.	Forward Current (I _F) mA	Max Forward Voltage	Typical Forward Voltage	LED Emitting Color	Case Type	View Angle	LED/Lamp Size
39-6161	39-6161-BU	5	10	2.5V	2.0V	Blinking High Red	Diffused	60	3mm (T-1)
39-6162	39-6162-BU	5	10	2.5V	2.0V	Blinking Red	Diffused	60	3mm (T-1)
39-6165	39-6165-BU	5	10	2.5V	2.0V	Blinking Green	Diffused	60	3mm (T-1)
39-6501	39-6501-BU	6	10	2.5V	2.0V	Blinking High Red	Diffused	60	5mm (T-1-3/4)
39-6502	39-6502-BU	6	10	2.5V	2.0V	Blinking Red	Diffused	60	5mm (T-1-3/4)
39-6511	39-6511-BU	6	10	2.5V	2.0V	Blinking Super Red	Diffused	60	5mm (T-1-3/4)
39-6514	39-6514-BU	6	10	2.5V	2.0V	Blinking Yellow	Diffused	60	5mm (T-1-3/4)
39-6515	39-6515-BU	6	10	2.5V	2.0V	Blinking Green	Diffused	60	5mm (T-1-3/4)
39-6182	39-6182-BU	7	20	2.5V	2.0V	Blinking Super Red	Clear	40	10mm
39-6185	39-6185-BU	7	20	2.5V	2.0V	Blinking Green	Diffused	60	10mm



Fig.7

PANEL LAMP/LED PROGRAMS

- Panel Lamp Program 49-380
- 82 Panel Lamp/LED Part Numbers
- 3 Foot Program
- Rectangular, Square, Flush Lens, High Lens, Round, Dome and Neon Panel Lamps



PANEL LAMPS/LED's



PANEL LAMP/LED PROGRAMS (Cont.)

- Panel Lamp Program 49-380
- 82 Panel Lamp/LED Part Numbers
- 3 Foot Program
- Rectangular, Square, Flush Lens, High Lens, Round, Dome and Neon Panel Lamps

Program Contents:

Retail Part No.	Quantity per Program	Description
38-1022-12	4	Panel Lamp, Rectangular, 12V, Red
38-1022-50	4	Panel Lamp, Rectangular, 125V, Red
38-1023-12	4	Panel Lamp, Rectangular, 12V, Amber
38-1023-50	4	Panel Lamp, Rectangular, 125V, Amber
38-1025-12	4	Panel Lamp, Rectangular, 12V, Green
38-1025-50	4	Panel Lamp, Rectangular, 125V, Green
38-1029-12	2	Panel Lamp, Rectangular, 12V, White
38-1029-50	2	Panel Lamp, Rectangular, 125V, White
38-1132-12	2	Panel Lamp, Large Rectangular, 12V, Red
38-1132-50	2	Panel Lamp, Large Rectangular, 125V, Red
38-1133-12	2	Panel Lamp, Large Rectangular, 12V, Amber
38-1133-50	2	Panel Lamp, Large Rectangular, 125V, Amber
38-1135-12	2	Panel Lamp, Large Rectangular, 12V, Green
38-1135-50	2	Panel Lamp, Large Rectangular, 125V, Green
38-1139-12	2	Panel Lamp, Large Rectangular, 12V, White
38-1139-50	2	Panel Lamp, Large Rectangular, 125V, White
38-3002-50	2	Neon Lamp, Rectangular, 125V, Red
38-3003-50	2	Neon Lamp, Rectangular, 125V, Amber
38-3005-50	2	Neon Lamp, Rectangular, 125V, Green
38-3540-12	2	Panel Lamp, Flush Lens, 12V, Clear
38-3540-50	4	Panel Lamp, Flush Lens, 125V, Clear
38-3542-06	2	Panel Lamp, Flush Lens, 6.3V, Red
38-3542-12	4	Panel Lamp, Flush Lens, 12V, Red
38-3542-50	4	Panel Lamp, Flush Lens, 125V, Red
38-3543-06	2	Panel Lamp, Flush Lens, 6V, Amber
38-3543-12	4	Panel Lamp, Flush Lens, 12V, Amber
38-3543-50	4	Panel Lamp, Flush Lens, 125V, Amber
38-3545-12	4	Panel Lamp, Flush Lens, 12V, Green
38-3545-50	4	Panel Lamp, Flush Lens, 125V, Green
38-3546-12	4	Panel Lamp, Flush Lens, 12V, Blue
38-3546-50	4	Panel Lamp, Flush Lens, 125V, Blue
38-3549-12	4	Panel Lamp, Flush Lens, 12V, White
38-3549-50	4	Panel Lamp, Flush Lens, 125V, White
38-3550-12	4	Panel Lamp, High Lens, 12V, Clear
38-3550-50	2	Neon Lamp, High Lens, 125V, Clear
38-3552-12	4	Panel Lamp, High Lens, 12V, Red
38-3552-50	2	Neon Lamp, High Lens, 125V, Red
38-3553-12	4	Panel Lamp, High Lens, 12V, Amber
38-3553-50	4	Neon Lamp, High Lens, 125V, Amber
38-3555-12	4	Panel Lamp, High Lens, 12V, Green
38-3555-50	4	Neon Lamp, High Lens, 125V, Green
38-3556-12	4	Panel Lamp, High Lens, 12V, Blue
38-3556-50	4	Neon Lamp, High Lens, 125V, Blue
38-5452-50	2	Neon Lamp, Square, .45", 125V, Red
38-5453-06	2	Panel Lamp, Square, .45", 6.3V, Amber
38-5453-12	2	Panel Lamp, Square, .45", 12V, Amber
38-5453-50	2	Neon Lamp, Square, .45", 125V, Amber
38-5455-06	2	Panel Lamp, Square, .45", 6.3V, Green
38-5455-12	2	Panel Lamp, Square, .45", 12V, Green
38-5455-50	2	Neon Lamp, Square, .45", 125V, Green
38-5459-06	2	Panel Lamp, Square, .45", 6.3V, White
38-5459-12	2	Panel Lamp, Square, .45", 12V, White
38-5459-50	2	Neon Lamp, Square, .45", 125V, White
38-5462-06	2	Panel Lamp, Round, .46", 6.3V, Red
38-5462-12	2	Panel Lamp, Round, .46", 12V, Red
38-5462-50	2	Neon Lamp, Round, .46", 125V, Red
38-5463-06	2	Panel Lamp, Round, .46", 6.3V, Amber
38-5463-12	2	Panel Lamp, Round, .46", 12V, Amber
38-5463-50	2	Neon Lamp, Round, .46", 125V, Amber
38-5465-06	2	Panel Lamp, Round, .46", 6.3V, Green
38-5465-12	4	Panel Lamp, Round, .46", 12V, Green
38-5465-50	4	Neon Lamp, Round, .46", 125V, Green
38-5469-06	2	Panel Lamp, Round, .46", 6.3V, White
38-5469-12	2	Panel Lamp, Round, .46", 12V, White
38-5469-50	2	Neon Lamp, Round, .46", 125V, White
38-5490-50	2	Neon Lamp, Dome, .49", 125V, Clear

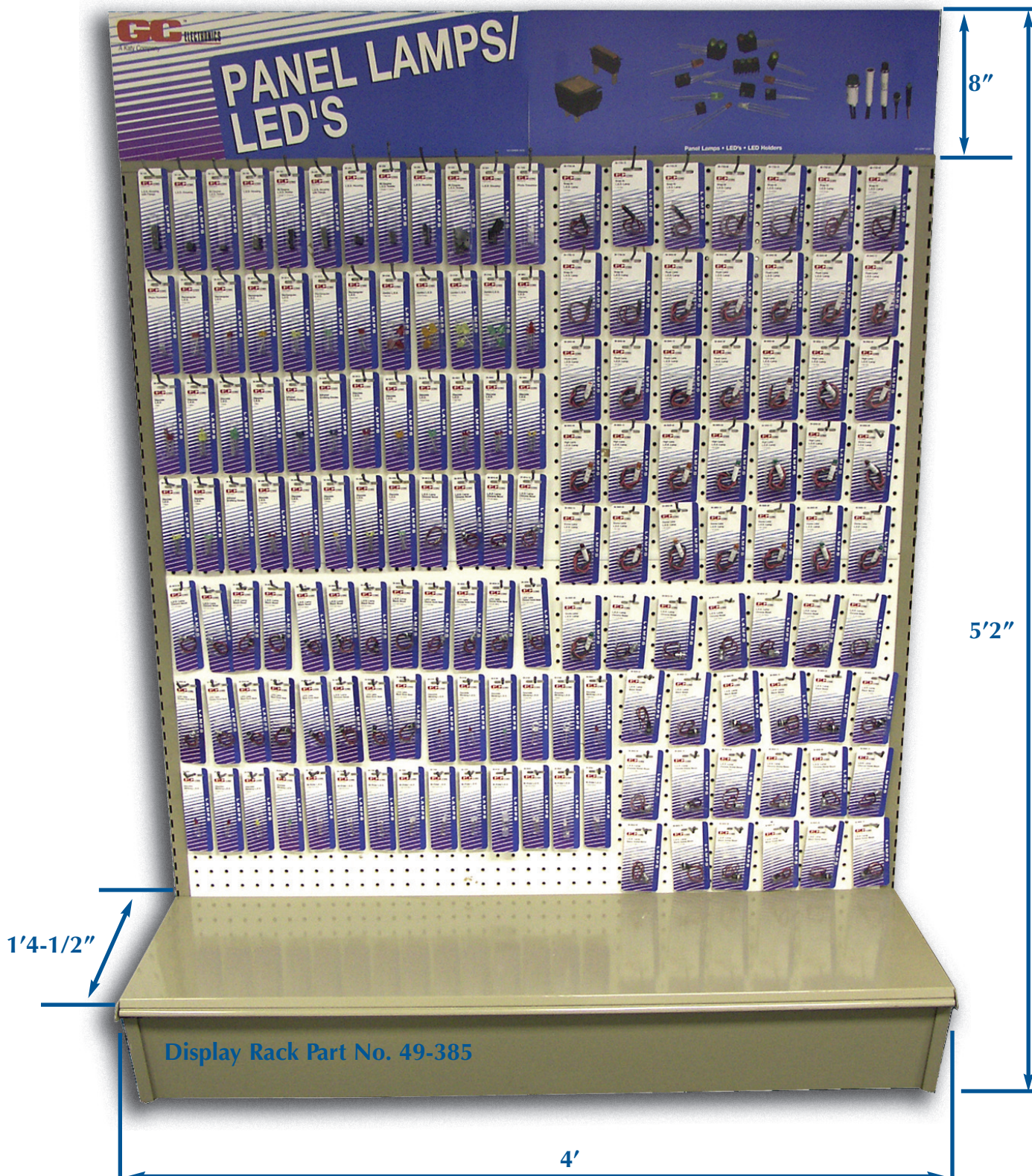
Retail Part No.	Quantity per Program	Description
38-5492-06	2	Panel Lamp, Dome .49", 6.3V Red
38-5492-12	4	Panel Lamp, Dome .49", 12V Red
38-5492-50	4	Neon Lamp, Dome .49", 125V Red
38-5493-06	2	Panel Lamp, Dome .49", 6.3V Amber
38-5493-12	4	Panel Lamp, Dome .49", 12V Amber
38-5493-50	4	Neon Lamp, Dome .49", 125V Amber
38-5495-06	2	Panel Lamp, Dome .49", 6.3V Green
38-5495-12	4	Panel Lamp, Dome .49", 12V Green
38-5495-50	4	Neon Lamp, Dome .49", 125V Green
38-5496-06	2	Panel Lamp, Dome .49", 6.3V Blue
38-5496-12	4	Panel Lamp, Dome .49", 12V Blue
38-5496-50	4	Neon Lamp, Dome .49", 125V Blue
38-5499-06	2	Panel Lamp, Dome .49", 6.3V White
38-5499-12	2	Panel Lamp, Dome .49", 12V White
38-5499-50	4	Neon Lamp, Dome .49", 125V White
49-380-03	1	Reorder Card Set
49-512-10R	90	6" Peg Hooks
75-2053-R	1	3' Rack
75-3001-5R	4	Brackets
75-3001-6R	4	2 Sided Tape
GC-PK-7491	1	Packing List
GC-RM-7492	1	Roadmap
GC-HDR-7478	1	Rack Header
GC-HDR-4781	1	Rack Header

Panel
Lamps

PANEL LAMP/LED PROGRAMS (Cont)

- Panel Lamp Program 49-385
- 149 Panel Lamp/LED Part Numbers
- 4 Foot Program
- Rectangular, Discrete, Flush Lens, High Lens, Bezeled, Dome and Jumbo LED Lamps

Panel
Lamps



PANEL LAMPS/LED's



PANEL LAMP/LED PROGRAMS (Cont.)

- Panel Lamp Program 49-385
- 4 Foot Program
- Rectangular, Discrete, Flush Lens, High Lens, Bezeled, Dome and Jumbo LED Lamps

Program Contents:

Retail Part No.	Quantity per Program	Description
39-105	3	LED Housing with Flange
39-130	3	LED Housing
39-132	3	90° Single T-1 (3mm) LED Holder
39-150	3	LED Housing
39-152	3	90° Single T-1.75 (5mm) LED Holder
39-205	3	LED Housing with Flange
39-230	3	LED Housing
39-232	3	90° Double T-1 (3mm) LED Holder
39-250	3	LED Housing
39-252	3	90° Double T-1.75 (5mm) LED Holder
39-901	3	LED Housing
39-1500	2	Photo Transistor
39-1752-06	2	LED Lamp, Snap-In, 6V, Red
39-1752-12	2	LED Lamp, Snap-In, 12V, Red
39-1752-24	2	LED Lamp, Snap-In, 24V, Red
39-1753-06	2	LED Lamp, Snap-In, 6V, Amber
39-1753-12	2	LED Lamp, Snap-In, 12V, Amber
39-1753-24	2	LED Lamp, Snap-In, 24V, Amber
39-1755-06	2	LED Lamp, Snap-In, 6V, Green
39-1755-12	2	LED Lamp, Snap-In, 12V, Green
39-1755-24	2	LED Lamp, Snap-In, 24V, Green
39-2300	2	Photo Transistor
39-3011	3	Rectangular LED, High Red
39-3012	3	Rectangular LED, Red
39-3013	3	Rectangular LED, Pure Orange
39-3014	3	Rectangular LED, Yellow
39-3015	3	Rectangular LED, Green
39-3111	3	Rectangular LED, Super Red
39-3182	3	Jumbo LED, High Red
39-3183	3	Jumbo LED, Pure Orange
39-3184	3	Jumbo LED, Yellow
39-3185	3	Jumbo LED, Green
39-3501	3	Discrete LED, High Red
39-3502	3	Discrete LED, Red
39-3504	3	Discrete LED, Yellow
39-3505	3	Discrete LED, Green
39-3506	2	Discrete LED, Blue
39-3507	2	Infrared Emitting Diodes
39-3508	2	Infrared Emitting Diodes
39-3512	2	Discrete LED, Super Red
39-3513	3	Discrete LED, Pure Orange
39-3515	3	Discrete LED, Super Green
39-3542-06	2	LED Lamp, Flush Lens, 6V, Red
39-3542-12	2	LED Lamp, Flush Lens, 12V, Red
39-3542-28	2	LED Lamp, Flush Lens, 28V, Red
39-3543-06	2	LED Lamp, Flush Lens, 6V, Amber
39-3543-12	2	LED Lamp, Flush Lens, 12V, Amber
39-3543-28	2	LED Lamp, Flush Lens, 28V, Amber
39-3545-06	2	LED Lamp, Flush Lens, 6V, Green
39-3545-12	2	LED Lamp, Flush Lens, 12V, Green
39-3545-28	2	LED Lamp, Flush Lens, 28V, Green
39-3552-06	2	LED Lamp, High Lens, 6V, Red
39-3552-12	2	LED Lamp, High Lens, 12V, Red
39-3552-28	2	LED Lamp, High Lens, 28V, Red
39-3553-06	2	LED Lamp, High Lens, 6V, Amber
39-3553-12	2	LED Lamp, High Lens, 12V, Amber
39-3553-28	2	LED Lamp, High Lens, 28V, Amber
39-3555-06	2	LED Lamp, High Lens, 6V, Green
39-3555-12	2	LED Lamp, High Lens, 12V, Green
39-3555-28	2	LED Lamp, High Lens, 28V, Green
39-3562-06	2	LED Lamp, Dome Lens, 6V, Red
39-3562-12	2	LED Lamp, Dome Lens, 12V, Red
39-3562-28	2	LED Lamp, Dome Lens, 28V, Red
39-3563-06	2	LED Lamp, Dome Lens, 6V, Amber
39-3563-12	2	LED Lamp, Dome Lens, 12V, Amber
39-3563-28	2	LED Lamp, Dome Lens, 28V, Amber
39-3565-06	2	LED Lamp, Dome Lens, 6V, Green

Retail Part No.	Quantity per Program	Description
39-3565-12	2	LED Lamp, Dome Lens, 12V, Green
39-3565-28	2	LED Lamp, Dome Lens, 28V, Green
39-4301	3	Discrete LED, High Red
39-4302	3	Discrete LED, Red
39-4303	3	Discrete LED, Amber
39-4304	3	Discrete LED, Yellow
39-4305	3	Discrete LED, Green
39-4355	2	Infrared Emitting Diodes
39-4391	3	Discrete LED, High Red
39-4392	3	Discrete LED, Red
39-4393	3	Discrete LED, Amber
39-4394	3	Discrete LED, Yellow
39-4395	3	Discrete LED, Green
39-4612-05	2	LED Lamp, Chrome Bez., T-1, 5V, Red
39-4612-12	2	LED Lamp, Chrome Bez., T-1, 12V, Red
39-4614-05	2	LED Lamp, Chrome Bez., T-1, 5V, Yellow
39-4614-12	2	LED Lamp, Chrome Bez., T-1, 12V, Yellow
39-4615-05	2	LED Lamp, Chrome Bez., T-1, 5V, Green
39-4615-12	2	LED Lamp, Chrome Bez., T-1, 12V, Green
39-4622-05	2	LED Lamp, Black Bez., T-1, 5V, Red
39-4622-12	2	LED Lamp, Black Bez., T-1, 12V, Red
39-4624-05	2	LED Lamp, Black Bez., T-1, 5V, Yellow
39-4624-12	2	LED Lamp, Black Bez., T-1, 12V, Yellow
39-4625-05	2	LED Lamp, Black Bez., T-1, 5V, Green
39-4625-12	2	LED Lamp, Black Bez., T-1, 12V, Green
39-4632-05	2	LED Lamp, Chrome Dome Bez., T-1, 5V, Red
39-4632-12	2	LED Lamp, Chrome Dome Bez., T-1, 12V, Red
39-4634-05	2	LED Lamp, Chrome Dome Bez., T-1, 5V, Yellow
39-4634-12	2	LED Lamp, Chrome Dome Bez., T-1, 12V, Yellow
39-4635-05	2	LED Lamp, Chrome Dome Bez., T-1, 5V, Green
39-4635-12	2	LED Lamp, Chrome Dome Bez., T-1, 12V, Green
39-4642-05	2	LED Lamp, Black Dome Bez., T-1, 5V, Red
39-4642-12	2	LED Lamp, Black Dome Bez., T-1, 12V, Red
39-4644-05	2	LED Lamp, Black Dome Bez., T-1, 5V, Yellow
39-4644-12	2	LED Lamp, Black Dome Bez., T-1, 12V, Yellow
39-4645-05	2	LED Lamp, Black Dome Bez., T-1, 5V, Green
39-4645-12	2	LED Lamp, Black Dome Bez., T-1, 12V, Green
39-5612-05	2	LED Lamp, Chrome Bez., T-1.75, 5V, Red
39-5612-12	2	LED Lamp, Chrome Bez., T-1.75, 12V, Red
39-5614-05	2	LED Lamp, Chrome Bez., T-1.75, 5V, Yellow
39-5614-12	2	LED Lamp, Chrome Bez., T-1.75, 12V, Yellow
39-5615-05	2	LED Lamp, Chrome Bez., T-1.75, 5V, Green
39-5615-12	2	LED Lamp, Chrome Bez., T-1.75, 12V, Green
39-5622-05	2	LED Lamp, Black Bez., T-1.75, 5V, Red
39-5622-12	2	LED Lamp, Black Bez., T-1.75, 12V, Red
39-5624-05	2	LED Lamp, Black Bez., T-1.75, 5V, Yellow
39-5624-12	2	LED Lamp, Black Bez., T-1.75, 12V, Yellow
39-5625-05	2	LED Lamp, Black Bez., T-1.75, 5V, Green
39-5625-12	2	LED Lamp, Black Bez., T-1.75, 12V, Green
39-5632-05	2	LED Lamp, Chrome Dome Bez., T-1.75, 5V, Red
39-5632-12	2	LED Lamp, Chrome Dome Bez., T-1.75, 12V, Red
39-5634-05	2	LED Lamp, Chrome Dome Bez., T-1.75, 5V, Yellow
39-5634-12	2	LED Lamp, Chrome Dome Bez., T-1.75, 12V, Yellow
39-5635-05	2	LED Lamp, Chrome Dome Bez., T-1.75, 5V, Green
39-5635-12	2	LED Lamp, Chrome Dome Bez., T-1.75, 12V, Green
39-5642-05	2	LED Lamp, Black Dome Bez., T-1.75, 5V, Red
39-5642-12	2	LED Lamp, Black Dome Bez., T-1.75, 12V, Red
39-5644-05	2	LED Lamp, Black Dome Bez., T-1.75, 5V, Yellow
39-5644-12	2	LED Lamp, Black Dome Bez., T-1.75, 12V, Yellow
39-5645-05	2	LED Lamp, Black Dome Bez., T-1.75, 5V, Green
39-5645-12	2	LED Lamp, Black Dome Bez., T-1.75, 12V, Green
39-6161	2	Discrete Blinking LED, High Red
39-6162	2	Discrete Blinking LED, Red
39-6165	2	Discrete Blinking LED, Green
39-6182	2	Discrete Blinking LED, Super Red
39-6185	2	Discrete Blinking LED, Green

Panel Lamps

PANEL LAMP/LED PROGRAMS (Cont.)

- Panel Lamp Program 49-385
 - 149 Panel Lamp/LED Part Numbers
 - 4 Foot Program
 - Rectangular, Discrete, Flush Lens, High Lens, Bezeled, Dome and Jumbo LED Lamps
- Program Contents: (Continued)

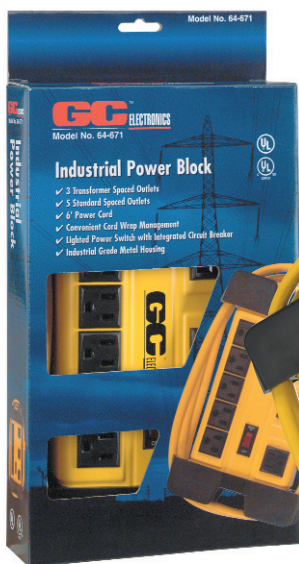
Retail Part No.	Quantity per Program	Description
39-6501	2	Discrete Blinking LED, High Red
39-6502	2	Discrete Blinking LED, Red
39-6511	2	Discrete Blinking LED, Super Red
39-6514	2	Discrete Blinking LED, Yellow
39-6515	2	Discrete Blinking LED, Green
39-7324	2	Bi-Polar LED, High Red/Yellow
39-7325	2	Bi-Polar LED, High Red/Green
39-7354	2	Bi-Polar LED, Green/Yellow
39-7524	2	Bi-Polar LED, High Red/Yellow
39-7525	2	Bi-Polar LED, High Red/Green
39-7554	2	Bi-Polar LED, Green/Yellow
39-9125	2	Bi-Polar LED, High Red/Green
39-9524	2	Bi-Polar LED, High Red/Yellow
39-9525	2	Bi-Polar LED, High Red/Green
39-9554	2	Bi-Polar LED, Green/Yellow
49-512-10R	155	Peg Hooks
49-385-3	1	Reorder Card
75-2055-R	1	4' Display Rack
75-3001-5R	4	Brackets
75-3001-6R	4	2 Sided Tape
GC-PK-7493	1	Packing List
GC-RM-7494	1	Roadmap
GC-HDR-7478	1	Rack Header
GC-HDR7-4781	1	Rack Header



SURGE PROTECTORS

Contents:

- Surge Power Center & Blocks p258
- Power Blocks p259
- Power Strips and Cords p259
- Surge Strips p260
- Surge Blocks and Strips p261
- Home Theatre Surges p262
- Notes p263
- Surge Program p264



SURGE POWER CENTER & BLOCKS

Electrical Ratings: 125V/15A/1875W
Response Time: ≤ 1 nanosecond
Line Protection: H-N, N-G, H-G
Max Surge Voltage: 6000V
EMI Filtering:

64-0811

100 KHz-50MHz, up to 58 dB

64-0813

100 KHz-100MHz, up to 52 dB



Fig. 1

USE FOR
COMPUTER



Fig. 2

USE FOR
HOME/OFFICE



Fig. 3

USE FOR
HOME/OFFICE



Fig. 4

USE FOR
SHOP/INDUSTRIAL

Retail Part No.	Figure Number	Number Of Outlets	Description	Color	D-DSS Coax Tele	Max Diss in Joules	Max Surge Voltage	Max Spike Current	Clamping Voltage	EMI/RF Filtering	Agency Listing
64-6651	1	5	Metal Power Center	Ivory	T-40 J	260 J	6000 V	4500 amps	330 V	Y	UL

Retail Part No.	Figure Number	Number Of Outlets	Description	Color	15 amp Breaker	D-DSS Coax Tele	Max Diss in Joules	Max Spike Current	Clamping Voltage	Line EMI/RFI Filtering	Protection (mov)	Agency Listing
64-811	3	1	Surge Block	Gray	N	None	270 J	4500 amps	330 V	N	H-N, N-G, H-G	UL
64-813	2	3	Surge Block w/ EMI/RFI Filter	Gray	N	None	171 J	9000 amps	340 V	Y	H-N, N-G, H-G	UL, CSA
64-671	4	8	Industrial Power Block	Yellow Black	Y	None	N/A	N/A	N/A	N/A	N/A	N/A

SURGE PROTECTORS



POWER BLOCKS



Fig. 1



Fig. 2



Fig. 3



Fig. 4

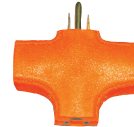


Fig. 5

Retail Part No.	Figure Number	Number Of Outlets	Description	Electrical Ratings	Color	Surge Protection
WD-0396	1	6	Adapter	125V/15A/1875W	White	N
WD-0796	1	6	Adapter	125V/15A/1875W	Ivory	N
WD-7402	2	6	Tight-Spot Wall Mt Block Tap	125V/15A/1875W	White	N
64-839	3	1	Adapter	125V/15A/1875W	Gray	N
64-840-WH	4	3	Adapter	125V/15A/1875W	White	N
64-840-OR	5	3	Adapter	125V/15A/1875W	Orange	N

POWER CORDS



Fig. 6



Fig. 7



Fig. 8

These power cords are a convenient way to connect equipment to power sources up to 25 feet away.

Retail Part No.	Figure Number	Number Of Outlets	Description	Electrical Ratings	Cord Specs	Color	Surge Protection
WD-5601	6	1	3 Cond Office Cord	125V/13A/1625W	25' - 16/3	Black	N
WD-5606	7	3	2 Cond Office Cord	125V/13A/1625W	10' - 16/2	Gray	N
WD-5607	8	3	3 Cond Office Cord	125V/13A/1625W	10' - 16/3	Gray	N

SURGE STRIPS

GC Electronics offers a variety of Surge Protection Power Strips to meet your needs.

Electrical Ratings: 125V/15A/1875W
 Response Time: ≤ 1 nano second



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Retail Part No.	Figure Number	Number Of Outlets	Description	Cord Specs	Color	15 amp Breaker	D-DSS Coax Tele	Max Joules
64-663	1	4	Surge Strip	3' - 14/3	Gray	Y	None	90 J
64-830	2	5	Surge EMI/RFI Strip	4' - 14/3	Ivory	Y	C - 46 J	200 J
64-661	3	6	Surge Strip	4' - 14/3	Gray	Y	None	150 J
64-6610	3	6	Surge Strip	10' - 14/3	Gray	Y	None	90 J
64-6615	3	6	Surge Strip	15' - 14/3	Gray	Y	None	90 J
64-668	3	6	Surge Strip	4' - 14/3	Gray	Y	None	270 J
64-631	4	6	Metal Surge Strip	4' - 14/3	Gray	Y	None	450 J
64-632	4	6	Metal Surge Strip	15' - 14/3	Gray	Y	None	450 J
64-804	5	6	Surge EMI/RFI Strip	4' - 14/3	Gray	Y	T - 72 J	540 J
64-667	6	6	Surge EMI/RFI Strip	4' - 14/3	Gray	N	None	540 J
64-669	7	6	PC Smart Surge	6' - 14/3	Gray	Y	T - 160 J	1100 J
64-670	8	10	Home Ent. System Surge	6' - 14/3	Gray	Y	D, C, T-160 J	1665 J

Retail Part No.	Figure Number	Max Surge Voltage	Max Spike Current	Clamping Voltage	Line Protection (mov)	EMI/RFI Filtering Specs	Agency Listing
64-663	1	6500 V	4500 A	330 V	H-N	n/a	UL, CSA
64-830	2	6500 V	4500 A	400 V	N-G, H-G	100 KHz-30 MHz/Up to 40 dB	UL, CSA
64-661	3	6500 V	4500 A	330 V	H-N	n/a	UL, CSA
64-6610	3	6500 V	4500 A	330 V	H-N	n/a	UL, CSA
64-6615	3	6500 V	4500 A	330 V	H-N	n/a	UL, CSA
64-668	3	6000 V	13,500 A	330 V	H-N, N-G, H-G	100 KHz-50 MHz/Up to 52 dB	UL, CUL
64-631	4	6000 V	13,500 A	330 V	H-N, N-G, H-G	100 KHz-50 MHz/Up to 40 dB	UL, CUL
64-632	4	6000 V	13,500 A	330 V	H-N, N-G, H-G	100 KHz-50 MHz/Up to 40 dB	UL, CUL
64-804	5	6000 V	4500 A	330 V	H-N, N-G, H-G	150 KHz-100 MHz/Up to 40 dB	UL
64-667	6	6000 V	13000 A	330 V	H-N, N-G, H-G	150 KHz-100 MHz/Up to 40 dB	UL, CUL
64-669	7	6000 V	26000 A	330 V	H-N, N-G, H-G	150 KHz-100 MHz/Up to 40 dB	UL, CUL
64-670	8	6000 V	39000 A	330 V	H-N, N-G, H-G	150 KHz-100 MHz/Up to 40 dB	UL, CUL

SURGE PROTECTORS



SURGE BLOCKS

Electrical Ratings: 125V/15A/1875W

Response Time: ≤ 1 nano second



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Retail Part No.	Figure Number	Number Of Outlets	Description	Color	D-DSS Coax Tele	Max Diss in Joules	Clamping Voltage	Line Protection	EMI/RFI Filtering	Equipment Guarantee	Surge Warranty
WD-6910	1	1	Home Elec Surge	Off White	None	810 J	330 V	L-N, L-G, N-G	Y	\$5000 Equip	One Year
WD-6510	2	1	Home Elec Surge Tap	Off White	None	300 J	330 V	L-N, N-G, L-G	Y	None	One Year
64-681	3	6	Home Surge	Off White	None	180 J	330 V	L-N, N-G, L-G	N	None	One Year
64-683	4	6	Home Surge w/Coax	Off White	C	180 J	330 V	L-N, N-G, L-G	N	None	One Year
64-682	5	6	Home Surge w/Phone	Off White	T	180 J	330 V	L-N, N-G, L-G	N	None	One Year

SURGE STRIPS

Electrical Ratings: 125V/15A/1875W
Circuit Protection: 15 amp Breaker
Line Protection: H-N, N-G, H-G

Clamping Voltage: 330V
Response Time: ≤ 1 nano second



Fig. 6



Fig. 7



Fig. 8

Retail Part No.	Figure Number	Number Of Outlets	Description	Cord Specs	Color	D-DSS Coax Tele	Max Diss in Joules	Clamping Voltage	Line Protection	EMI/RFI Filtering	Warranty
WD-5138	11	6	Metal Surge Strip	15' - 14/3	Yellow	None	1050 J	330 V	L-N, L-G, N-G	Y	Lifetime
WD-6941	13	7	Surge Strip with Phone Jack	6' - 14/3	Off White	T	1085 J	330 V	L-N, L-G, N-G	Y	\$30,000
WD-6939	14	7	Surge Strip	4' - 14/3	Off White	None	1085 J	330 V	L-N, L-G, N-G	Y	\$30,000

HOME THEATER SURGES

HOME THEATER SURGE PROTECTION

The Epitome line of surge protectors have you covered for all your protection needs. From the 200 Joule strip for small inexpensive devices to the 6900 Joule Home Theater strip that has almost triple the protection of the "Best brand". Besides having 3-line protection, Phone, Fax, Modem and Satellite protection and LED indicators, several new innovations have been added. Model **64-694** features 6900 Joules, full accessory protection, and full color-coding.

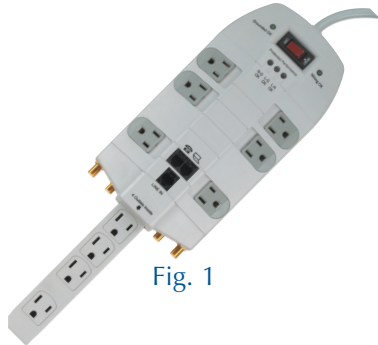


Fig. 1

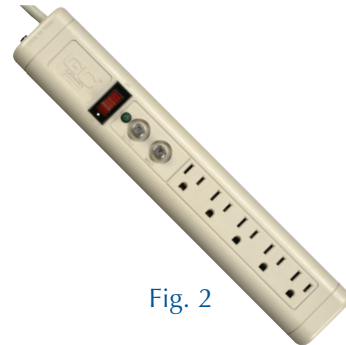


Fig. 2



Fig. 3

Surge

D-C-T* Surge Protection

Retail Part Number	Figure Number	Number Of Outlets	Description	Cord Specs	Color	15 amp Breaker	D-DSS Coax Tele*	Max Joules
64-670	1	10	Home Ent. System Surge	6' - 14/3	Gray	Y	D, C, T-160 J	1665 J
64-830	2	5	Surge EMI/RFI Strip	4' - 14/3	Ivory	Y	C-46 J	200 J

T-F-M-C-S-A* Surge Protection

Retail Part No.	Figure No.	Description	No. of Outlets	T-F-M* Protection	Coaxial* Protection	Maximum Joules
64-694	3	Home Entertainment Surge Protection with Color Coded Line Cord Labels	10	T, F, M	C, S, A	6900 J

*Key to Protection: D=Digital, C=Coaxial Cable, T=Telephone, F=Fax, M=Modem, S=Satellite, A=Antenna

SURGE PROTECTORS



UNINTERRUPTIBLE POWER SUPPLIES (UPS)



Fig. 1



Fig. 2



Fig. 3

Uninterruptible Power Supplies (UPS)

Retail Part Number	Figure Number	Number Of Outlets	Description	Cord Specs	Color	Voltage with Battery	Battery Time	Max Joules
64-330	1	6	330VA Multi-Device UPS	6' - 16/3	Ivory	115 V	7-15 minutes	240 J
64-460	2	6	460VA Multi-Device UPS	6' - 16/3	Ivory	115 V	18-24 minutes	240 J
64-501	3	8	500VA Multi-Device UPS	6' - 16/3	Ivory	115 V	3-15 minutes	240 J

Surge

SURGE PROGRAM

- Surge Suppressor Program 49-569-A
- 17 Video Part Numbers
- 4 Foot Program
- Surge and power blocks, suppressors

Program Contents:

Retail Part Number	Quantity Per Program	Description
64-631	4	6 Outlet Surge Strip (270 Joules)
64-661	6	6 Outlet Surge Strip (90 Joules)
64-663	2	4 Outlet Surge Strip (90 Joules)
64-667	2	6 Outlet Surge Strip (420 Joules)
64-668	2	6 Outlet Surge Strip (270 Joules)
64-669	2	6 Outlet Surge Block (1100 Joules PC)
64-670	2	10 Outlet Surge Block (1665 Joules)
64-671	4	8 Outlet Power Block, 15A 125V
64-843	4	6 Outlet Swivel (1960 Joules)
64-804	3	6 Outlet Surge Strip with Fax/Modem Protection (357 Joules)
64-811	6	Single Outlet (270 Joules)
64-813	4	3 Outlet Surge (171 Joules)
64-830	3	6 Outlet Surge Strip with Coax Protection (200 Joules)
64-6610	3	6 Outlet Surge Strip, 10' Cord
64-6615	3	6 Outlet Surge Strip, 15' Cord
64-6651	2	5 Outlet Power Center (260 Joules)
49-449-10R	30	4" Hooks
49-569-A3	1	Reorder Card Set
75-2055-R	1	4' Display Rack
75-3001-5R	4	Brackets
75-3001-6R	4	2 Sided Tape
GC-HDR-7858	1	4' Header
GC-PKRM-7831	1	Packing List/Road Map



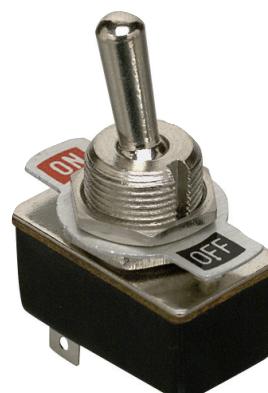
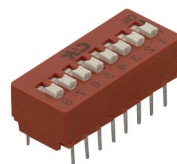
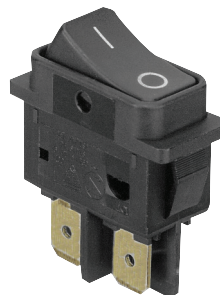
Display Rack Part No. 49-569-A



SWITCHES

Contents:

- **Sub-Mini & Miniature Toggles** p266-271
- **Medium Duty Toggles** p270-275
- **Heavy Duty Toggles** p276-277
- **Lighted Toggles** p278-279
- **Lighted Rockers** p278-279
- **Lighted Miniature Rockers** p280-281
- **Miniature Rockers** p280-281
- **Standard Appliance Rockers** p282-283
- **Lighted Appliance Rockers** p284-285
- **Automotive/Marine Rockers** p286-287
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- **Sub-miniature Pushbuttons** p288-289
- **Miniature Pushbuttons** p288-291
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- **Sub-Miniature Snap Action** p294-295
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- **Keylock Switches** p298-299
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- **Switch Accessories** p302-303
- **Bulk Switch Programs** p304-307
- **Switch Programs** p308-319
- **Notes** p320



SUB-MINI & MINIATURE TOGGLES



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Sub-Miniature Toggles

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	125VAC/28VDC	AMPS 250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-000	35-000-BU	1	On Off	SPST	3A	1.5	Bat	BCP	0.220	0.195	Solder	2 N, LR, LW	267-A
35-001	35-001-BU	2	On On	SPDT	3A	1.5	Bat	BCP	0.220	0.195	Solder	2 N, LR, LW	267-A
35-002	35-002-BU	3	On On	DPDT	3A	1.5	Bat	BCP	0.220	0.195	Solder	2 N, LR, LW	267-A

Miniature Toggles

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	125VAC/28VDC	AMPS 250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-003	35-003-BU	2	On (On)	SPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-B
35-004	35-004-BU	2	On On	SPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-B
35-005	35-005-BU	2	On Off On	SPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-B
35-006	35-006-BU	4	On Off	SPST	5	2	Bat with Boot	BCP	0.350	0.250	Solder	2 N, LR, LW	267-B
35-007	35-007-BU	2	On Off (On)	SPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-B
35-008	35-008-BU	2	(On) Off (On)	SPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-B
35-009	35-009-BU	5	On On On	DPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-C
35-010	35-010-BU	6	On On On	DPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-E
35-012	35-012-BU	6	On Off On	DPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-E
35-014	35-014-BU	6	On (On)	DPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-E
35-016	35-016-BU	6	On Off (On)	DPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-E
35-018	35-018-BU	6	(On) Off (On)	DPDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-E
35-024	35-024-BU	7	On On	3PDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-D
35-026	35-026-BU	7	On Off On	3PDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-D
35-036	35-036-BU	8	On On On	4PDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-E
35-038	35-038-BU	8	On Off On	4PDT	5	2	Bat	BCP	0.350	0.250	Solder	2 N, LR, LW	267-E
Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-053	35-053-BU	9	On On	SPDT	5	2	Flat Lever	Metal	0.364	0.250	PCB	2 N, LR, LW	267-F
35-055	35-055-BU	9	On Off On	SPDT	5	2	Flat Lever	Metal	0.364	0.250	PCB	2 N, LR, LW	267-F
35-057	35-057-BU	10	On On	DPDT	5	2	Flat Lever	Metal	0.364	0.250	PCB	2 N, LR, LW	267-F
35-059	35-059-BU	10	On Off On	DPDT	5	2	Flat Lever	Metal	0.364	0.250	PCB	2 N, LR, LW	267-F
35-070	35-070-BU	11	On On	SPDT	6	3	Paddle	Polyamide	0.452	0.500	Solder/QC	N, KN	267-G
35-071	35-071-BU	11	On Off On	SPDT	6	3	Paddle	Polyamide	0.452	0.500	Solder/QC	N, KN	267-G
35-072	35-072-BU	12	On On	DPDT	6	3	Paddle	Polyamide	0.452	0.500	Solder/QC	N, KN	267-G
35-073	35-073-BU	12	On Off On	DPDT	6	3	Paddle	Polyamide	0.452	0.500	Solder/QC	N, KN	267-G

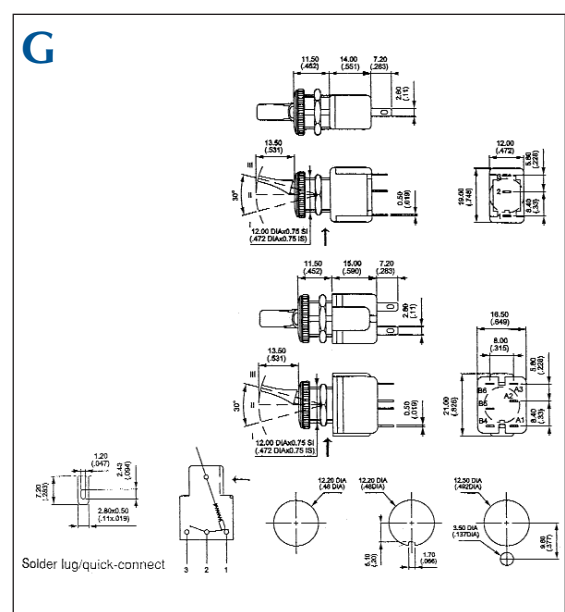
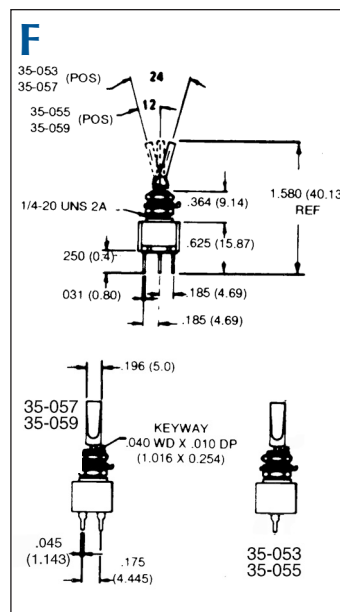
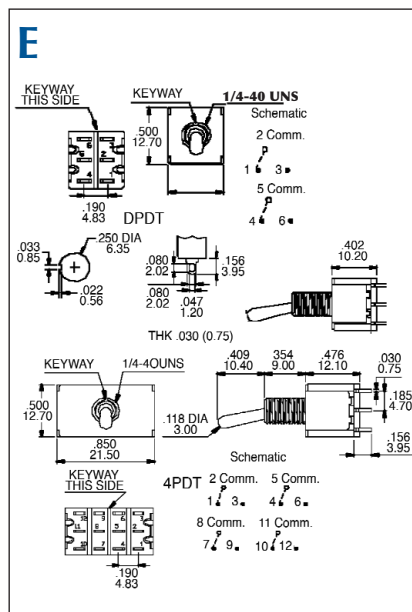
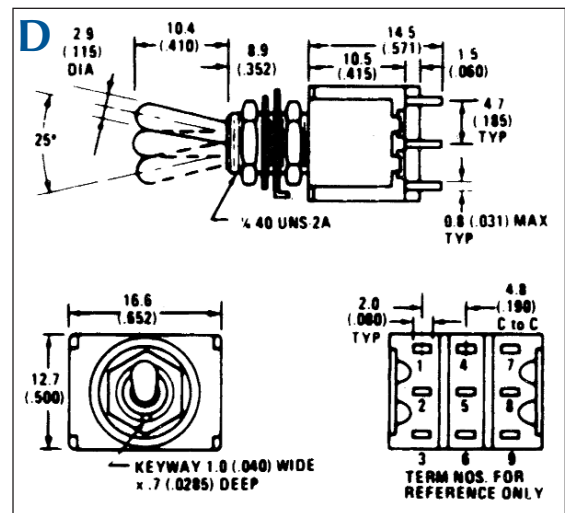
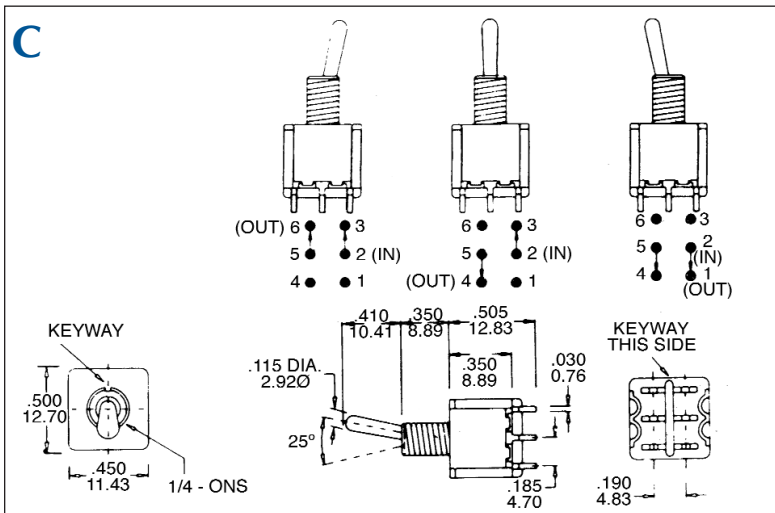
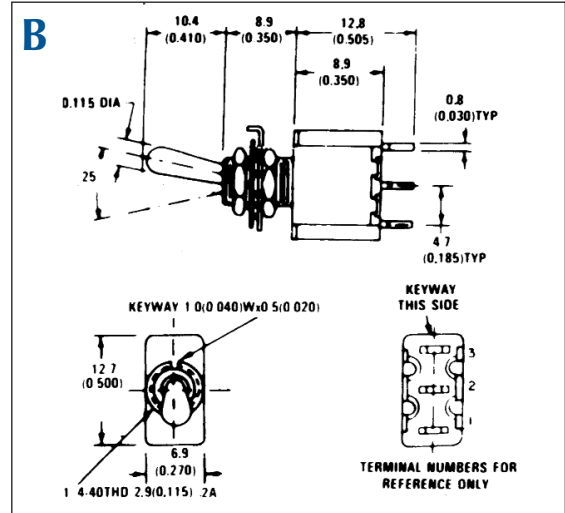
Notes: (On)=Momentary On
BCP=Brass Chrome Plate

KN=Knurled Nut
LR=Lock Ring

LW= Lock Washer
N=Nut(s)

PCB=Printed Circuit Board
QC=Quick Connect

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

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MINIATURE TOGGLES (Cont.)

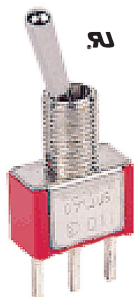


Fig. 1



Fig. 2

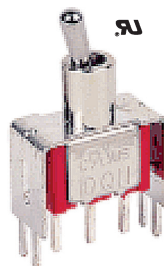


Fig. 3

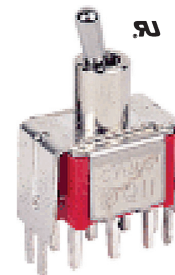


Fig. 4

Miniature Toggles with Printed Circuit Board Terminals

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	125VAC/28VDC	AMPS 250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-087	35-087-BU	1	On On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-A
35-069	35-069-BU	1	On (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-A
35-074	35-074-BU	1	On Off On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-A
35-075	35-075-BU	1	On Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-A
35-077	35-077-BU	1	(On) Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-A
35-079	35-079-BU	2	On On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-B
35-081	35-081-BU	2	On (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-B
35-082	35-082-BU	2	On Off On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-B
35-083	35-083-BU	2	On Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-B
35-085		2	(On) Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB	2 N, LR, LW	269-B

Miniature Toggles with Printed Circuit Board with Integral Bracket Terminals

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	125VAC/28VDC	AMPS 250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Spec. Drawing Page No.
35-088	35-088-BU	3	On On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-C
35-089	35-089-BU	3	On (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-C
35-091	35-091-BU	3	On Off On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-C
35-093	35-093-BU	3	On Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-C
35-095	35-095-BU	3	(On) Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-C
35-096	35-096-BU	4	On On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-D
35-097	35-097-BU	4	On (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-D
35-098	35-098-BU	4	On Off On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-D
35-099	35-099-BU	4	On Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-D
35-101	35-101-BU	4	(On) Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB†	269-D

Notes: (On)=Momentary On
BCP=Brass Chrome Plate

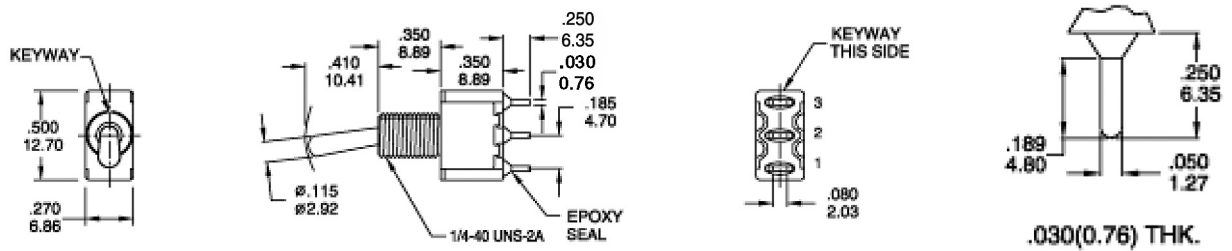
LW= Lock Washer
N=Nut(s)

LR=Lock Ring
PCB=Printed Circuit Board
PCB†=Printed Circuit Board with Integral Bracket

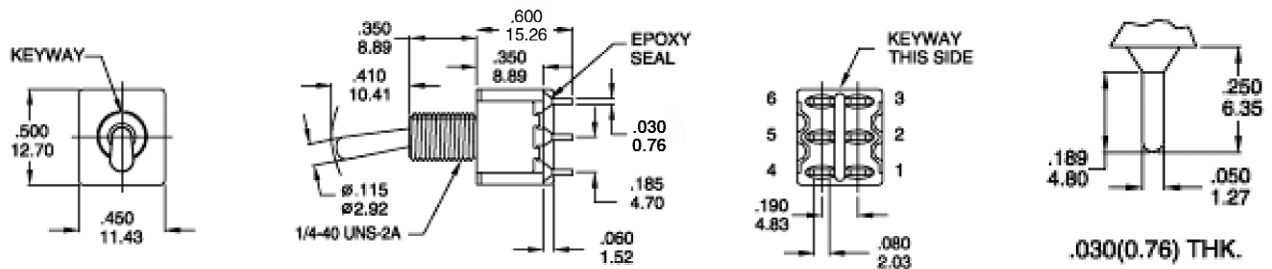
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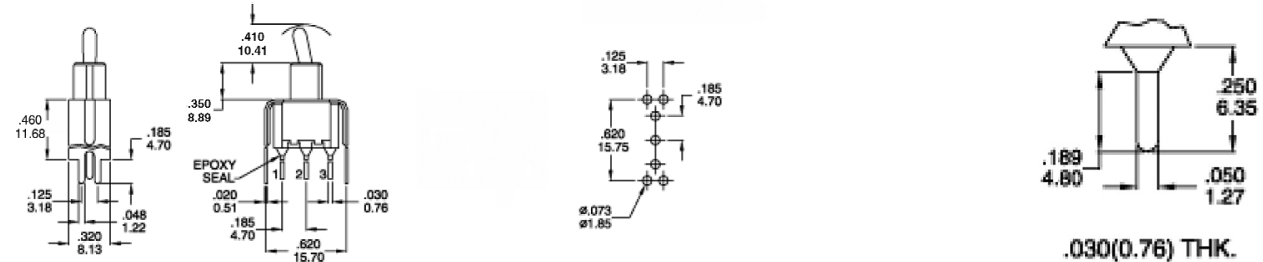
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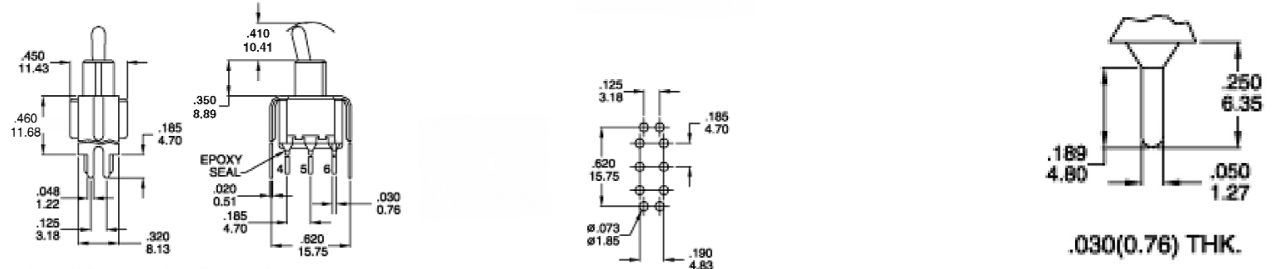
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C



D



MINIATURE TOGGLES (Cont.)



Fig. 1



Fig. 2

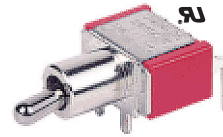


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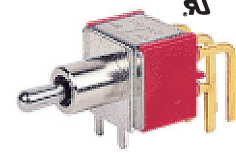


Fig. 4

Miniature Toggles with Printed Circuit Board Right Angle Vertical Mount Terminals

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	125VAC/28VDC	AMPS 250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Spec. Drawing Page No.
35-102	35-102-BU	1	On On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-A
35-103	35-103-BU	1	On (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-A
35-104	35-104-BU	1	On Off On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-A
35-105	35-105-BU	1	On Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-A
35-106	35-106-BU	1	(On) Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-A
35-107	35-107-BU	2	On On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-B
35-108	35-108-BU	2	On (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-B
35-109	35-109-BU	2	On Off On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-B
35-111	35-111-BU	2	On Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-B
35-113	35-113-BU	2	(On) Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB++	271-B

Miniature Toggles with Printed Circuit Board Right Angle Horizontal Mount Terminals

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	125VAC/28VDC	AMPS 250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Spec. Drawing Page No.
35-115	35-115-BU	3	On On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-C
35-121	35-121-BU	3	On (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-C
35-122	35-122-BU	3	On Off On	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-C
35-123	35-123-BU	3	On Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-C
35-125	35-125-BU	3	(On) Off (On)	SPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-C
35-127	35-127-BU	4	On On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-D
35-129	35-129-BU	4	On (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-D
35-131	35-131-BU	4	On Off On	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-D
35-133	35-133-BU	4	On Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-D
35-135	35-135-BU	4	(On) Off (On)	DPDT	5	2	Bat	BCP	0.350"	0.250"	PCB+++	271-D

Notes: (On)=Momentary On
BCP=Brass Chrome Plate

KN=Knurled Nut
LR=Lock Ring

LW= Lock Washer
N=Nut(s)

PCB=Printed Circuit Board
PCB+=Printed Circuit Board with Integral Bracket
QC=Quick Connect
PCB++=Printed Circuit Board Right Angle Vertical Mount
PCB+++=Printed Circuit Board Right Angle Horizontal Mount



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	AMPS 12VDC	HP 125-250VAC	Actuator Style	Color	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-090	35-090-BU	5	On Off	SPST			16		Paddle*	Red	0.342	0.500	QC .250"	N, LN	271-E
35-092	35-092-BU	5	On Off	SPST			16		Paddle*	Green	0.342	0.500	QC .250"	N, LN	271-E
35-094	35-094-BU	5	On Off	SPST			16		Paddle*	Amber	0.342	0.500	QC .250"	N, LN	271-E
35-3008	35-3008-BU	6	On Off	SPST	15	10		3/4	Paddle	Black		0.550 x 1.125	QC .250"	N, LN	271-F
35-3091	35-3091-BU	7	On Off	SPST	15	10		3/4	Paddle**	Amber		0.550 x 1.125	QC .250"	N, LN	271-F
35-3092	35-3092-BU	7	On Off	SPST	15	10		3/4	Paddle**	Red		0.550 x 1.125	QC .250"	N, LN	271-F
35-3140	35-3140-BU	8	On Off	SPST	15	10		3/4	Paddle*	Red/Green	0.379	0.500	QC .250"	N, FN	271-G

Notes: *Lighted Paddles (12V Incandescent)

**Lighted Base (125 V Neon)

FN=Face Nut

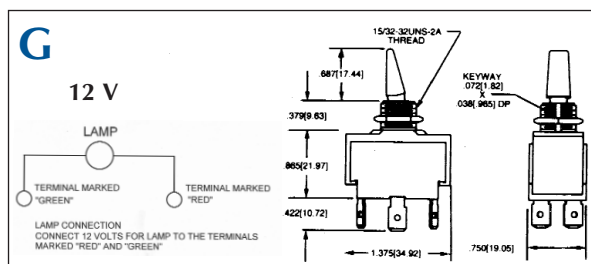
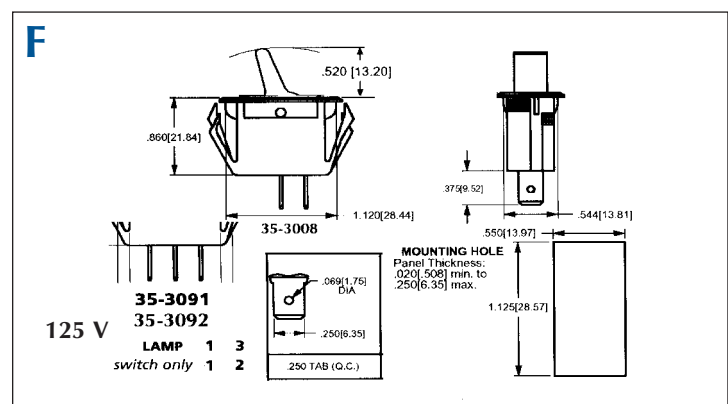
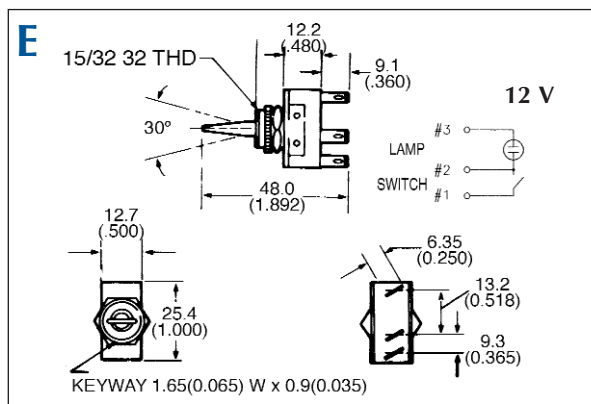
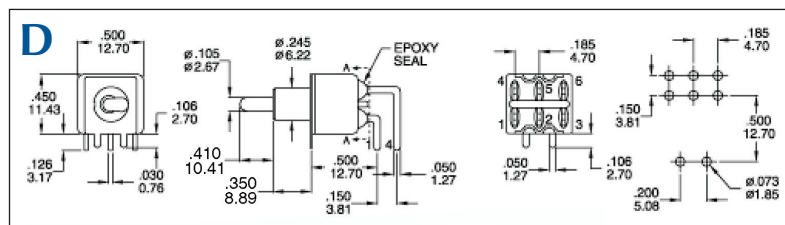
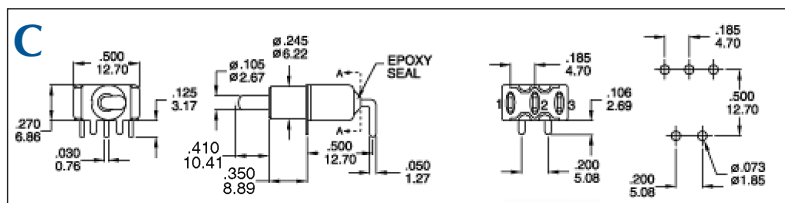
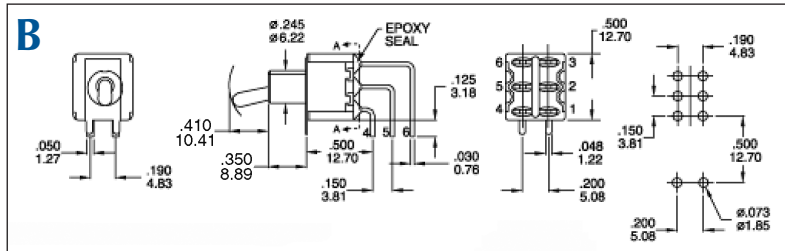
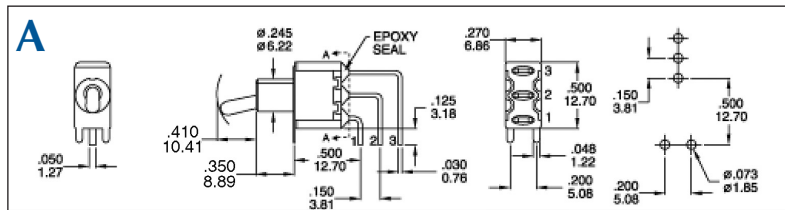
HP=Horse Power

LN=Locking Nut

N=Nut

QC=Quick Connect

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.



MEDIUM DUTY TOGGLES (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

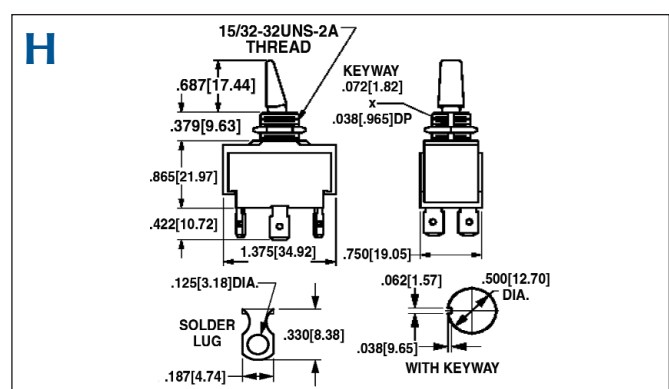
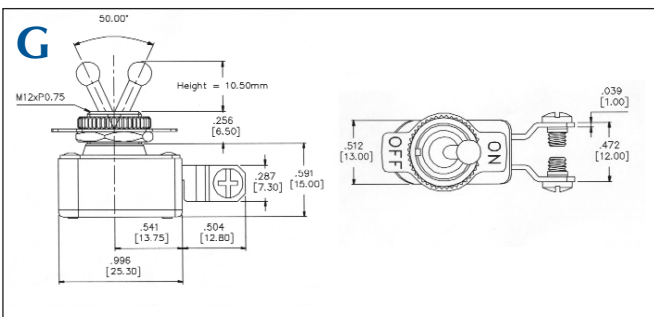
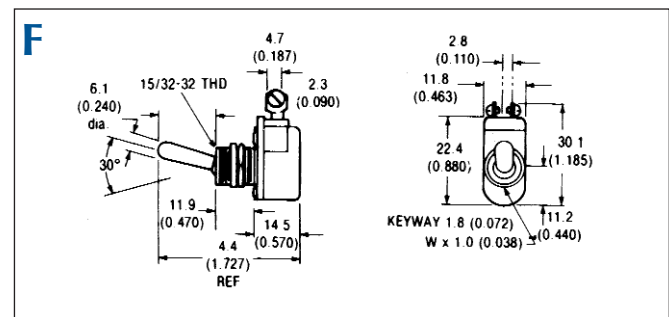
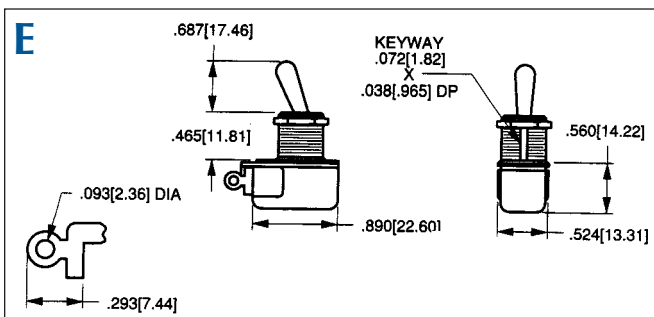
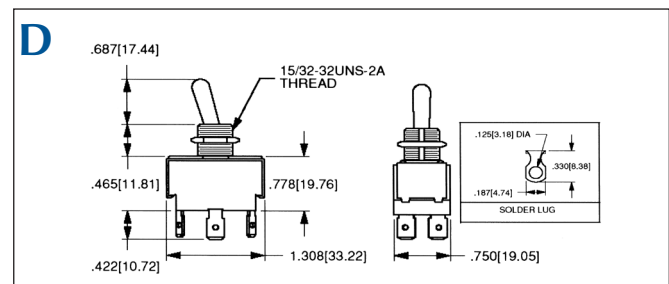
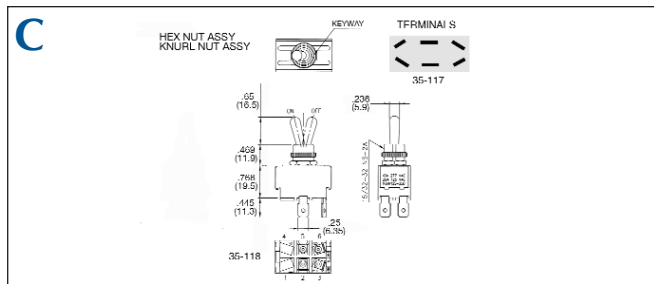
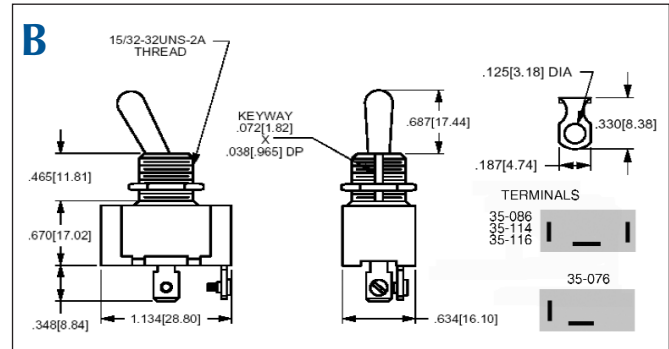
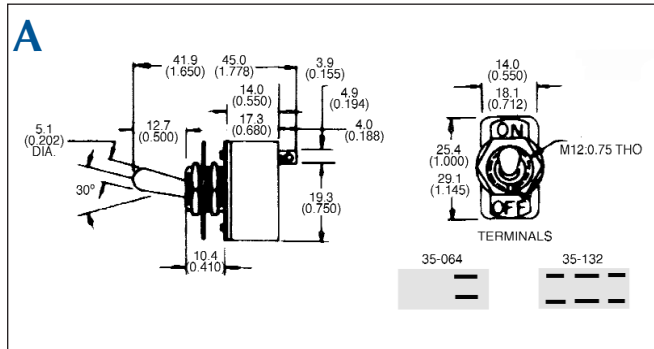
Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125VAC	Amps 250VAC	HP 125-250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-132	35-132-BU	1	On On	DPDT	3			Bat	Metal	0.418	0.500	Solder	2 N, ID	273-A
35-064	35-064-BU	2	On Off	SPST	4	2		Bat	Metal	0.418	0.500	Solder	2 N, ID	273-A
35-076	35-076-BU	3	Off (On)	SPST	6	3	1/4	Bat	Metal	0.465	0.500	Solder	N, KN	273-B
35-086	35-086-BU	3	On Off (On)	SPDT	6	3	1/4	Bat	Metal	0.465	0.500	Solder	N, KN	273-B
35-114	35-114-BU	3	On On	SPDT	6	3	1/4	Bat	Metal	0.465	0.500	Solder	N, KN	273-B
35-116	35-116-BU	3	On (On)	SPDT	6	3	1/4	Bat	Metal	0.465	0.500	Solder	N, KN	273-B
35-117	35-117-BU	4	On On	DPDT	6	3	1/4	Bat	Metal	0.468	0.500	QC .250"	N, KN	273-C
35-118	35-118-BU	4	On Off	DPST	6	3		Bat	Metal	0.468	0.500	QC .250"	N, KN	273-C
35-154	35-154-BU	5	On (On)	DPDT	6	3	1/4	Bat	Metal	0.465	0.500	Solder	N, KN	273-D
35-160	35-160-BU	6	On Off	SPST	6	3		Bat	Metal	0.465	0.500	Solder	N, KN	273-E
35-167	35-167-BU	7	On Off	SPST	6	3		Bat	Metal	0.470	0.500	Screw	N, KN, Sc	273-F
35-171	35-171-BU	8	On Off	SPST	6	3		Ball	Metal	0.276	0.500	Screw	N, KN, Sc, ID	273-G
35-186	35-186-BU	9	On On	DPDT	6	3	3/4	Paddle	Black Plastic	0.379	0.500	Solder	N, KN	273-H
35-188	35-188-BU	9	On Off On	DPDT	6	3	3/4	Paddle	Black Plastic	0.379	0.500	Solder	N, KN	273-H

Notes: (On)=Momentary On
 *Rated 20A @ 125-277VAC
 HP=Horse Power
 ID=ID Plate
 KN=Knurled Nut

NN=Nickel Nut
 N=Nut(s)
 QC=Quick Connect
 WL=Wire Lead
 Sc=Screw

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

MEDIUM DUTY TOGGLES (Cont.)



MEDIUM DUTY TOGGLES (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

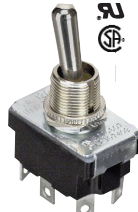


Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125VAC	Amps 250VAC	HP 125-250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-854	35-854-BU	1	On Off	SPST	6	3		Bat	Black Plastic	0.342	0.500	WL	KN, ID	275-A
35-1076	35-1076-BU	2	Off (On)	SPST	6	3	1/4	Bat	Metal	0.465	0.500	Screw	N, KN, FN, Sc	275-B
35-1114	35-1114-BU	2	On On	SPDT	6	3	1/4	Bat	Metal	0.465	0.500	Screw	N, KN, FN, Sc	275-B
35-1116	35-1116-BU	2	On (On)	SPDT	6	3	1/4	Bat	Brass	0.465	0.500	Screw	N, KN, FN, Sc	275-B
35-3035	35-3035-BU	3	On Off	SPST	6	3		Bat	Brass	0.325	0.500	Screw	2 N	275-C
35-119	35-119-BU	4	On Off	SPST	10	5	1/2	Bat	Metal	0.500	0.500	QC .250"	N, KN	275-D
35-120	35-120-BU	4	On On	SPDT	10	5	1/2	Bat	Metal	0.500	0.500	QC .250"	N, KN	275-D
35-180	35-180-BU	5	On Off	SPST	10	5	1/2	Paddle	Black Plastic	0.280	0.500	QC .250"/Sd	FN, NN	275-E
35-182	35-182-BU	5	On On	SPDT	10	5	1/2	Paddle	Black Plastic	0.280	0.500	QC .250"/Sd	FN, NN	275-E
35-184	35-184-BU	5	On Off	On SPDT	10	5	1/2	Paddle	Black Plastic	0.280	0.500	QC .250"/Sd	FN, NN	275-E
35-3050	35-3050-BU	6	On Off	SPST	10	4	1/3	Bat	Brass	0.325	0.500	WL	2 N	275-F
35-112	35-112-BU	7	On Off	DPST	15	10		Bat	Metal	0.468	0.500	Solder	N, KN	275-G
35-152	35-152-BU	7	On On	DPDT	15	10		Bat	Metal	0.468	0.500	Solder	N, KN	275-G
35-3127	35-3127-BU	11	(On) Off (On)†	DPDT	15	10	1/2	Bat	Metal	0.465	0.500	QC .250"	FN, N	275-H
35-3153	35-3153-BU	8	(On) Off (On)	SPDT	15	10	3/4	Paddle	Black Nylon	0.379	0.500	QC .250"	FN, NN	275-I
35-3169	35-3169-BU	9	(On) Off (On)	SPDT	15	10	3/4	Paddle	Black Nylon	0.379	0.500	Screw	FN, NN, Sc	275-J
35-178	35-178-BU	10	On Off	SPST	20	20	**	Paddle	Black Plastic	0.342	0.500	QC .250"/Sd	N, BFN	275-K
35-3009	35-3009-BU	5	On Off	SPST	20	10	1-1/2	Paddle	Black Nylon	0.280	0.500	QC .250"/Sd	KN	275-E
35-3150	35-3150-BU	8	On Off	On SPDT	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	QC .250"	FN, NN	275-I
35-3154	35-3154-BU	8	On Off	DPST	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	QC .250"	FN, NN	275-I
35-3156	35-3156-BU	8	On On	DPDT	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	QC .250"	FN, NN	275-I
35-3158	35-3158-BU	8	On Off	On DPDT	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	QC .250"	FN, NN	275-I
35-3160	35-3160-BU	9	On Off	SPST	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	Screw	FN, NN, Sc	275-J
35-3162	35-3162-BU	9	On On	SPDT	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	Screw	FN, NN, Sc	275-J
35-3164	35-3164-BU	9	On Off	DPST	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	Screw	FN, NN, Sc	275-J
35-3166	35-3166-BU	9	On On	DPDT	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	Screw	FN, NN, Sc	275-J
35-3168	35-3168-BU	9	On Off	On DPDT	20*		1-1/2	Paddle	Black Nylon	0.379	0.500	Screw	FN, NN, Sc	275-J

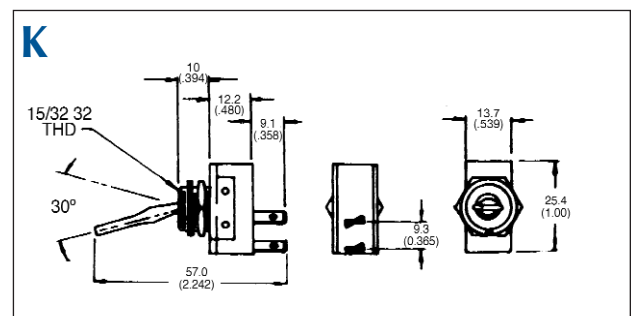
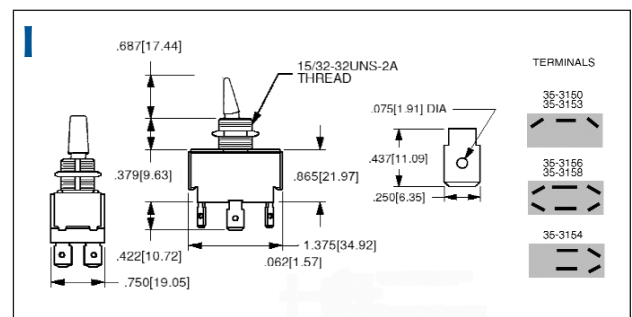
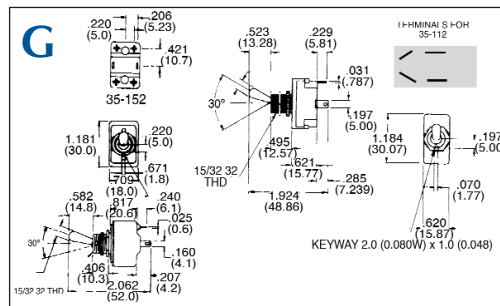
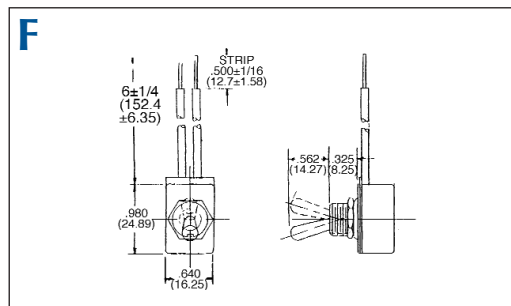
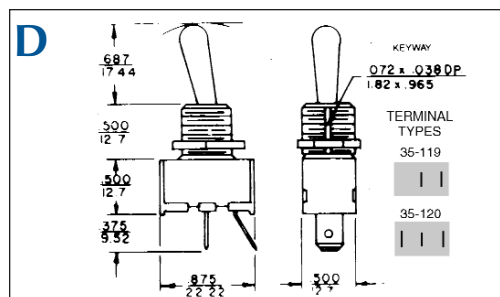
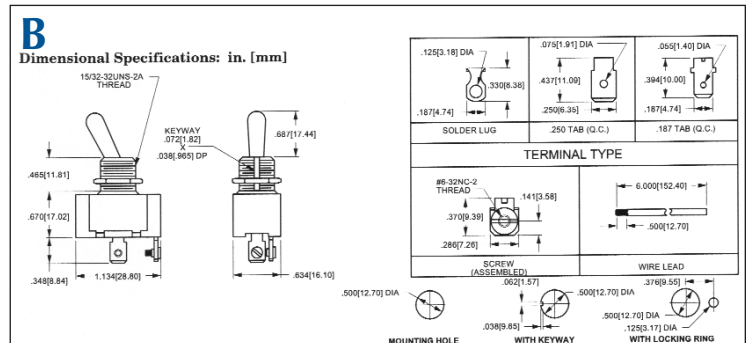
Notes: (On)=Momentary On
 *Rated 20A @ 125-277VAC
 BFN=Brass Face Nut
 FN=Face Nut
 HP=Horse Power
 ID=ID Plate
 KN=Knurled Nut

NN=Nickel Nut
 N=Nut(s)
 QC=Quick Connect
 Sc=Screw
 Sd=Solder
 WL=Wire Lead
 †=Reversing Toggle
 **=1/2 HP@125V, 1 HP@250V

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

CCTM ELECTRONICS

Switches



HEAVY DUTY TOGGLES



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

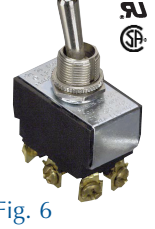


Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	HP 125-250VAC	Actuator Style	Actuator Material	Bushing Length	Mounting Hole	Terminal Type	Hardware	Spec. Drawing Page No.
35-078	35-078-BU	1	On Off	SPST	15	10	3/4	Bat	Metal	0.465	0.500	Solder	N, KN	277-A
35-143	35-143-BU	2	On Off On	4PDT	15	10	3/4	Bat	Metal	0.465	0.500	Screw	N, FN, Sc	277-B
35-145	35-145-BU	2	On Off	4PST	15	10	3/4	Bat	Metal	0.465	0.500	Screw	N, FN, Sc	277-B
35-3080	35-3080-BU	2	On On	4PDT	15	10	3/4	Bat	Metal	0.465	0.500	Screw	N, FN, Sc	277-B
35-3135	35-3135-BU	3	** 1On Off	†	15	10	1/2	Bat	Brass	0.468	0.500	Screw	N, FN, Sc	277-C
35-126	35-126-BU	4	On Off	DPST	16	8	1	Bat	Metal	0.465	0.500	Screw	N, FN	277-D
35-3070	35-3070-BU	4	On Off	SPST	16	8	1-1/2	Bat	Metal	0.465	0.500	Screw	N, Sc	277-E
35-139	35-139-BU	5	On Off	3PST	17	12	1-1/2	Bat	Metal	0.465	0.500	Screw	N, FN, Sc	277-F
35-140	35-140-BU	5	On Off On	3PDT	17	12	1-1/2	Bat	Metal	0.465	0.500	Screw	N, FN, Sc	277-F
35-141	35-141-BU	5	On On	3PDT	17	12	1-1/2	Bat	Metal	0.465	0.500	Screw	N, FN, Sc	277-F
35-080	35-080-BU	6	On Off	SPST	20	10*	3/4	Bat	Metal	0.470	0.500	Screw	N, KN, Sc, ID	277-G
35-110	35-110-BU	6	On Off On	SPDT	20	10*	3/4	Bat	Metal	0.470	0.500	Screw	N, KN, Sc	277-H
35-130	35-130-BU	6	On On	SPDT	20	10*	3/4	Bat	Metal	0.470	0.500	Screw	N, KN, Sc	277-H
35-144	35-144-BU	7	On On	DPDT	20	10*	1-1/2	Bat	Metal	0.465	0.500	Solder	N, KN	277-I
35-146	35-146-BU	6	On On	DPDT	20	10*	1-1/2	Bat	Metal	0.470	0.500	Screw	N, KN, Sc	277-I
35-148	35-148-BU	6	On Off On	DPDT	20	10*	1-1/2	Bat	Metal	0.470	0.500	Screw	N, KN, Sc	277-I
35-149	35-149-BU	7	On Off On	DPDT	20	10	3/4	Bat	Metal	0.465	0.500	Solder	N, KN	277-I
35-150	35-150-BU	6	(On) Off (On)	DPDT	20	10*	1-1/2	Bat	Metal	0.470	0.500	Screw	N, KN, Sc	277-I
35-151	35-151-BU	6	On Off (On)	DPDT	20	10*	1-1/2	Bat	Metal	0.470	0.500	Screw	N, KN, Sc	277-I
35-153	35-153-BU	8	On Off (On)	SPDT	20	10*	3/4	Bat	Metal	0.470	0.500	Screw	N, KN, Sc	277-H
35-155	35-155-BU	8	(On) Off (On)	SPDT	20	10*	3/4	Bat	Brass	0.325	0.500	Screw	N, KN, Sc	277-H
35-185	35-185-BU	3	On Off	DPST	20	10*	1-1/2	Bat	Metal	0.465	0.500	QC .250"	N, KN	277-J
35-3005	35-3005-BU	9	On Off	SPST	20	10	3/4	Bat	Brass	0.325	0.500	QC .250"	N, KN	277-K
35-3010	35-3010-BU	9	On On	SPDT	20	10	3/4	Bat	Brass	0.325	0.500	QC .250"	N, KN	277-K
35-3015	35-3015-BU	9	On Off On	SPDT	20	10	3/4	Bat	Brass	0.325	0.500	QC .250"	N, KN	277-K
35-3020	35-3020-BU	7	On On	DPDT	20	10*	1-1/2	Bat	Brass	0.468	0.500	QC .250"	N, KN	277-L
35-3025	35-3025-BU	7	On Off On	DPDT	20	10*	1-1/2	Bat	Brass	0.468	0.500	QC .250"	N, KN	277-L
35-3045	35-3045-BU	10	On Off	DPST	20	10	3/4	Bat	Brass	0.468	0.500	QC .250"	N, KN	277-M
35-3055	35-3055-BU	9	Off (On)	SPST	20	10	3/4	Bat	Brass	0.468	0.500	QC .250"	N, KN	277-K
35-3056	35-3056-BU	9	On Off	SPST	20	10	3/4	Bat	Brass	0.325	0.500	Solder	N, KN	277-K
35-3060	35-3060-BU	3	On Off	DPST	20	10*	1-1/2	Bat	Brass	0.468	0.500	Screw	N, KN, Sc	277-N
35-3075	35-3075-BU	11	On Off	DPST	20	10	1-1/2	Bat	Brass	0.465	0.500	Screw	N, Sc	277-E
35-3170	35-3170-BU	12	On Off	SPST	***	***	1/2	Bat	Brass	0.500	0.438	Screw	KN, Sc	277-O

Notes: (On)/(Off)=Momentary On/Off

*Rated @ 277VAC

**1&2 On

***Rated 35A @ 6VDC/20A @ 12VDC

FN=Face Nut

†=Progressive Two Circuit

ID=ID Plate

KN=Knurled Nut

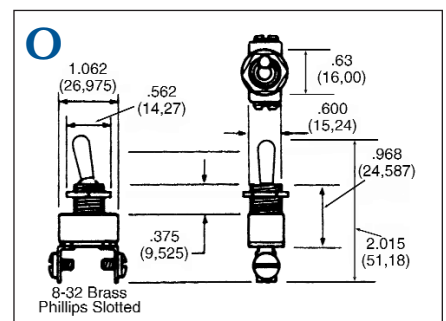
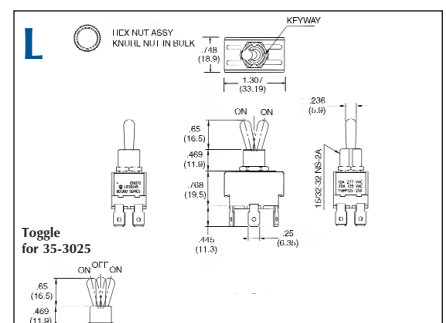
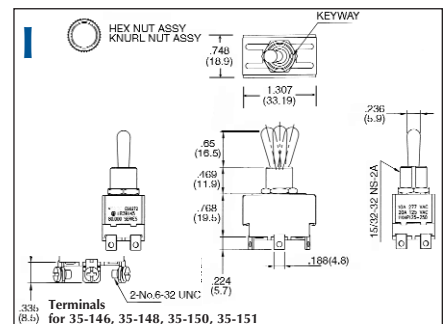
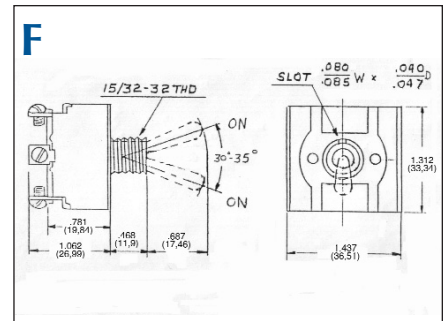
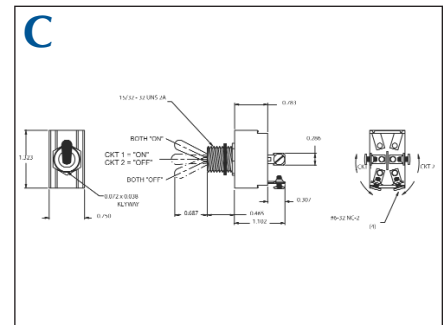
N=Nut

QC=Quick Connect

Sc=Screw

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

Switches



LIGHTED TOGGLES



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 12 VDC	Actuator Style	Lamp Color	Terminal Type	Bushing Length	Mounting Hole	Hardware	Spec. Drawing Page/Part No.
35-3300	35-3300-BU	1	On Off	SPST	20	LED Tip	Lighted Red LED	QC .250"	0.400"	0.500"	KN	279-A
35-3301	35-3301-BU	1	On Off	SPST	20	LED Tip	Lighted Green LED	QC .250"	0.400"	0.500"	KN	279-A
35-3302	35-3302-BU	1	On Off	SPST	20	LED Tip	Lighted Amber LED	QC .250"	0.400"	0.500"	KN	279-A
35-3303	35-3303-BU	1	On Off	SPST	20	LED Tip	Lighted Blue LED	QC .250"	0.400"	0.500"	KN	279-A
35-3310	35-3310-BU	2	On Off	SPST	20	LED Duckbill	Lighted Red LED	QC .250"	0.400"	0.500"	KN	279-B
35-3311	35-3311-BU	2	On Off	SPST	20	LED Duckbill	Lighted Green LED	QC .250"	0.400"	0.500"	KN	279-B
35-3312	35-3312-BU	2	On Off	SPST	20	LED Duckbill	Lighted Amber LED	QC .250"	0.400"	0.500"	KN	279-B
35-3313	35-3313-BU	2	On Off	SPST	20	LED Duckbill	Lighted Blue LED	QC .250"	0.400"	0.500"	KN	279-B
35-3320	35-3320-BU	3	On Off	SPST	20	LED Paddle	Lighted Red LED	QC .250"	N/A	0.944"	N/A	279-C
35-3321	35-3321-BU	3	On Off	SPST	20	LED Paddle	Lighted Green LED	QC .250"	N/A	0.944"	N/A	279-C
35-3322	35-3322-BU	3	On Off	SPST	20	LED Paddle	Lighted Amber LED	QC .250"	N/A	0.944"	N/A	279-C
35-3323	35-3323-BU	3	On Off	SPST	20	LED Paddle	Lighted Blue LED	QC .250"	N/A	0.944"	N/A	279-C
35-3330	35-3330-BU	4	On Off	SPST	20	LED Tip	Lighted Red LED	QC.187"/Solder	N/A	0.866"	N/A	279-D
35-3331	35-3331-BU	4	On Off	SPST	20	LED Tip	Lighted Green LED	QC.187"/Solder	N/A	0.866"	N/A	279-D
35-3332	35-3332-BU	4	On Off	SPST	20	LED Tip	Lighted Amber LED	QC.187"/Solder	N/A	0.866"	N/A	279-D
35-3333	35-3333-BU	4	On Off	SPST	20	LED Tip	Lighted Blue LED	QC.187"/Solder	N/A	0.866"	N/A	279-D

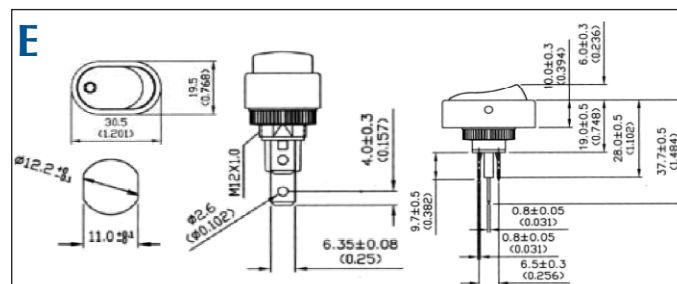
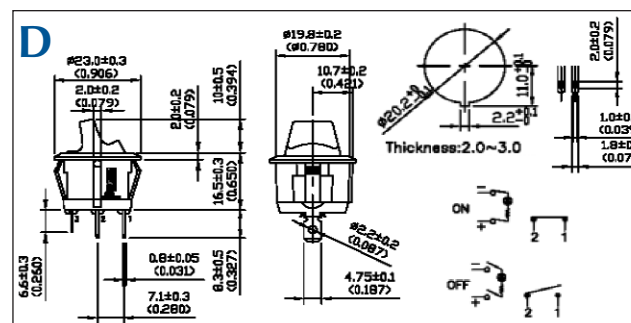
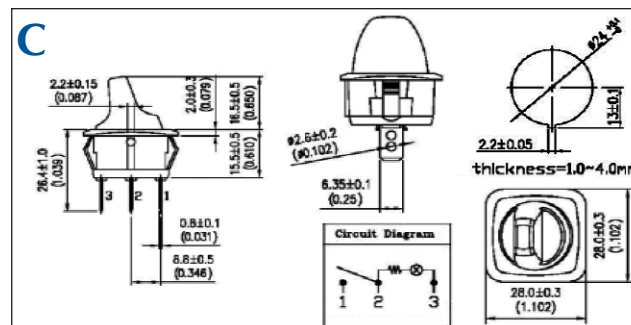
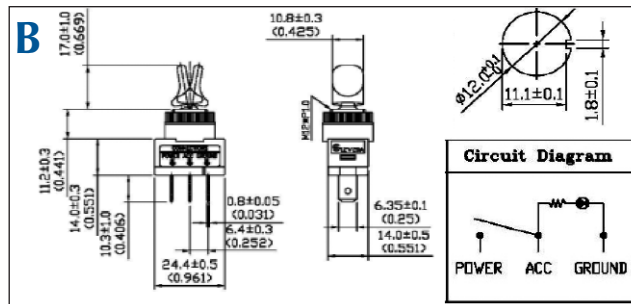
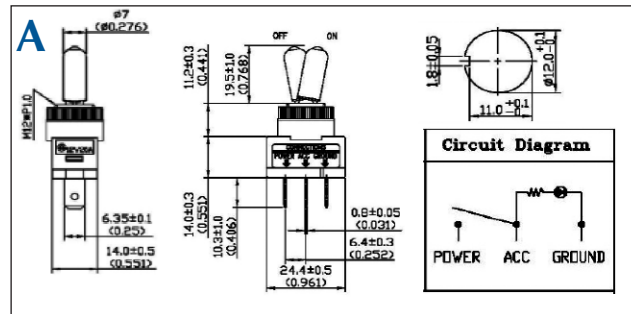
Note: All figures are for illustration purpose only, and the number/type of terminals may vary
QC=Quick Connect
KN=Knurled Nut



Fig. 5

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 12 VDC	Actuator Style	Lamp Color	Terminal Type	Bushing Length	Mounting Hole	Hardware	Spec. Drawing Page/Part No.
35-3370	35-3370-BU	5	On Off	SPST	30	LED Oval Rocker	Lighted Red LED	QC .250"	0.350"	0.500"	KN	279-E
35-3371	35-3371-BU	5	On Off	SPST	30	LED Oval Rocker	Lighted Green LED	QC .250"	0.350"	0.500"	KN	279-E
35-3372	35-3372-BU	5	On Off	SPST	30	LED Oval Rocker	Lighted Amber LED	QC .250"	0.350"	0.500"	KN	279-E
35-3373	35-3373-BU	5	On Off	SPST	30	LED Oval Rocker	Lighted Blue LED	QC .250"	0.350"	0.500"	KN	279-E

Note: All figures are for illustration purpose only, and the number/type of terminals may vary
QC=Quick Connect
KN=Knurled Nut



LIGHTED MINIATURE ROCKERS

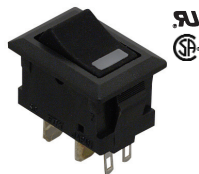


Fig. 1

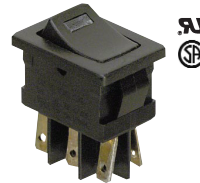


Fig. 2

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	Actuator Color	Terminal Type	Mounting Hole	Spec. Drawing Page/Part No.
35-680	35-680-BU	1	On Off	SPST	5	3	Lighted Orange LED	QC .187"/Solder	0.512 x 0.750	281-A
35-681	35-681-BU	1	On Off	SPST	5	3	Lighted Green LED	QC .187"/Solder	0.512 x 0.750	281-A
35-682	35-682-BU	1	On Off	SPST	5	3	Lighted Red LED	QC .187"/Solder	0.512 x 0.750	281-A
35-645	35-645-BU	2	On Off	SPST	10	5	Lighted Red LED	Solder Eyelet	0.755 x 0.508	281-B
35-646	35-646-BU	2	On Off	DPST	10	5	Lighted Red LED	Solder Eyelet	0.755 x 0.508	281-B

Notes: (On)/(Off)=Momentary On/Off

QC=Quick Connect

(In Series) Resistor Chart for DC usage (LED). Diode for AC usage except 35-645 and 35-646

Forward V _{FD}	Current I _{LED}	Reverse V _R	Intensity M _{CD}	Recommended Resistor @ Voltage		
				5V	12V	24V
2.1	10	4V	1.6 typ.	270	1K	2.2K

For 35-645 and 35-646

MINIATURE ROCKERS

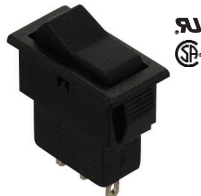


Fig. 3

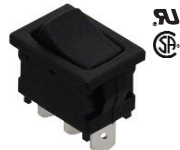


Fig. 4



Fig. 5

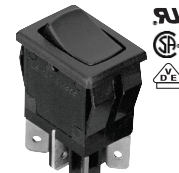


Fig. 6

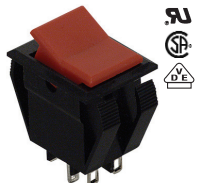


Fig. 7



Fig. 8

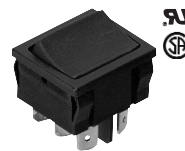


Fig. 9

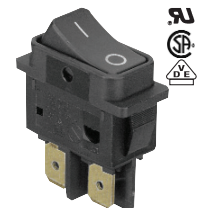


Fig. 10

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Actuator Color	Terminal Type	Imprinting Color and Marking	Mounting Hole	Spec. Drawing Page No.
35-602	35-602-BU	3	On On	SPDT	4	2	Black Plastic	Solder Lug		0.350 x 0.734	281-C
35-603	35-603-BU	3	On (On)	SPDT	4	2	Black Plastic	Solder Lug		0.350 x 0.734	281-C
35-604	35-604-BU	3	On Off On	SPDT	4	2	Black Plastic	Solder Lug		0.350 x 0.734	281-C
35-615	35-615-BU	4	On On	SPDT	4	2	Black	QC .187"		0.508 x 0.756	281-D
35-605	35-605-BU	5	On Off	SPST	8	4	Black/Red Indicating	QC .187"	Red O-	0.508 x 0.756	281-E
35-606	35-606-BU	6	On On	DPDT	8	4	Black	QC .187"		0.508 x 0.756	281-E
35-608	35-608-BU	6	On Off	DPST	8	4	Black	QC .187"		0.508 x 0.756	281-E
35-609	35-609-BU	6	On On	SPDT	8	4	Black	QC .187"		0.508 x 0.756	281-E
35-674	35-674-BU	7	On On	DPDT	8	4	Red Plastic	Solder Lug		0.625 x 0.523	281-F
35-676	35-676-BU	7	On Off On	DPDT	8	4	Red Plastic	Solder Lug		0.625 x 0.523	281-F
35-642	35-642-BU	8	On Off	SPST	10	6	Black Plastic	QC .250"	White O-	0.508 x 0.755	281-G
35-644	35-644-BU	4	On On	SPDT	10	5	Black	QC .187"		0.508 x 0.756	281-D
35-648	35-648-BU	9	On On	DPDT	10	5	Black	QC .187"		0.887 x 0.756	281-D
35-607	35-607-BU	6	On Off	SPST	11	N/R	Black	QC .187"		0.508 x 0.756	281-E
35-643	35-643-BU	10	On Off	DPST	16*	16	Black Plastic	QC .250"	White O-	0.483 x 1.021	281-H
35-3705		10	On Off	DPST	16	16	White Plastic	QC .250"	Black O-	0.483 x 1.021	281-H

Notes: (On)=Momentary On

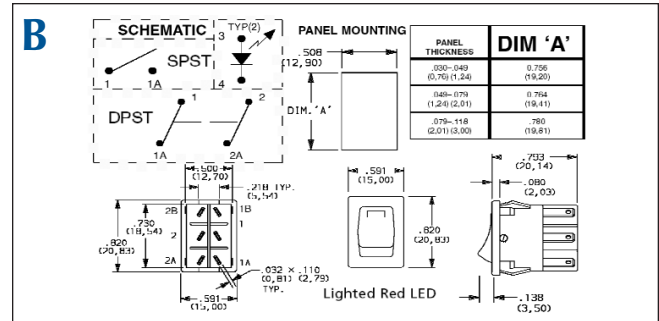
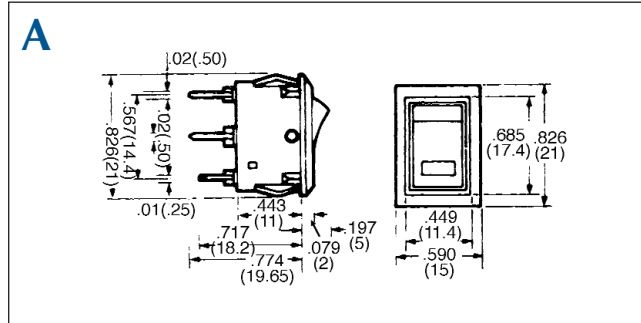
*1/4 HP @ 125VAC, 1/2 HP @250VAC

N/R= Not Rated

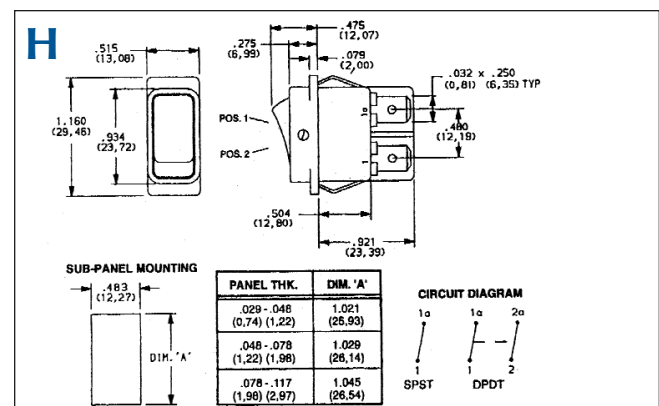
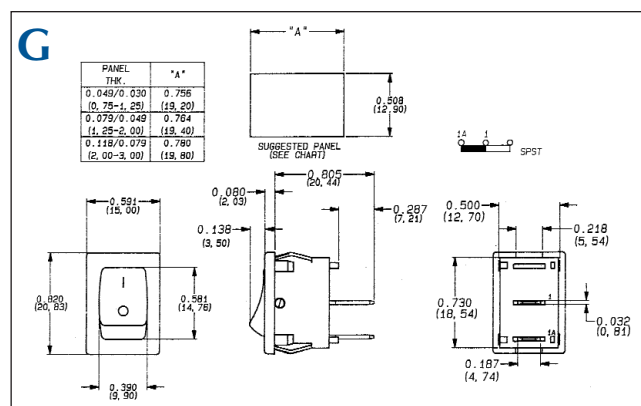
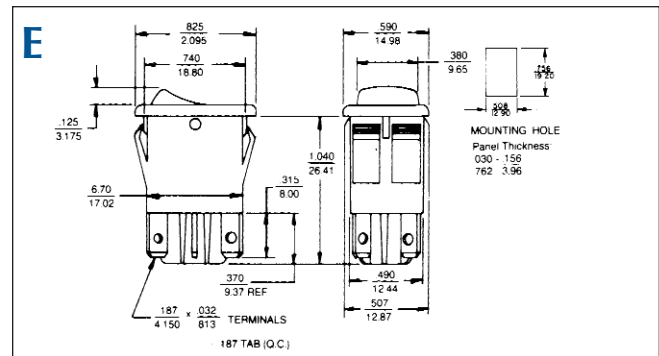
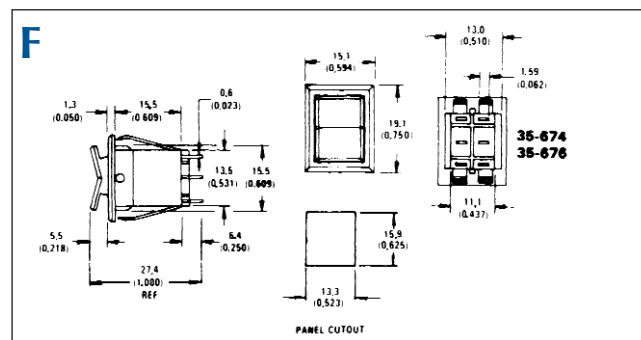
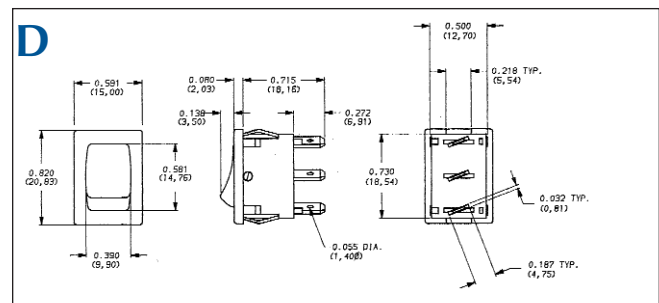
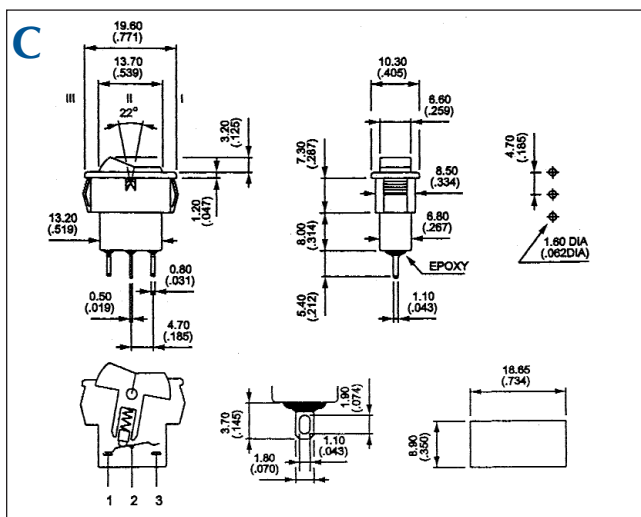
QC=Quick Connect

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

LIGHTED MINIATURE ROCKERS (Cont.)



MINIATURE ROCKERS (Cont.)



STANDARD APPLIANCE ROCKERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

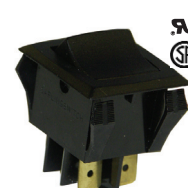


Fig. 8

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	Actuator Color	Actuator Material	Imprinting Color and Marking	Mounting Hole	Spec. Drawing Page No.
35-3760	35-3760-BU	1	(On) Off	SPST	15*	10	White	Nylon		0.550 x 1.125	283-A
35-691	35-691-BU	2	On Off	SPST	16	10	Black	Nylon		0.550 x 1.125	283-B
35-693	35-693-BU	3	On Off	SPST	16	10	Black	Nylon	Red On/Off	0.550 x 1.125	283-B
35-694	35-694-BU	2	On Off On	SPDT	16	10	Black	Nylon		0.550 x 1.125	283-B
35-3030	35-3030-BU	3	On Off	SPST	16	10	Black	Nylon	Red On/Off	0.550 x 1.125	283-B

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	HP 125/250VAC	Actuator Material	Imprinting Color and Marking	Mounting Hole	Spec. Drawing Page No.
35-3600	35-3600-BU	4	On Off	SPST	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3610	35-3610-BU	4	On On	SPDT	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3620	35-3620-BU	4	On Off On	SPDT	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3630	35-3630-BU	4	On Off	DPST	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3636	35-3636-BU	4	On Off	SPST	20	†	1-1/2	Black Nylon		0.830 x 1.450	283-D
35-3640	35-3640-BU	4	On On	DPDT	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3650	35-3650-BU	4	On Off On	DPDT	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3660	35-3660-BU	4	(On) Off	DPST	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3670	35-3670-BU	4	(Off) On	DPST	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3680	35-3680-BU	4	(On) On	DPDT	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3690	35-3690-BU	4	(On) Off On	DPDT	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3695	35-3695-BU	4	(On) Off (On)	DPDT	15	10	3/4	Black Nylon		0.830 x 1.450	283-D
35-3710	35-3710-BU	4	On Off	SPST	16	10	3/4	Black Nylon		0.550 x 1.125	283-C
35-3720	35-3720-BU	4	On On	SPDT	16	10	3/4	Black Nylon		0.550 x 1.125	283-C

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	HP 250 VAC	Actuator Material	Imprinting Color and Marking	Mounting Hole	Spec. Drawing Page No.
35-620	35-620-BU	5	On Off	DPST	15	10	1/4	Red Poly	White On/Off	0.866 x 1.102	283-E
35-640	35-640-BU	6	On On	SPDT	16	16	1	Black Nylon		1.100 x 0.453	283-F
35-695	35-695-BU	7	(On) Off (On)	SPDT	16	16	1	Black Plastic		0.550 x 1.180	283-F
35-654	35-654-BU	8	On Off	DPST	20	15	N/R	Black Plastic		1.000 x 1.125	283-G

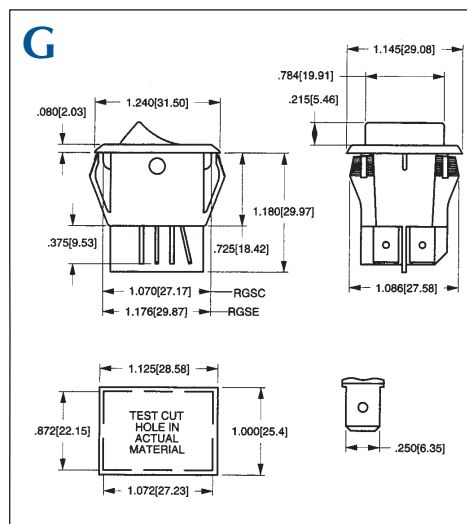
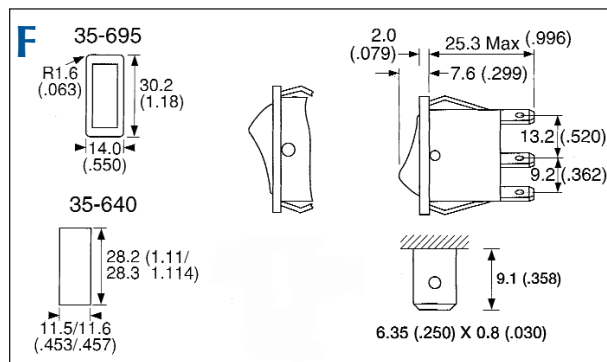
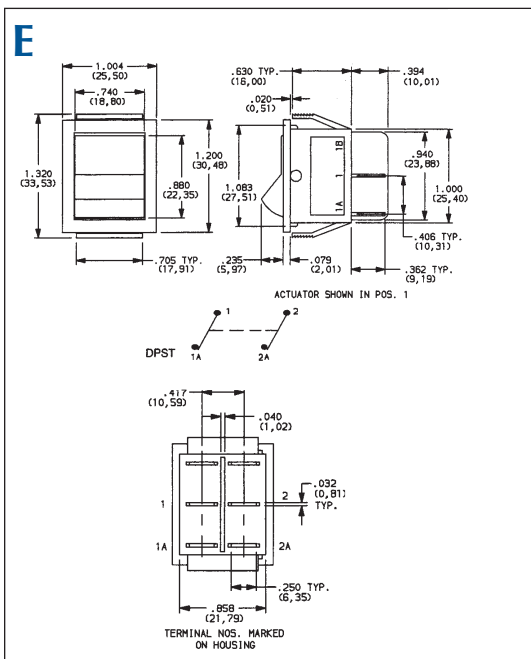
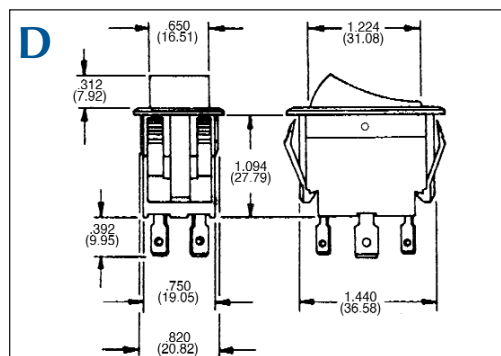
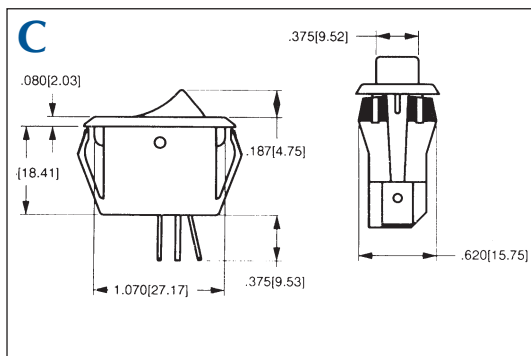
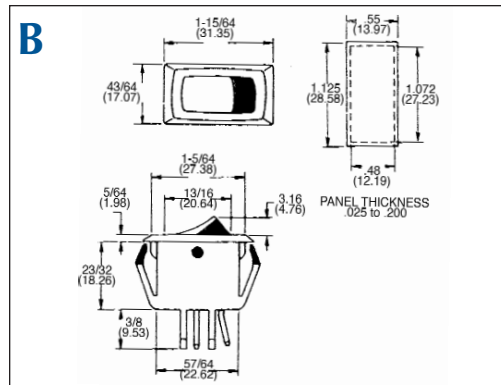
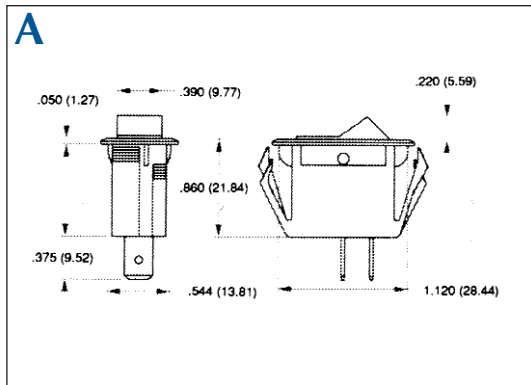
Notes: (On)=Momentary On
*3/4 H.P. @ 125/250VAC

N/R= Not Rated
All of the Above have Quick Connect .250" Terminals

†=20A @ 277VAC and 2 H.P. @ 250VAC

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

STANDARD APPLIANCE ROCKERS (Cont.)



LIGHTED APPLIANCE ROCKERS

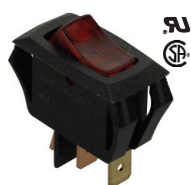


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

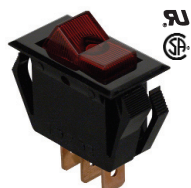


Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

On-Off Circuit Function

Retail Part No.	Bulk Part No.	Fig. No.	Poles/Throws	Amps 125 VAC	Amps 250 VAC	HP 125 VAC	HP 250 VAC	HP 125-250 VAC	Actuator Color	Actuator Material	Lamp Voltage	Mounting Hole	Spec. Drawing Page/Part No.
35-660	35-660-BU	1	SPST	**	N/R				Lighted Red		12V Incdt	0.550 x 1.125	285-A
35-684	35-684-BU	2	SPST	10	N/R	N/R	N/R	N/R	White w/ Red LED	Plastic	***	0.430 x 1.189	285-B
35-696	35-696-BU	3	SPST	12	8			1/2	Lighted Red	Nylon	125V Ne	0.508 x 0.756	285-C
35-656	35-656-BU	4	SPST	15	10			1/2	Black w/Lighted Amber	Nylon	125V Ne	1.450 x 0.830	285-D
35-662	35-662-BU	5	SPST	15	15	1/2	1		Lighted Amber	Nylon	12V Incdt	0.453 x 1.110	285-E
35-664	35-664-BU	5	SPST	15	15	1/2	1		Lighted Green	Nylon	12V Incdt	0.453 x 1.110	285-E
35-688	35-688-BU	5	SPST	15	15	1/2	1		Lighted Red	Nylon	125V Ne	0.453 x 1.110	285-E
35-689	35-689-BU	6	SPST	15*	10			3/4	Lighted Red	Nylon	125V Ne	0.550 x 1.125	285-F
35-3790	35-3790-BU	6	SPST	15	10			3/4	Lighted Amber	Nylon	125V Ne	0.550 x 1.125	285-F
35-621	35-621-BU	7	SPST	16	16				Black w/Red Lens	Plastic	125V Ne	0.870 x 1.070	285-G
35-3730	35-3730-BU	8	SPST	16	10				Lighted Amber		125V Ne	0.550 x 1.125	285-H
35-3740	35-3740-BU	8	SPST	16	10				Lighted Red		125V Ne	0.550 x 1.125	285-H
35-655	35-655-BU	9	DPST	20	15	N/R	N/R		Lighted Red	Plastic	125V Ne	1.000 x 1.125	285-I
35-686	35-686-BU	10	DPST	20	20	1/2	1		Black w/Red Indicator	Plastic	125V Ne	1.180 x 0.870	285-J
35-3755	35-3755-BU	8	SPST	15					Red w/ White Dot		110V Ne		

Notes: *Built-in Resistor

**Rated 10 Amps @ 30VDC

***Requires external resistor and diode for AC applications (not included)

Incndt=Incandescent

Ne=Neon

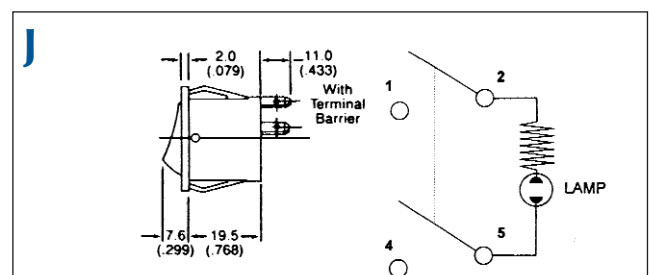
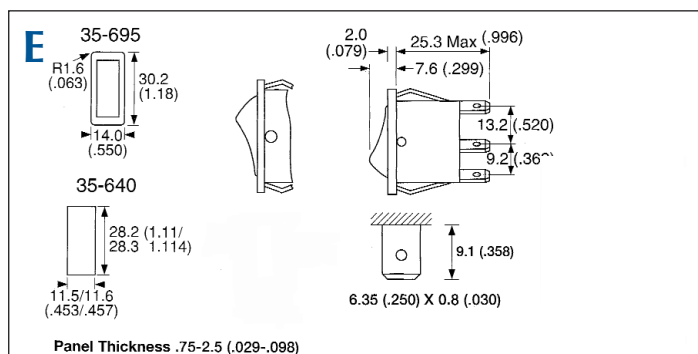
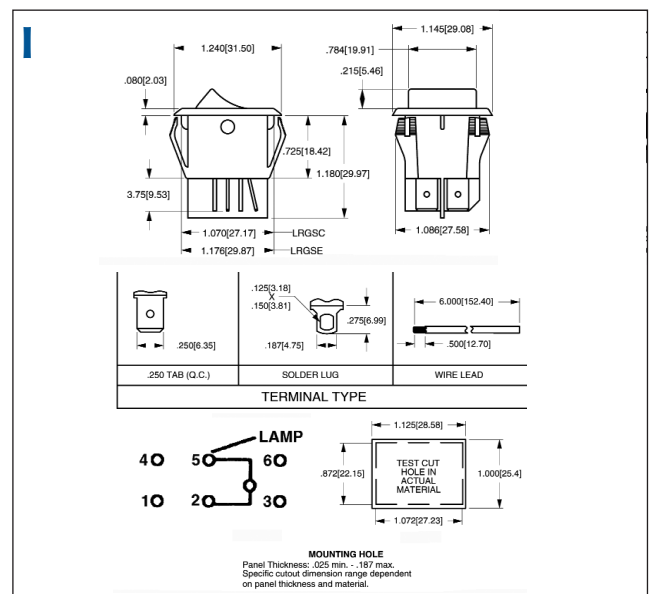
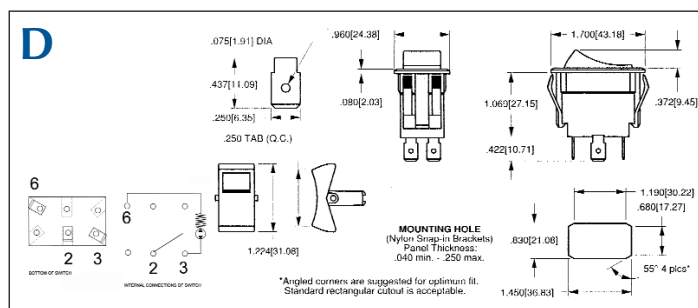
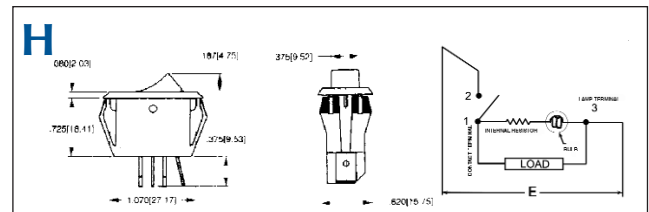
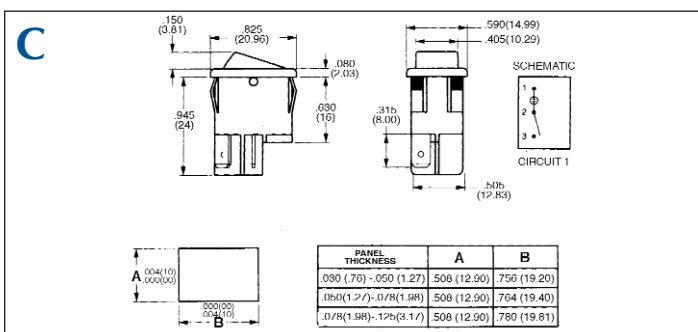
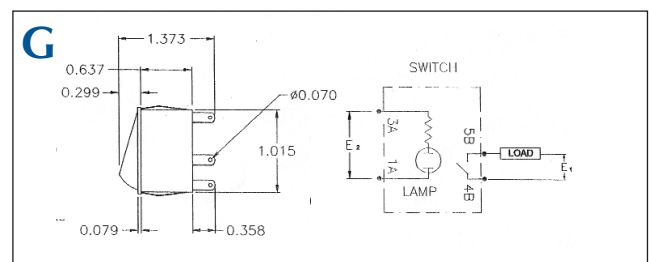
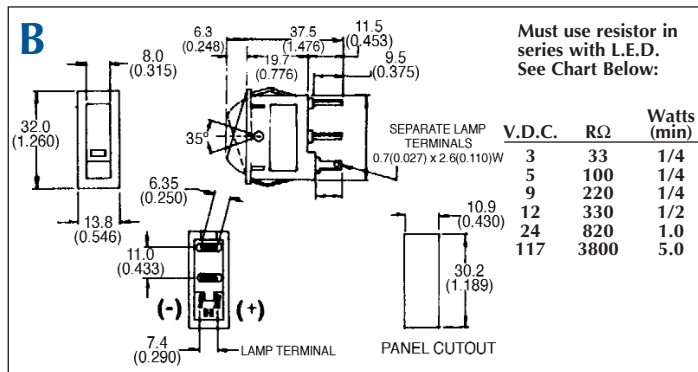
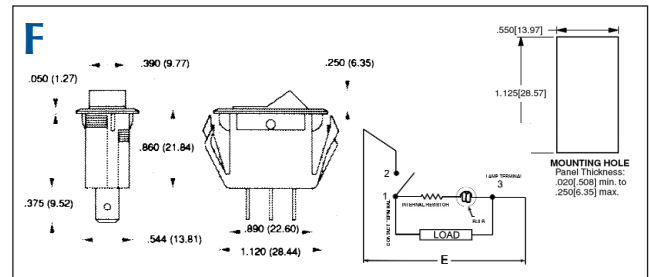
N/R=Not Rated

QC=Quick Connect

The Terminal Types for the above parts are QC .250" except for 35-684 is Solder and 35-696 is QC .187".

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

GCETM ELECTRONICS

[illegible]

AUTOMOTIVE/MARINE ROCKERS



Fig. 1



Fig. 2

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Amps 12 VDC	HP 125-250 VAC	Lamp Color	Lamp Voltage	Terminal Type	Mounting Hole	Spec. Drawing Page/Part No.
35-3580	35-3580-BU	1	On Off	SPST	15	10	N/R	1/2			QC .250"	0.830 x 1.450	287-A
35-3585	35-3585-BU	1	On On	DPDT			20				QC .250"	0.830 x 1.450	287-A
35-3590	35-3590-BU	1	On Off On	DPDT			20				QC .250"	0.830 x 1.450	287-A
35-3500	35-3500-BU	2	On Off	SPST			20		Amber	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3505	35-3505-BU	2	On Off	SPST			20		Green	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3510	35-3510-BU	2	On Off	SPST			20		Red	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3515	35-3515-BU	2	On Off	SPST			20		Blue	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3520	35-3520-BU	2	On Off On	DPDT			20		Amber	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3525	35-3525-BU	2	On Off On	DPDT			20		Green	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3530	35-3530-BU	2	On Off On	DPDT			20		Red	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3535	35-3535-BU	2	On Off On	DPDT			20		Blue	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3540	35-3540-BU	2	(On) Off	SPST			20		Amber	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3545	35-3545-BU	2	(On) Off	SPST			20		Green	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3550	35-3550-BU	2	(On) Off	SPST			20		Red	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3555	35-3555-BU	2	(On) Off	SPST			20		Blue	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3560	35-3560-BU	2	(On) Off (On)	DPDT			20		Amber	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3565	35-3565-BU	2	(On) Off (On)	DPDT			20		Green	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3570	35-3570-BU	2	(On) Off (On)	DPDT			20		Red	12V Incandescent	QC .250"	0.830 x 1.450	287-B
35-3575	35-3575-BU	2	(On) Off (On)	DPDT			20		Blue	12V Incandescent	QC .250"	0.830 x 1.450	287-B

Notes: For replacement gasket use part number **999-16543-001**
(On)=Momentary On
QC=Quick Connect

All above parts have nylon actuators

ROUND ROCKERS



Fig. 3



Fig. 4



Fig. 5



Fig. 6



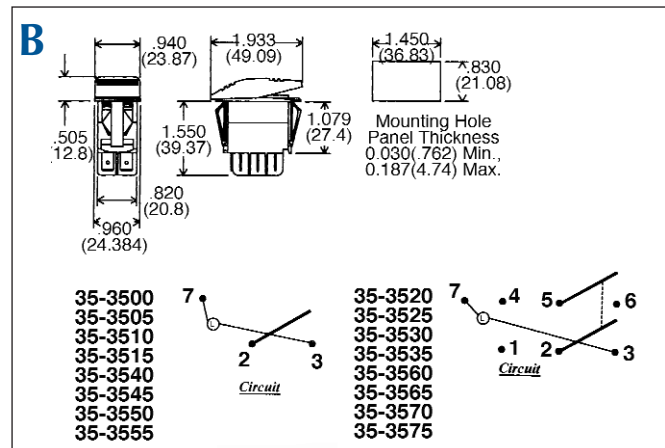
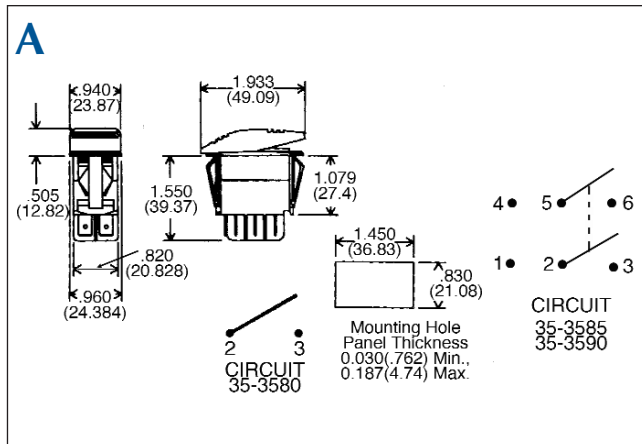
Fig. 7

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	AMPS 125VAC	AMPS 250VAC	HP 250 VAC	Actuator Color	Imprinting Color and Marking	Terminal Type	Mounting Hole	Spec. Drawing Page/Part No.
35-1300	35-1300-BU	3	On Off	SPST	10	6		Red (Lighted)*	White O- (See Fig.)	QC .187"	0.7952"	287-C
35-1301	35-1301-BU	3	On Off	SPST	10	6		Green (Lighted)*	White O- (See Fig.)	QC .187"	0.7952"	287-C
35-1302	35-1302-BU	4	On Off	SPST	10	6		Black	White O- (See Fig.)	QC .187"	0.7952"	287-D
35-1303	35-1303-BU	4	(On) Off	SPST	10	6		Black	White O- (See Fig.)	QC .187"	0.7952"	287-D
35-1304	35-1304-BU	5	On Off	DPST	10	6		Black	White O- (See Fig.)	QC .187"	0.7952"	287-E
35-1305	35-1305-BU	6	On Off On	SPDT	10	6		Black	White -O=(See Fig.)	QC .187"	0.7952"	287-F
35-1307	35-1307-BU	3	On Off	SPST	10	6		Amber (Lighted)*	White O- (See Fig.)	QC .187"	0.7952"	287-C
35-1311	35-1311-BU	7	On Off	SPST	10	6		Blk w/Red Indicator*	None	QC .187"	0.7952"	287-G

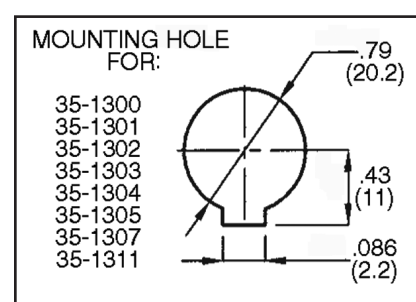
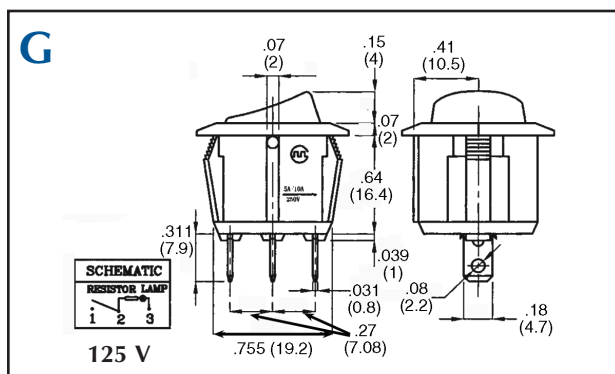
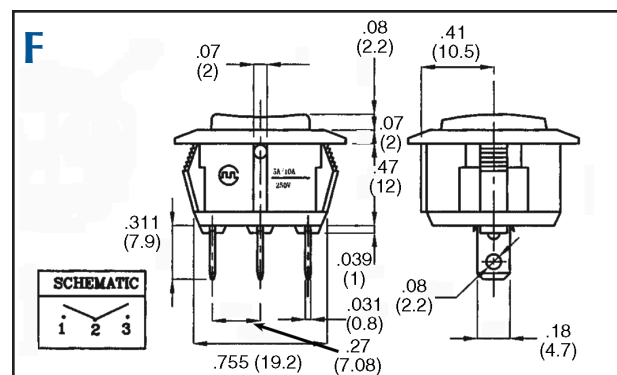
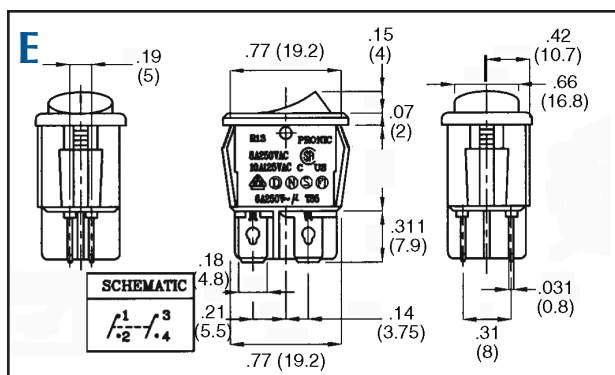
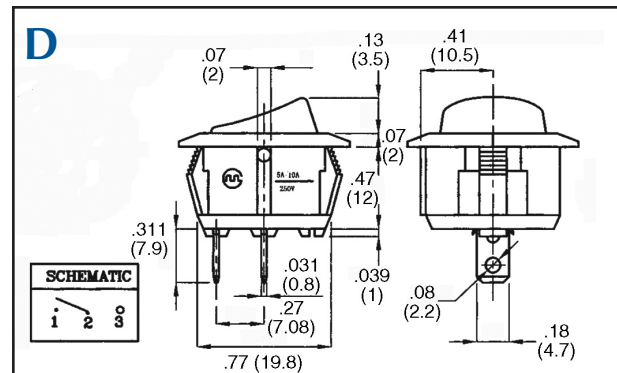
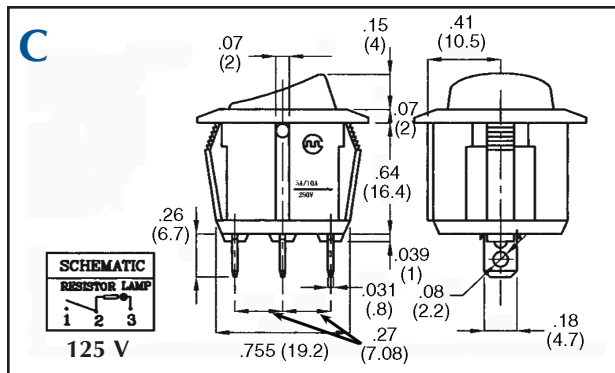
Notes:
(On)=Momentary On *=125V Lamp
QC=Quick Connect

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

AUTOMOTIVE/MARINE ROCKERS (Cont.)



ROUND ROCKERS (Cont.)



SUB-MINI & MINIATURE PUSHBUTTONS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-402	35-402-BU	1	On (Off)	NC SPST	1/4*		0.125	0.175	Black	PI	Sd Lug	0.172	N	289-A
35-3459	35-3459-BU	2	Off (On)	NO SPST	1/4†		0.225	0.240	White	Pin	Sd Eyelet	0.250	N	289-B
35-400	35-400-BU	3	Off (On)	NO SPST	1/2	1/4	0.125	0.175	Black	PI	Sd Lug	0.172	N	289-C
35-401	35-401-BU	4	Off (On)	NO SPST	1		0.276	0.091	Black	RC	Sd Eyelet	0.281	N, KN	289-D
35-407	35-407-BU	5	Off (On)	NO SPST	1	1/2		0.100	White	SqB	QC .187"/Sd	****		289-E
35-410	35-410-BU	4	Off (On)	NO SPST	1		0.276	0.091	Red	RC	Sd Eyelet	0.281	N, KN	289-D
35-415	35-415-BU	5	Off (On)	NO SPST	1	1/2		0.100	Red	SqB	QC .187"/Sd	****		289-E
35-450	35-450-BU	6	On (On)	SPDT	1*		0.250	0.218	White	Pin	Sd Eyelet	0.250	2 N, LW, LR	289-F
35-451	35-451-BU	7	On (On)	DPDT	1*		0.250	0.218	White	Pin	Sd Eyelet	0.250	2 N, LW, LR	289-F
35-404	35-404-BU	8	On (On)	SPDT	3		0.335	0.315	Black	RC	Sd Eyelet	0.250	N, KN, W	289-G
35-405	35-405-BU	9	On (On)	DPDT	3		0.335	0.315	Black	RC	Sd Eyelet	0.250	N, KN, W	289-J
35-406	35-406-BU	10	On (Off)	SPST	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-408	35-408-BU	10	On (On)	SPDT	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-409	35-409-BU	10	Off (On)	NO SPST	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-411	35-411-BU	11	Off (On)	NO SPST	3	1	0.295	0.157	Black	RB	Sd Eyelet	0.400	N, W	289-I
35-412	35-412-BU	12	Off (On)	NO SPST	3	1	0.295	0.157	Black	SqB	Sd Eyelet	0.400	N, W	289-I
35-413	35-413-BU	13	Off (On)	NO SPST	3	1	0.295	0.157	Black	RqB	Sd Eyelet	0.400	N, W	289-I
35-417	35-417-BU	13	Off (On)	NO SPST	3	1	0.295	0.157	Red	RqB	Sd Eyelet	0.400	N, W	289-I
35-425	35-425-BU	9	On (On)	DPDT	3		0.335	0.315	Blue	RC	Sd Eyelet	0.250	N, KN, W	289-J

Notes: (On)/(Off)=Momentary On/Off
 *Rated@120VAC/28VDC
 ****0.500 x 0.437
 †=Rated @125VAC/DC

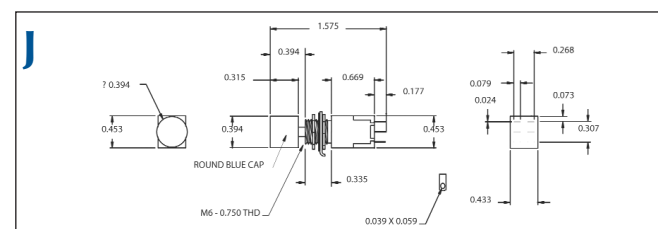
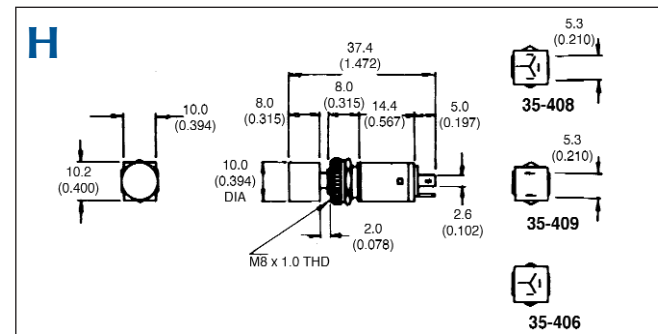
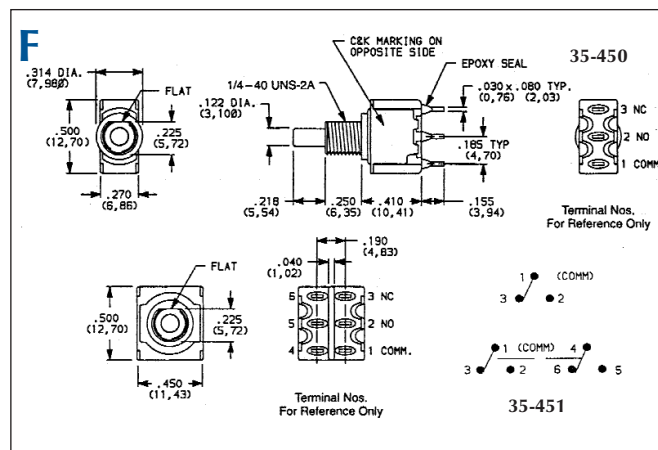
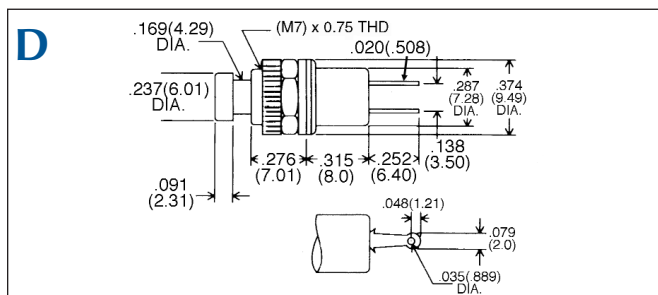
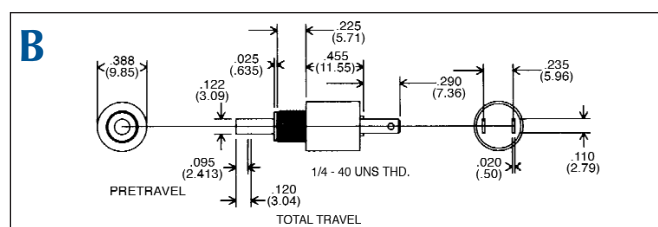
KN=Knurled Nut
 LR=Lock Ring
 LW=Lock Washer
 N=Nut(s)
 NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated

QC=Quick Connect
 RC=Round Cap
 RqB=Rectangle Button

PI=Plunger
 Sd=Solder
 SqB=Square Button
 W=Washer

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

Switches



MINIATURE PUSHBUTTONS (Cont.)

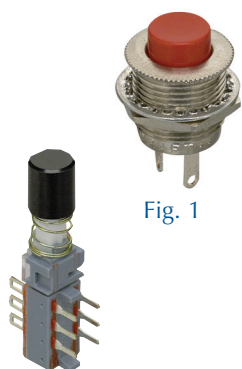


Fig. 1



Fig. 2



Fig. 3

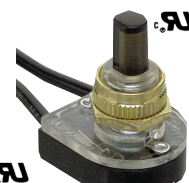


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	30 Watts	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-416	35-416-BU	1	On (Off)	SPDT	N/R	250mA	0.391	0.110	Red	RB	Sd Eyelet	0.469	LN, LW	291-A
35-418	35-418-BU	2	On (Off)	SPDT	N/R	250mA	0.391		Black	RB	Sd Eyelet	0.469	LN, LW	291-A
35-3460	35-3460-BU	3	On Off	SPST	6††		1.100	0.450	Brass	CB	6" WL	0.375	N, KN	291-B
35-852	35-852-BU	4	On Off	SPST	6††		0.375	0.344	Black	CB	6" WL	0.375	N, KN	291-C

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-491	35-491-BU	5	On On	DPDT	0.50**	0.20		0.406	Black	RmB	PCB/Sd Eye		N, LN	291-D

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	A 125/250 VAC	30 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-475	35-475-BU	6	(On) Off	NO SPST	0.50	0.50	0.260	0.500	Black	RB	†††	0.500	N, LN	291-E
35-476	35-476-BU	7	Off (On)	NO SPST	0.50		0.260	0.500	Red	RB	†††	0.500	N, LN	291-E
35-3471	35-3471-BU	8	On (Off)	NC SPST	***		0.374	0.244	White	RB	Sc	0.500	N, LW	291-F

Notes: (On)/(Off)=Momentary On/Off
 **Rated@100VAC
 ***Rated 2Amps @120VAC, 1A 277 VAC

††=3@250V AC
 †††=6.3mm Tab w/Eyelet
 35-491 is momentary on if the pin is removed
 CB=Canopy Button
 KN=Knurled Nut
 LN=Lock Nut

LW=Lock Washer
 N=Nut(s)
 NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated

PCB=Printed Circuit Board
 RB=Round Button
 RmB=Removable Button

Sc=Screw
 Sd=Solder

STANDARD PUSHBUTTONS



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color/Material	Frame/Bezel	Terminal Type	Mount Hole	Hardware	Spec. Drawing Page No.
35-420	35-420-BU	9	Off (On)	NO SPST		3	0.276	0.354	Red Plastic	Chrm. Ring	Sd Eyelet	0.500	N, W	291-G
35-421	35-421-BU	10	Off (On)	NO SPST		3	0.390	0.244	Red Plastic	Black Square	Sd Eyelet	0.500	N, W	291-H
35-422	35-422-BU	9	On Off	SPST		3	0.276	0.354	White Plastic	Chrm. Ring	Sd Eyelet	0.500	N, W	291-G
35-423	35-423-BU	11	Off (On)	NO SPST	3	N/R	Snap-in	0.125	Red Plastic	Black	Sd Eyelet	0.687		291-I
35-3456	35-3456-BU	12	(On) Off	SPST	6	3	0.500	0.212	White		Q.C.	0.500	N, KN	291-J
35-3457	35-3457-BU	13	Off (On)	NO SPST	6**	3**	0.500	0.212	Black Plastic		Sc	0.500	N, KN, Sc	291-J
35-3458	35-3458-BU	13	(Off) On	NC SPST	***	***	0.490	0.200	Red Plastic		Sc	0.500	N, KN, Sc	291-K
35-430	35-430-BU	14	Off (On)	NO SPST	6	3	0.562	0.437	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-432	35-432-BU	14	On (Off)	NC SPST	6	3	0.562	0.437	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-448	35-448-BU	15	On Off	SPST	6	3	0.561	0.415	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-449	35-449-BU	16	On Off	SPST	6	3	0.561	0.437	Chrm. Metal		Sc	0.500	N, KN	291-M

Notes: (On)/(Off)/(SPDT)=Momentary Action
 *Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;
 **Rated 6Amps @120VAC/3Amps @240VAC
 ***Rated 3Amps @120VAC/1.5Amps @277VAC
 ****Rated 25/15Amps @6/12VDC

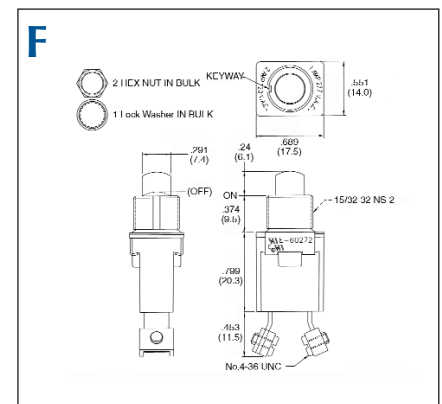
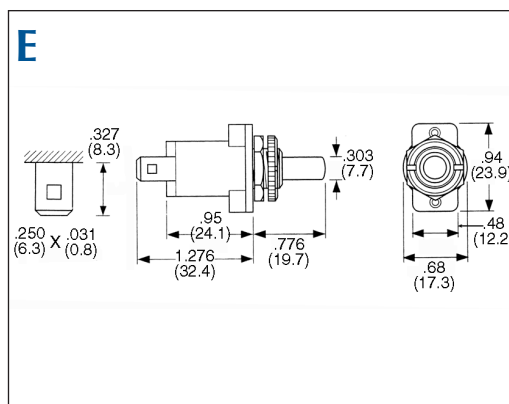
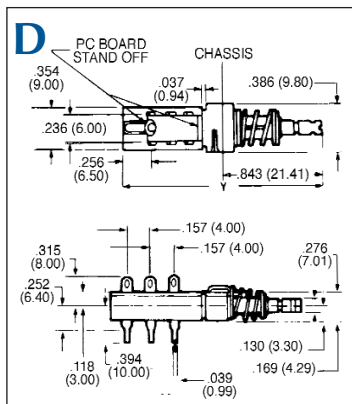
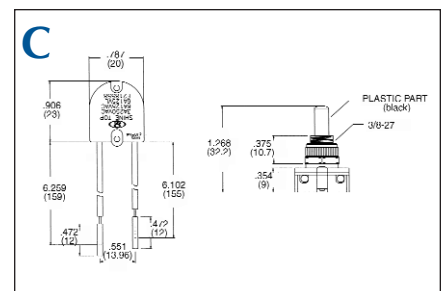
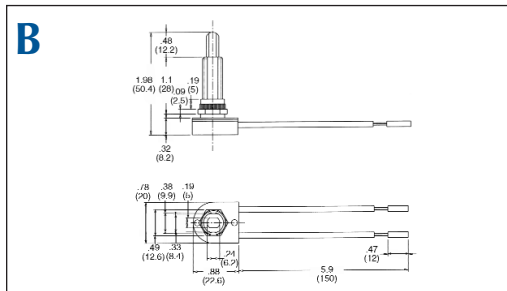
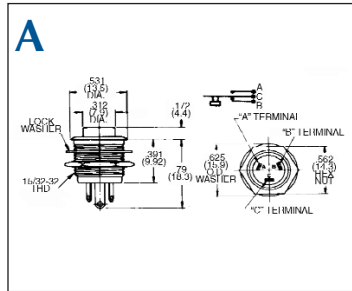
†=Rated 1/2 HP @250VDC
 Chrm.=Chrome
 HP=Horse Power
 KN=Knurled Nut
 N=Nut(s)

NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated
 QC=Quick Connect
 Sc=Screw

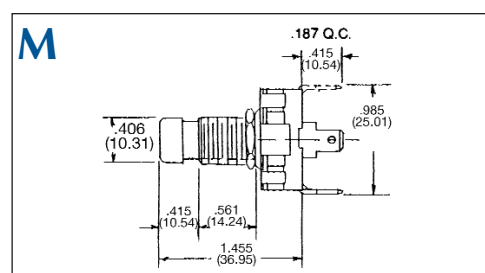
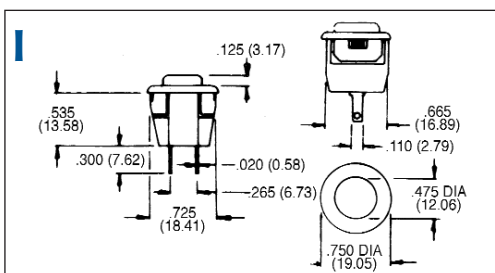
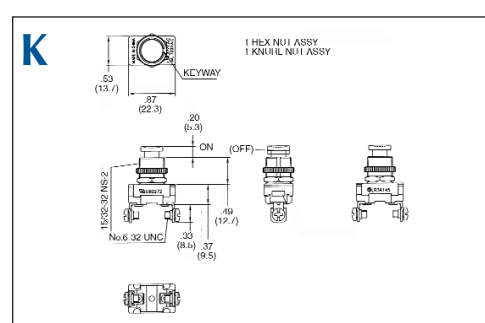
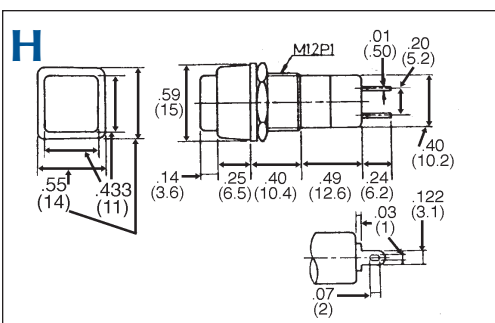
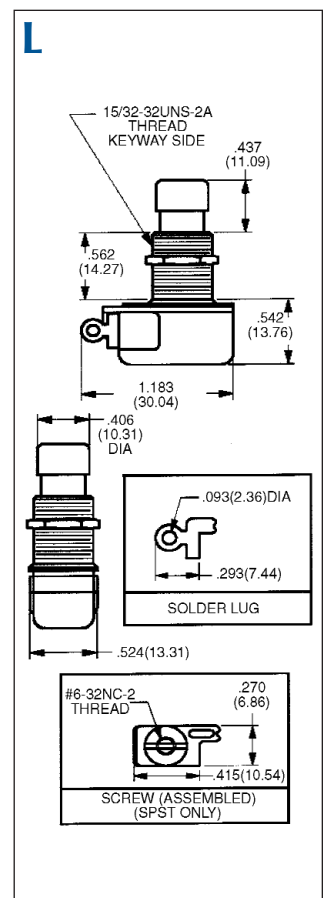
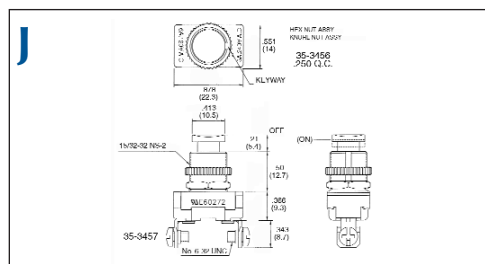
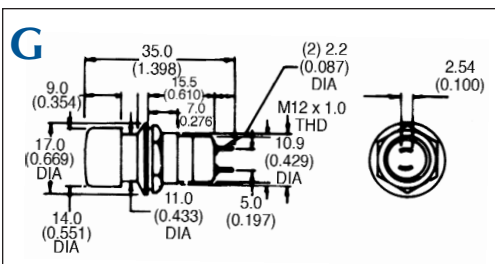
Sd=Solder
 W=Washer
 WL=Wire Lead

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

MINIATURE PUSHBUTTONS (Cont.)



STANDARD PUSHBUTTONS (Cont.)



STANDARD PUSHBUTTONS (Cont.)



Fig. 1

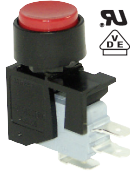


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color/Material	Frame/Bezel	Terminal Type	Mount Hole	Hardware	Spec. Drawing Page No.
35-3454	35-3454-BU	1	On Off	SPST††	10*	N/R	0.561	0.410	Chrm. Metal		6" WL	0.500	N, KN	293-A
35-473	35-473-BU	2	NO or NC	SPDT	16†	16†	0.380	0.125	Red Plastic	Black Shroud	QC .250"	0.500	N	293-B
35-458	35-458-BU	3	On Off	SPST	15	10	0.562	0.238	Chrm. Metal		Sc	0.500	N, KN, Sc	293-C
35-3425	35-3425-BU	4	On Off	SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3427	35-3427-BU	4	Off (On)	NO SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3429	35-3429-BU	4	On (Off)	NC SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3490	35-3490-BU	4	On On	SPDT	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	2 N, Sc	293-D
35-455	35-455-BU	5	Off On	SPST	16^	16	Snap-in	0.157	Red Plastic	Black	QC .250"/Sd	0.992		293-E
35-457	35-457-BU	5	Off (On)	NO SPST	16^	16	Snap-in	0.157	Red Plastic	Black	QC .250"/Sd	0.992		293-E
35-459	35-459-BU	5	Off (On)	NO SPST	16^	16	Snap-in	0.157	Black Plastic	Black	QC .250"/Sd	0.992		293-E
35-490	35-490-BU	6	On Off	DPDT††	8	6	0.730	0.312	OrangeΔ	Black	PCB/Sd Lug	0.530	N, W	293-F
35-3484	35-3484-BU	7	Off (On)	NO SPST	****	****	1.200	0.375	Black Chrome	Black	Sc	0.625	N, W	293-G

Notes: (On)/(Off)/(SPDT)=Momentary Action

*Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;

**Rated 6Amps @120VAC/3Amps @240VAC

***Rated 3Amps @120VAC/1.5Amps @277VAC

****Rated (25, 15) Amps @ (6,12) VDC

^=1/2 HP @ 125VAC, 1 HP @ 250 VAC

†=Rated 1/2 HP @125 VAC, 0.2A @250 VDC

††=Alternate Action

Chrm.=Chrome

HP=Horse Power

35-490 comes with Nut and Washer Hardware

35-490 pin can be removed to make momentary

Δ=Mechanical Indicator, non-illuminated

NC=Normally Closed

NO=Normally Open

N/R=Not Rated

QC=Quick Connect

Sc=Screw

Sd=Solder

W=Washer

WL=Wire Lead

KN=Knurled Nut

N=Nut(s)

LIGHTED PUSHBUTTONS

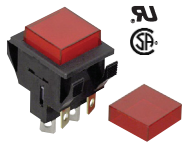


Fig. 8



Fig. 9



Fig. 10

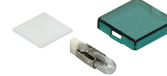


Fig. 11



Fig. 12

Switches

Retail Part No.	Bulk Part No.	Fig. No.	*Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Amps 14 VDC	HP 125 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Spec Drawing Page No.
35-480	35-480-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Red Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-481††		8									Red Lens	Square			293-J
35-482	35-482-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Amber Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-484	35-484-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Green Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-3412	35-3412-BU	9	(1NC) (1NO)	SPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3414	35-3414-BU	9	1NC 1NO	SPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3430	35-3430-BU	9	2NC 2NO	DPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3431	35-3431-BU	10	2NC 2NO	DPDT		4†			0.295	0.196		Rq	Sd Eyelet	0.638	293-I
35-3432	35-3432-BU	10	(1NC) (1NO)	SPDT		4†			0.295	0.196		Rq	Sd Eyelet	0.638	293-I

Lens and Diffuser Kits

Choose a Lens and Diffuser Kit below to go with Fig. 9 and Fig. 10 above part numbers (Sold Separately)

Retail Part No.	Bulk Part No.	Fig. No.	Style	Color	Spec Drawing Page No.
35-3435	35-3435-BU	11	Square	Green	293-K
35-3437	35-3437-BU	11	Square	Red	293-K
35-3438	35-3438-BU	11	Square	Clear	293-K
35-3439	35-3439-BU	11	Square	Yellow	293-K
	35-3400-BU	12V Replacement Bulb			

Retail Part No.	Bulk Part No.	Fig. No.	Style	Color	Spec Drawing Page No.
35-3440	35-3440-BU	12	Rectangle	Green	293-L
35-3442	35-3442-BU	12	Rectangle	Red	293-L
35-3443	35-3443-BU	12	Rectangle	Clear	293-L
35-3444	35-3444-BU	12	Rectangle	Yellow	293-L
	35-3400-BU	12V Replacement Bulb			

Notes: ()=Momentary Function

**NC=Normally Closed and NO=Normally Open

^=12V Incandescent

N/R=Not Rated

PCB=Printed Circuit Board

†=0.2A @ 220VDC, 5mA @ 12VAC/DC

††=Lens Only

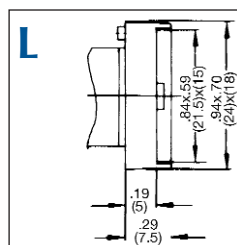
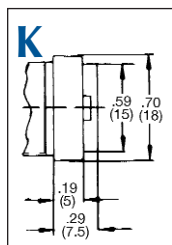
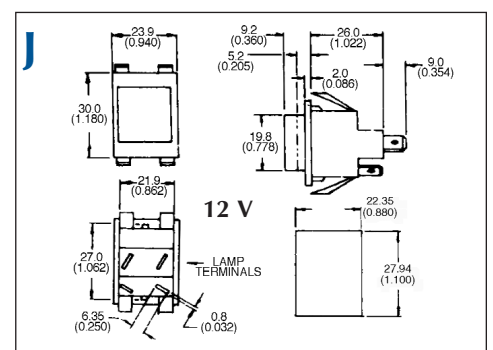
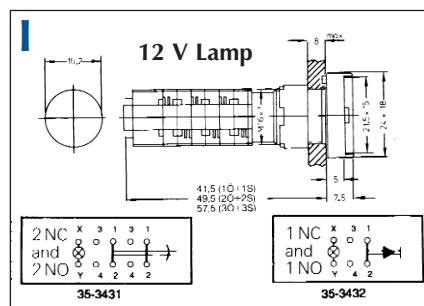
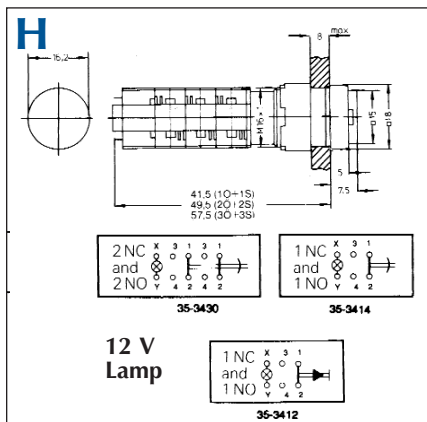
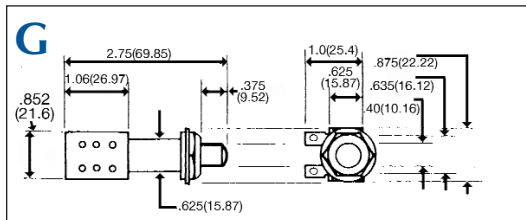
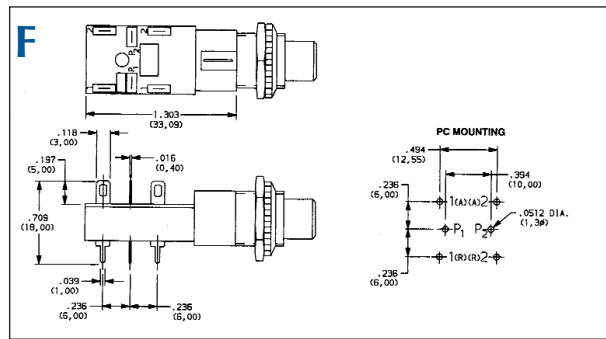
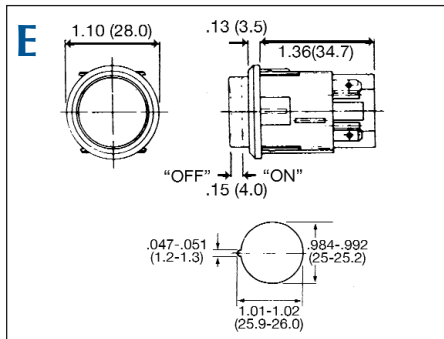
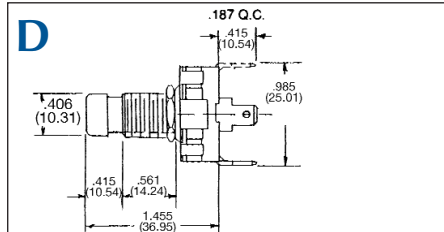
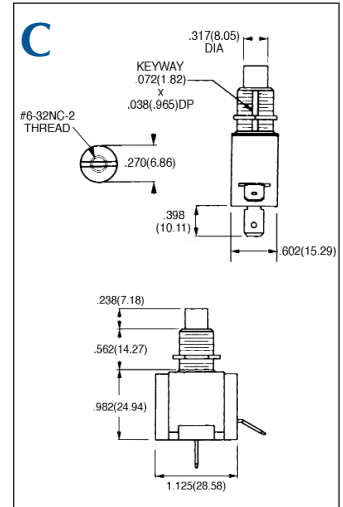
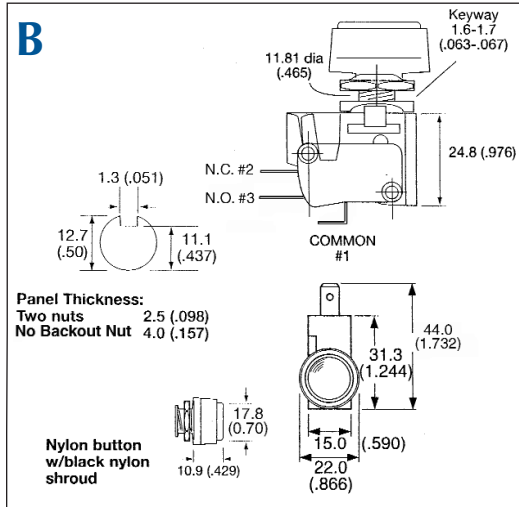
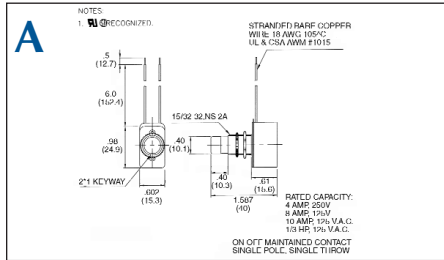
QC=Quick Connect

Rq=Rectangle

Sd=Solder

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

STANDARD PUSHBUTTONS (Cont.)



TACTILE PUSHBUTTONS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Retail Part No.	Bulk Part No.	Figure No.	Circuit Function	Poles/Throws	Amps 12 VDC	50VAC/DC	Operating Force	Actuator Height	Actuator Color	Mounting Style	Body Size	Spec Drawing Page No.	Protection
35-1451		1	(On) Off	SPST	50mA		160g	0.169	Gray	PCB, Low Profile	0.472"	295-A	IP57 Protected Against Dust Temporary Immersion
35-1452		2	(On) Off	SPST	50mA		130g	0.169	Black	PCB, Low Profile	0.236"	295-A	
35-1453		3	(On) Off	SPST	50mA		200g	0.151	Gray	PCB, Low Profile	0.280"	295-A	
35-1411		4	(On) Off	SPST		1.0VA		0.093		PCB	0.283" (7mm)	295-B	
35-1414		4	(On) Off	SPST		1.0VA		0.156		PCB	0.283" (7mm)	295-B	
35-1412		5	(On) Off	SPST		1.0VA		0.093		Surface	0.283" (7mm)	295-B	
35-1415		5	(On) Off	SPST		1.0VA		0.156		Surface	0.283" (7mm)	295-B	

Notes:(On)=Momentary On

PCB=Printed Circuit Board

35-1453 is a Right Angle Style Pushbutton

SUB-MINIATURE SNAP ACTION

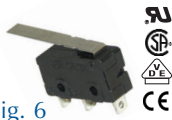


Fig. 6



Fig. 7



Fig. 8



Fig. 9

Retail Part No.	Bulk Part No.	Fig. No.	Poles/Throws	Amps 250 VAC	Operating Point (In)	Over Travel Min. (In)	Differential Travel Max. (In)	Operating Force Max. Oz. (grams)	Actuator	Terminal Type	Spec Drawing Page No.
35-822	35-822-BU	6	SPDT	5	0.488			1.0 (28)	Lever	Solder	295-C
35-834	35-834-BU	7	SPDT	5	0.449	0.016	0.008	5.2 (146)	Plunger	Solder	295-D
35-836	35-836-BU	8	SPDT	5	0.476			1.4 (39)	Lever	Solder	295-D
35-838	35-838-BU	9	SPDT	5	0.701			1.6 (45)	Roller	Solder	295-D

Notes:All of the above part numbers have momentary action.

MINIATURE SNAP ACTION



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

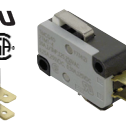


Fig. 17

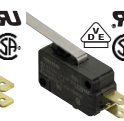


Fig. 18



Fig. 19

Retail Part No.	Bulk Part No.	Fig. No.	Poles/Throws	Amps125/250 VAC	Amps 125 VDC	Amps 250 VDC	HP125/250 VAC	PT Max. (In)	OT Min. (In)	DT Max. (In)	OF Max. Oz. (grams)	Actuator	Actuator Length (In)	Spec Drawing Page No.
35-823	35-823-BU	10	SPDT	10	1/2	1/4	1/3	0.056	0.035	0.013	2.7 (75)	PP		295-E
35-824	35-824-BU	11	SPDT	10	1/2	1/4	1/3	0.500	0.200	0.125	0.60 (17)	Lever	2.22	295-F
35-827	35-827-BU	12	SPDT	10	1/2	1/4	1/3	0.160	0.065	0.030	1.59-2.65 (45-75)	LvR	1.343	295-G
35-846	35-846-BU	13	SPDT	10	1/2	1/4	1/3	0.070	0.035	0.013	2.65-3.18 (75-90)	LvR	0.810	295-H
35-870	35-870-BU	14	NC SPST	10	1/2	1/4	1/3	0.056	0.035	0.013	2.7 (75)	PP		295-E
35-872	35-872-BU	14	NO SPST	10	1/2	1/4	1/3	0.056	0.035	0.013	2.7 (75)	PP		295-E
35-876	35-876-BU	13	SPDT	10	1/2	1/4	1/3	0.700	0.035	0.013	5.3-6.36 (150-180)	LvR	0.810	295-H
35-878	35-878-BU	15	SPDT	10	1/2	1/4	1/2	0.140	0.062	0.050	3.18-5.3 (90-150)	SR	1.29	295-I
35-880	35-880-BU	16	SPDT	10	1/2	1/4	1/3	0.160	0.075	0.032	1.59-2.65 (45-75)	Lever	1.40	295-J
35-882	35-882-BU	12	SPDT	10	1/2	1/4	1/3	0.160	0.065	0.030	5.29 (150)	LvR	1.343	295-G
35-3934	35-3934-BU	17	SPDT	10	1/2	1/4	1/3	0.080	0.035	0.013	2.65-3.18 (75-90)	Lever	0.840	295-K
35-3938	35-3938-BU	11	SPDT	11*	1/2	1/4	1/3	0.250	0.125	0.045	2.5-8.0 (70-225)	Lever	2.34	295-F
35-3940	35-3940-BU	13	SPDT	11*	1/2	1/4	1/3	0.060	0.030	0.015	7.94 (225)	LvR	0.810	295-H
35-3942	35-3942-BU	16	SPDT	10	1/2	1/4	1/3	0.160	0.075	0.032	1.06-1.76 (30-50)	Lever	1.40	295-J
35-840	35-840-BU	10	SPDT	15	1/2	1/4	1/2	0.056	0.035	0.013	5.29 (150)	PP		295-E
35-842	35-842-BU	15	SPDT	15	1/2	1/4	1/2	0.140	0.062	0.050	3.18-5.3 (90-150)	SR	1.29	295-I
35-844	35-844-BU	16	SPDT	15	1/2	1/4	1/2	0.160	0.075	0.032	2.28-5.3 (80-150)	Lever	1.40	295-J
35-848	35-848-BU	12	SPDT	15	1/2	1/4	1/2	0.160	0.065	0.030	2.8-5.3 (80-150)	LvR	1.343	295-G
35-874	35-874-BU	13	SPDT	15	1/2	1/4	1/2	0.070	0.035	0.013	5.3-6.36 (150-180)	LvR	0.810	295-H
35-3945	35-3945-BU	18	SPDT	15*	1/2	1/4	1/2	0.250	0.125	0.045	4.2-14.1 (120-400)	Lever	2.340	295-L
35-3932	35-3932-BU	19	SPDT	21*			1+	0.047	0.050	0.010	7.94 (225)	PP		295-M

Notes: *Rated @ 277VAC

†=Rated @ 125VAC, 2 HP @ 250VAC

All of the above have momentary action

All of the above snap switches have a terminal type of QC .187".

DT=Differential Travel

HP=Horse Power

LvR=Lever Roller

OF=Operating Force

NC=Normally Closed

NO=Normally Open

OT=Over Travel

PT=Pre Travel

PP=Pin Plunger

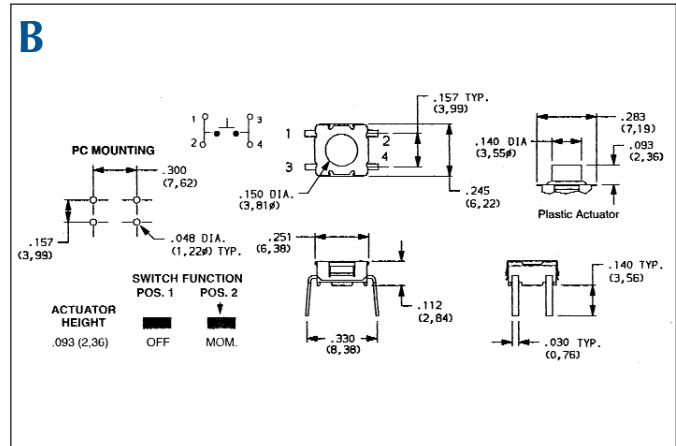
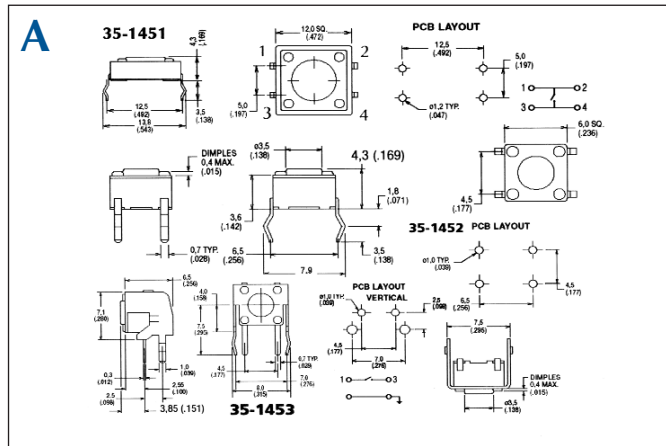
QC=Quick Connect

SR=Simulated Roller

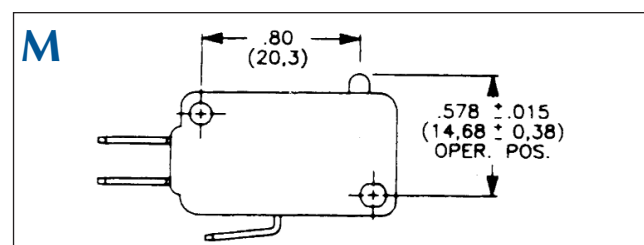
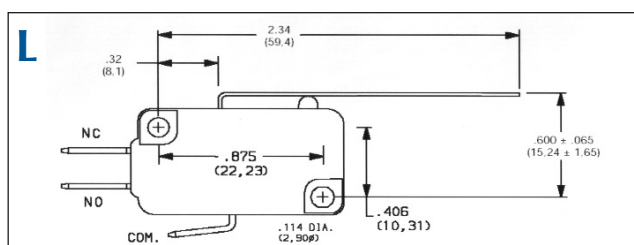
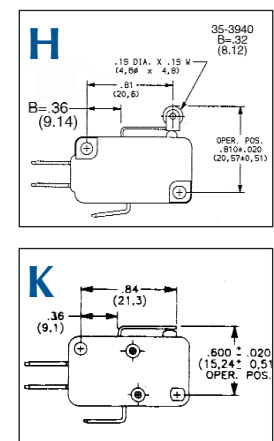
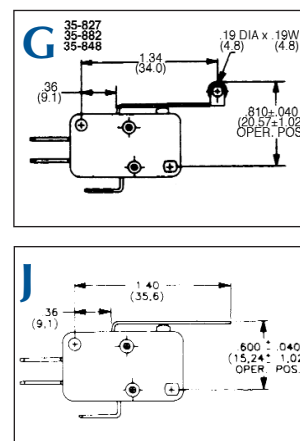
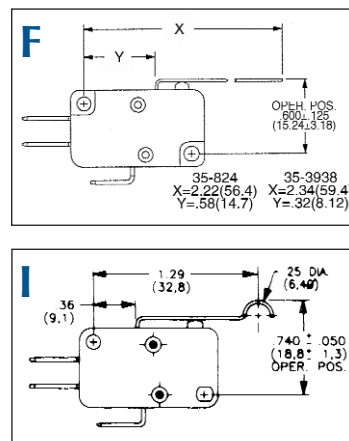
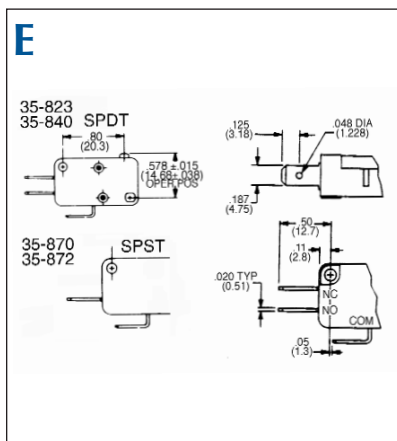
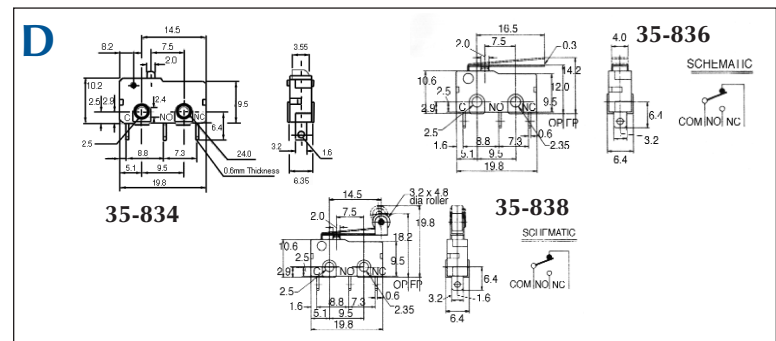
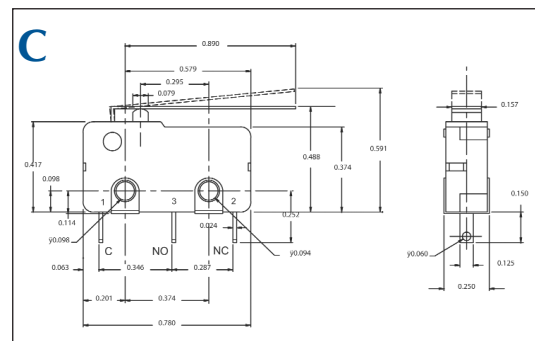
OT=Over Travel

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

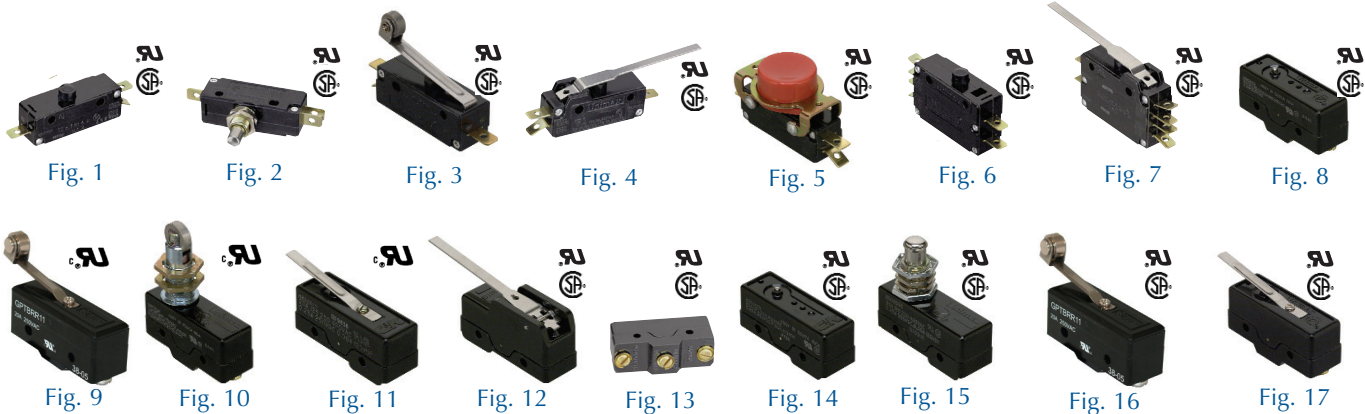
TACTILE PUSHBUTTONS (Cont.)



SUB-MINIATURE SNAP ACTION (Cont.)



GENERAL PURPOSE SNAP ACTION



Retail Part No.	Bulk Part No.	Fig. No.	Amps **VAC	Amps 125 VDC	Amps 250 VDC	HP 125 VAC	HP 250 VAC	PT Max. (In)	OT Min. (In)	DT Max. (In)	OF Max. Oz. (grams)	Actuator	Actuator Length (In)	Terminal Type	Spec Drawing Page No.
35-461	35-461-BU	1	15			3/4	1-1/2	0.050	0.050	0.010	20 (567)	PI		QC .250"	297-A
35-462	35-462-BU	2	15			3/4	1-1/2	0.050	0.187	0.010	20 (567)	PI w/OT		QC .250"	297-B
35-463	35-463-BU	3	15			3/4	1-1/2	0.281	0.062	0.094	20 (567)	Ro	1.50	QC .250"	297-C
35-464	35-464-BU	4	15			3/4	1-1/2	0.312	0.187	0.062	20 (567)	Lever	2.50	QC .250"	297-D
35-830	35-830-BU	5	15			3/4	1-1/2	0.050	0.050	0.010	20 (567)	Red Pb		QC .250"	297-E
35-831	35-831-BU	5	15			3/4	1-1/2	0.050	0.050	0.010	20 (567)	Black Pb		QC .250"	297-E
35-990	35-990-BU	*6	15			3/4	1-1/2	0.050	0.050	0.010	30 (850)	PI		QC .250"	297-F
35-992	35-992-BU	*7	15			3/4	1-1/2	0.312	0.187	0.062	30 (850)	Lever	2.50	QC .250"	297-F
35-3900	35-3900-BU	8	15			1/8	1/4	0.016	0.005	0.002	12.3 (350)	PP		Sc	297-G
35-3901	35-3901-BU	8	15	1/2	1/4			0.016	0.005	0.002	12.3 (350)	PP		Sc	297-G
35-3907	35-3907-BU	9	15					0.158	0.063	0.002	5.3 (151)	LRO	1.783	Sc	297-O
35-3910	35-3910-BU	10	20	1/2	1/4	1	2	0.028	0.140	0.008	22.9 (650)	RP		Sc	297-I
35-3911	35-3911-BU	10	15					0.016	0.140	0.002	12.3 (349)	RP		Sc	297-I
35-828	35-828-BU	11	20	1/2	1/4	1	2	0.156	0.062	0.050	5-13 (142-370)	LL	1.95	Sc	297-H
35-829	35-829-BU	11	15	1/2	1/4	1	2	0.156	0.062	0.050	5-13 (142-370)	LL	1.97	Sd	297-H
35-890	35-890-BU	12	20	1/2	1/4			0.380	0.190	0.156	3.5-26 (100-740)	Lever	2.50	Sc	297-J
35-892	35-892-BU	13	20	1/2	1/4	1	2	0.020	0.055	0.002	12.3 (350)	SP		Sd/Sc	297-K&L
35-894	35-894-BU	14	20	1/2	1/4	1	2	0.020	0.005	0.002	12.3 (350)	PP		Sd/Sc	297-L
35-896	35-896-BU	15	20	1/2	1/4	1	2	0.020	0.063	0.002	12.3 (350)	PI w/OT		Sd/Sc	297-M
35-980	35-980-BU	14	20	1/2	1/4			0.030	0.005	0.005	26 (740)	PP		Sd/Sc	297-L
35-982	35-982-BU	15	20	1/2	1/4			0.030	0.220	0.005	26 (740)	PI		Sd/Sc	297-M
35-984	35-984-BU	12	20	1/2	1/4			0.380	0.190	0.047	2.5-9 (60-255)	Lever	2.50	Sd/Sc	297-J
35-987	35-987-BU	16	15					0.280	0.157	0.327	3.5 (100)	Ro	1.05	Sc	297-N
35-3903	35-3903-BU	13	20	1/2	1/4	3/4	1 1/2	0.020	0.055	0.002	12.3 (350)	SP		Sc	297-K
35-3904	35-3904-BU	17	20	1/2	1/4	1/2	1	0.158	0.062	0.050	5.3 (150)	LL	1.95	Sc	297-H
35-3906	35-3906-BU	16	20	1/2	1/4	1	2	0.156	0.062	0.050	5-13 (142-370)	LRO	1.78	Sc	297-O

Notes: All of the above have momentary action
*DPDT
**125/250VAC
All have SPDT, but 35-990 & 35-992

DT=Differential Travel
HP=Horse Power
HRO=Hinged Roller
LRO=Leaf Rollers
LL=Leaf Lever

OF=Operating Force
OT=Over Travel
Pb=Pushbuttons
PI=Plunger

PT=Pre-Travel
QC=Quick Connect
RP=Roller Plunger
Sc=Screw

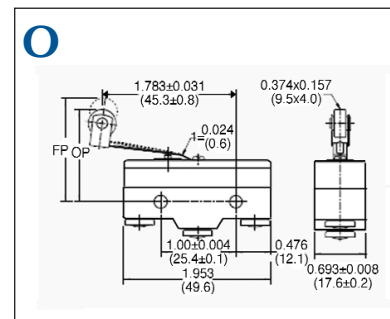
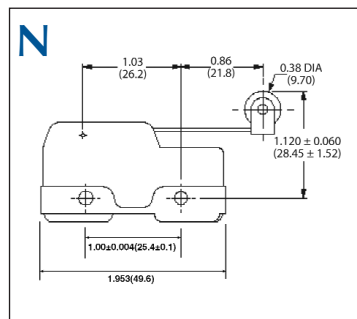
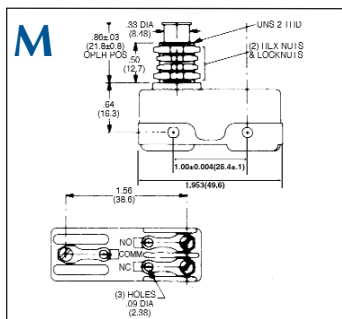
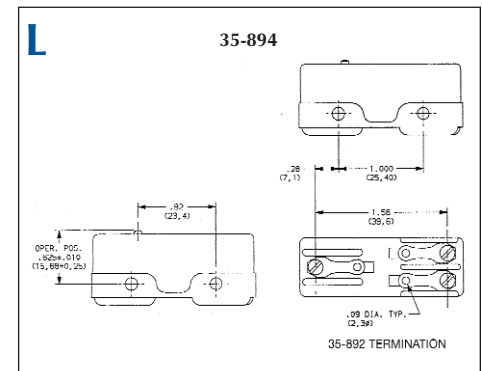
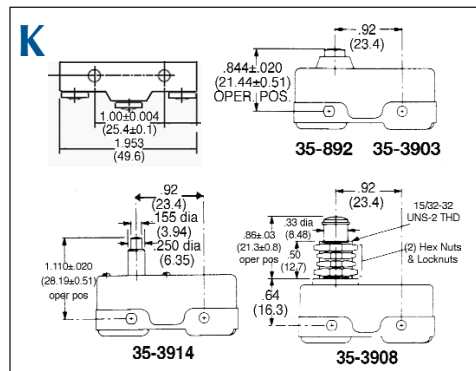
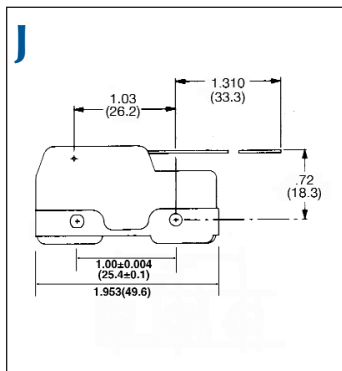
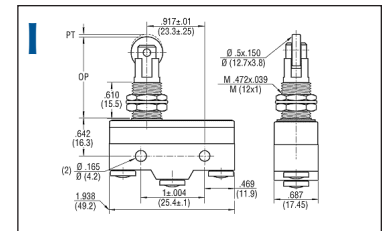
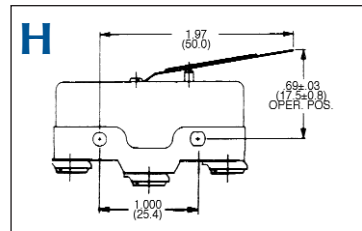
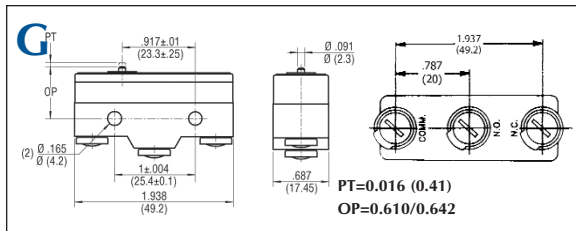
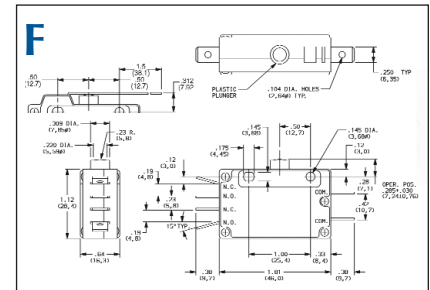
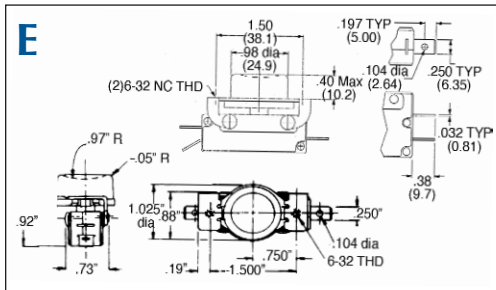
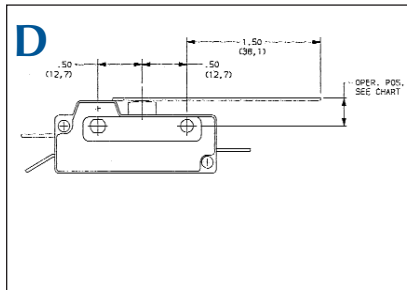
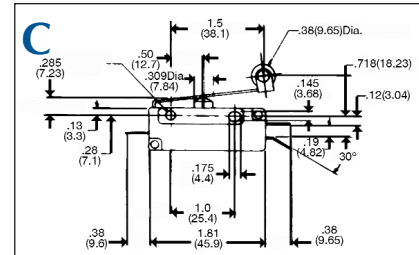
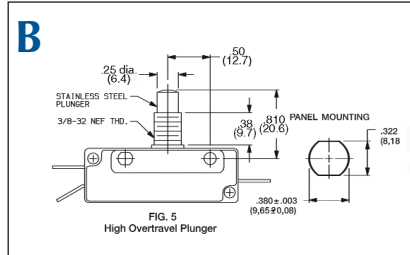
Sd=Solder
ShRo=Short Roller
SP=Stub Plunger
PP=Pin Plunger
Ro=Roller

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

GCETM ELECTRONICS

Technical drawing of a mechanical part (Fig. 1) showing dimensions and tolerances. The drawing includes a top view and a side view. The top view shows a rectangular part with a central rectangular feature. The side view shows the profile of the part. Dimensions and tolerances are indicated as follows:

- Top view dimensions: $\pm .50$ and $(12, 7)$.
- Side view dimension: $OPFR. POS. : 265 \pm .030$ and $(7, 24 \pm 0, 76)$.



GENERAL PURPOSE SNAP ACTION (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Retail Part No.	Bulk Part No.	Fig. No.	Amps **VAC	Amps 125 VDC	Amps 250 VDC	HP 125 VAC	HP 250 VAC	PT Max. (In)	OT Min. (In)	DT Max. (In)	OF Max. Oz. (grams)	Actuator	Actuator Length (In)	Terminal Type	Spec Drawing Page No.
35-3908	35-3908-BU	1	20	1/2	1/4	3/4	1-1/2	0.025	0.22	0.002	20 (567)	High OT Pl		Sc	299-A
35-3914	35-3914-BU	2	20	1/2	1/4	3/4	1-1/2	0.020	0.062	0.002	13 (368)	Small OT Pl		Sc	299-A
35-3916	35-3916-BU	3	20	1/2	1/4	3/4	1-1/2	0.380	0.190	0.078	2.5-18 (71-510)	Lever	2.34	Sc	299-B
35-3921	35-3921-BU	4	20	1/2	1/4	N/R	N/R	0.080	0.090	0.008	10-13 (284-370)	RARO	0.65	Sd/Sc	299-C
35-3922	35-3922-BU	5	20	1/2	1/4	1/2	1		0.094	0.020	18 (510)	HRO	0.91	Sc	299-D

Notes: All of the above have momentary action
 **125/250/480VAC
 All have SPDT

DT=Differential Travel
 HP=Horse Power
 HRO=Hinged Roller
 LRo=Leaf Rollers
 LL=Leaf Lever

OF=Operating Force
 OT=Over Travel
 Pb=Pushbuttons
 Pl.=Plunger

PT=Pre-Travel
 QC=Quick Connect
 RP=Roller Plunger
 Sc=Screw
 RARO=Reverse Action Roller

Sd=Solder
 SP=Stub Plunger
 PP=Pin Plunger
 Ro=Roller

KEYLOCK SWITCHES



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11

Retail Part No.	Bulk Part No.	Fig. No.	Poles/Throws	Amps 125 VAC	Action	Index	Lock Type	Key Removal	Actuator	Terminal Type	Mounting Hole (In)	Hardware	Spec Drawing Page No.
35-196	35-196-BU	6	SPST	2.5*	On/Off	90°	5 disk tumbler	2 Pos.	Metal Key††	Sc	0.875	***	299-E
35-3190	35-3190-BU	7	SPDT	4	On/On	90°	4 tumbler w/detent	2 Pos.	Metal Key†	Sd Lug	0.760 x 0.640	N, 2Keys	299-G
35-3192	35-3192-BU	7	DPDT	4	On/On	90°	4 tumbler w/detent	2 Pos.	Metal Key†	Sd Lug	0.760	N, 2Keys	299-G
35-3193	35-3193-BU	8	SPDT	4	On/On	90°	6 tumbler w/tube lock	2 Pos.	Metal Barrel Key†	6" WL	0.760 x 0.640	N, 2Keys	299-H
35-3194	35-3194-BU	8	SPDT	4	On/On	90°	6 tumbler w/tube lock	1 Pos.	Metal Barrel Key†	6" WL	0.760 x 0.640	N, 2Keys	299-H
35-3195	35-3195-BU	9	SPDT	4	On(On)	45°	4 tumbler	1 Pos.	Metal Key†	6" WL	0.760 x 0.640	N, 2Keys	299-F
35-3197	35-3197-BU	10	SPDT	4	**	45°	4 tumbler	1 Pos.	Metal Key†	Sd Lug	0.760 x 0.640	N, 2Keys	299-G
35-3482		11	SPDT	****	Off/On(On)	90°	5 tumbler	1 Pos.	Metal Key†	Sc	0.844	N, 2Keys	299-I

Notes: *Rated @ 2.5Amps 120VAC (480V.A.)

**SP: 3 pos. On1 - Off - On2

***Nut, 2 Screws, Ring, and 2 Keys

35-196 is rated @ 2.5A @120VAC (480V.A.),

2.1amps @46VDC (96V.A.), all of the rest are rated

@ 2A @250VAC/4A @ 28VDC, except 35-3482

****35-3482 is rated @ 15A 6-12VDC-2 Position SPDT

Keys(2) included in Hardware

N=Nut

Pos.=Positions

Sc=Screw

Sd=Solder

WL=Wire Leads

†=All keyed alike per figure

††=For 35-196 switches all keyed alike order:

Key#530=35-530-BU

Key#531=35-531-BU

Key#540=35-540-BU

Key#541=35-541-BU

Key#550=35-550-BU

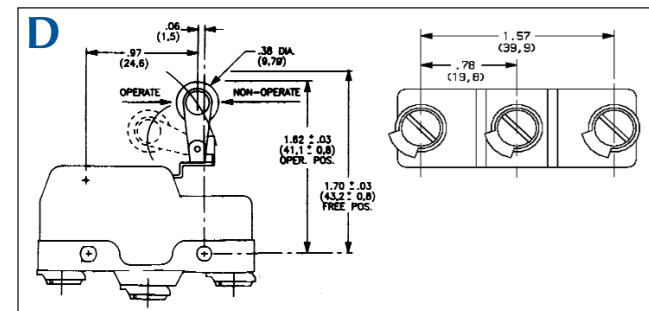
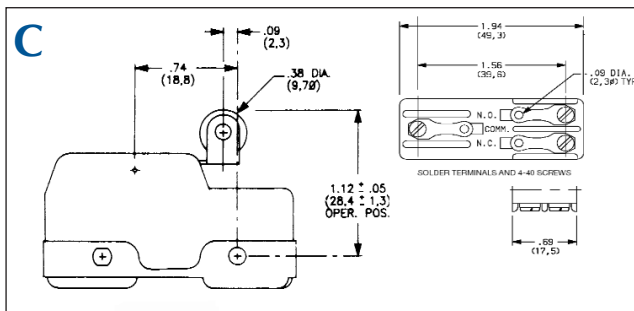
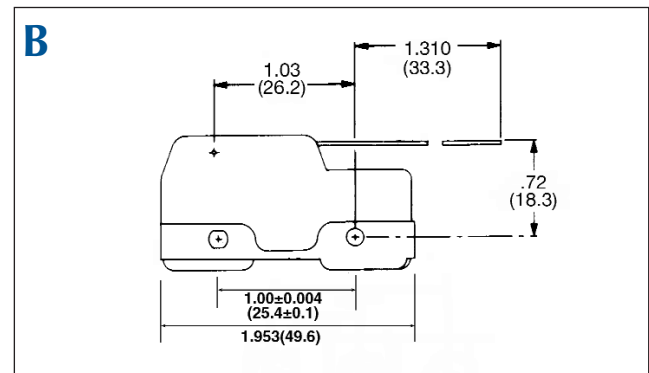
Key#553=35-553-BU

#1110801 Keys for 35-3193 & 35-3194

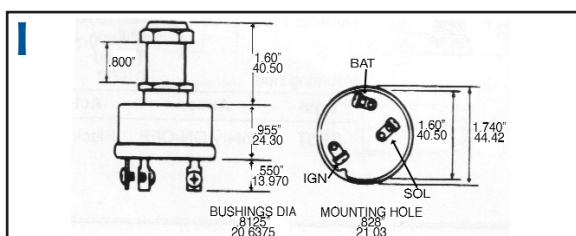
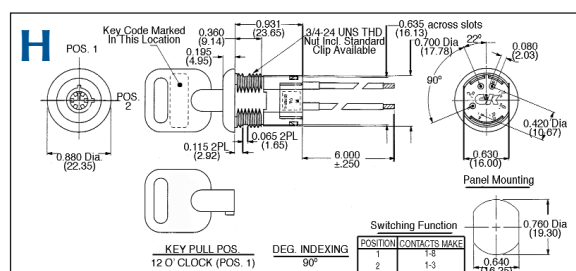
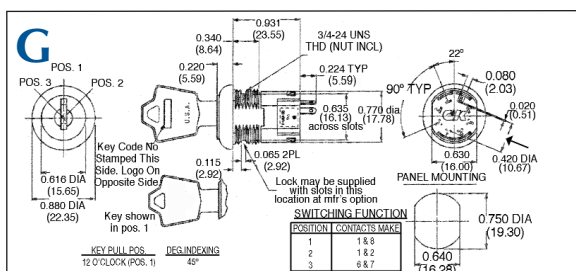
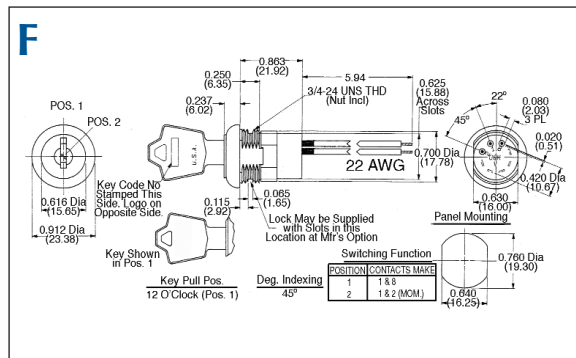
#115140126 Keys for 35-3190, 35-3192, 35-3195 & 35-3197

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

GCETM ELECTRONICS



Technical drawings of a 3/4-24 THD Rod Head Cam Lock. The top drawing shows a side view with dimensions: 1.68 (42.8) for the total length, .75 (19) for the threaded section, .906 (23) for the cam length, .03 (76) for the cam offset, and .625 (15.8) for the cam diameter. The bottom drawing shows a front view with dimensions: .875 (22.2) for the cam diameter, .162 (4.11) for the cam offset, and A and B for the cam length and offset respectively.



ROTARY SWITCHES



Fig. 1



Fig. 2



Fig. 3

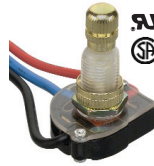


Fig. 4



Fig. 5



Fig. 6



Fig. 7

Retail Part No.	Bulk Part No.	Fig. No.	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Action	Actuator	Terminal Type	Mounting Style	Mounting Hole (In)	Hardware	Spec Drawing Page No.
35-859	35-859-BU	1	SPST	3	1.5	On/Off	White Plastic	6" Wire Leads	Snap-In	0.500		301-A
35-855	35-855-BU	2	SPST	6	3	On/Off	Brass Knob	6" Wire Leads	Threaded Bushing	0.375	KN, FN	301-B
35-856	35-856-BU	3	SPST	6	3	On/Off	Black Plastic	6" Wire Leads	Threaded Bushing	0.375	N, FN	301-C
35-1857	35-1857-BU	4	SP3T	6	3	Off/On/On/On	Brass Knob	6" Wire Leads	Threaded Bushing	0.375	N, FN	301-D

Retail Part No.	Bulk Part No.	Fig. No.	Amps (Cont.)	Amps 125 VAC	Amps 125 VDC	Positions	Poles	Index	Actuator	Terminal Type	Mounting Style	Mounting Hole (In)	Hardware	Spec Drawing Page No.
35-375	35-375-BU	5		0.3†		6	2	30°	1/4" Metal	Sd Eyelet	Shorting	0.375	N, LR	301-E
35-376	35-376-BU	5		0.3†		12	1	30°	1/4" Metal	Sd Eyelet	Shorting	0.375	N, LR	301-E
35-377	35-377-BU	5				5	2	30°	1/4" Metal	Sd Eyelet	Non-Shorting	0.375	N, LR	301-E
35-378	35-378-BU	5		0.3†		3	3	30°	1/4" Metal	Sd Eyelet	Non-Shorting	0.375	N, LR	301-E
35-379	35-379-BU	5		0.3†		4	3	30°	1/4" Metal	Sd Eyelet	Shorting	0.375	N, LR	301-E
35-1212		6	6	250mA*		12 No Stop	1	30°	1/2" Metal	Sd Eyelet	Non-Shorting	0.250	N, LR, W	301-F
35-1226		6	6	250mA*		6 No Stop	2	30°	1/2" Metal	Sd Eyelet	Non-Shorting	0.250	N, LR, W	301-F
35-1306		7	5	2.5	350mA	6	1	30°	1/4" Plastic	Sd Lug	Non-Shorting	0.386	N, LR	301-G
35-1312		7	5	2.5	350mA	12 No Stop	1	30°	1/4" Plastic	Sd Lug	Non-Shorting	0.386	N, LR	301-G
35-1314		7	5	2.5	350mA	12	1	30°	1/4" Plastic	Sd Lug	Non-Shorting	0.386	N, LR, StR	301-G
35-1324		7	5	2.5	350mA	4	2	30°	1/4" Plastic	Sd Lug	Non-Shorting	0.386	N, LR	301-G
35-1334		7	5	2.5	350mA	4	3	30°	1/4" Plastic	Sd Lug	Non-Shorting	0.386	N, LR	301-G
35-1343		7	5	2.5	350mA	3	4	30°	1/4" Plastic	Sd Lug	Non-Shorting	0.386	N, LR	301-G
35-1323		7	5	2.5	350mA	8	1	45°	1/4" Plastic	Sd Lug	Non-Shorting	0.386	N, LR, StR	301-G

Notes: *Or 28VDC
Adj.=Adjustable Stop
†=Or 30V DC
Non-Shorting=break before make

FN=Face Nut
KN=Knurled Nut
LR=Locking Ring
N=Nut

Sd=Solder
StR=Stop Ring
W=Washer

SLIDE SWITCHES

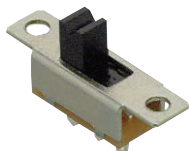


Fig. 8

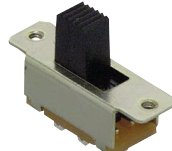


Fig. 9

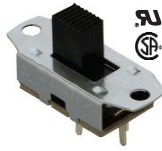


Fig. 10

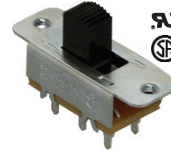


Fig. 11

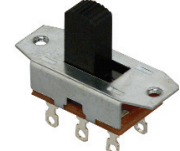


Fig. 12

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Funct.	Poles & Throws	Amps 125 VAC	Amps 250 VAC	Amps 30 VAC	Amps 125 VDC	Actuator Style	Terminal Type	Mounting Style	Spec Drawing Page No.
35-202	35-202-BU	8	On/On	SPDT			0.30	1/2	Black Plastic	Solder Lug	Surface	301-H
35-204	35-204-BU	9	On/On	DPDT			3	1/2	Black Plastic	Solder Lug	Surface	301-I
35-210	35-210-BU	10	On/On	SPDT	6				Black Plastic	Printed Circuit Board Lug	Surface	301-J
35-222	35-222-BU	11	On/On	DPDT	6	3			Black Plastic	Printed Circuit Board Lug	Surface	301-K
35-242	35-242-BU	12	On/On	DPDT	11				Black Plastic	Solder Lug	Surface	301-L

Retail Part No.	Bulk Part No.	Fig. No.	Number of Positions	Profile	Spec Drawing Page No.
35-953		13	4	Side Actuated	301-M
35-957		13	8	Side Actuated	301-M
35-961	35-961-BU	14	1	Standard	301-N
35-962		14	2	Standard	301-N
35-963		14	3	Standard	301-N
35-964	35-964-BU	14	4	Standard	301-N
35-965		14	5	Standard	301-N
35-966	35-966-BU	14	6	Standard	301-N
35-967		14	7	Standard	301-N
35-968	35-968-BU	14	8	Standard	301-N
35-969		14	9	Standard	301-N
35-970	35-970-BU	14	10	Standard	301-N
35-974		14	12	Standard	301-N
35-971		15	8	Right Angle	301-N

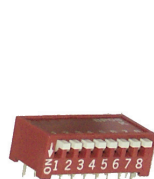


Fig. 13

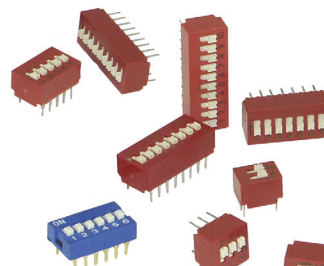


Fig. 14

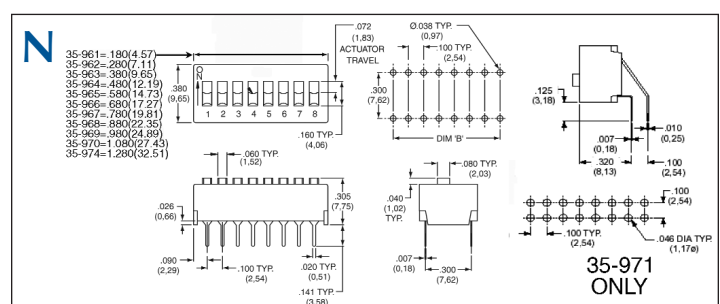
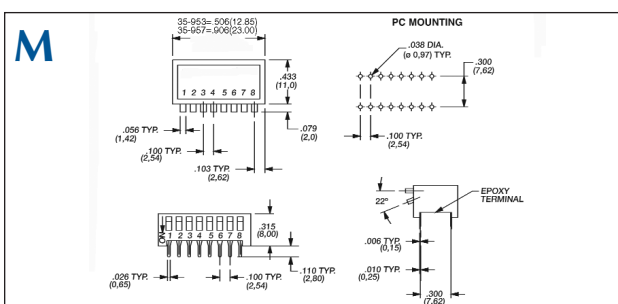
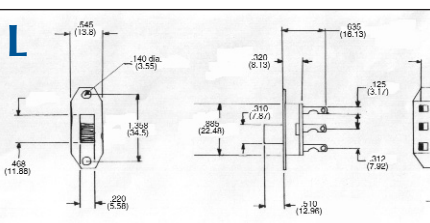
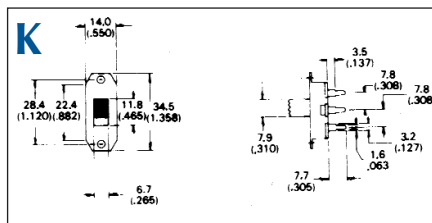
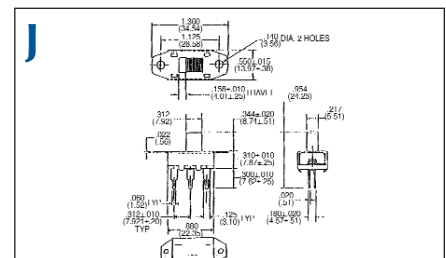
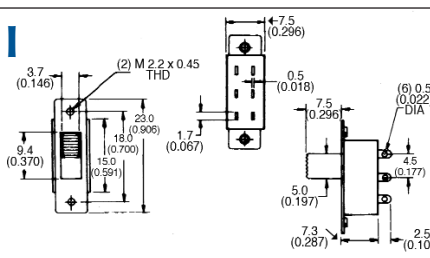
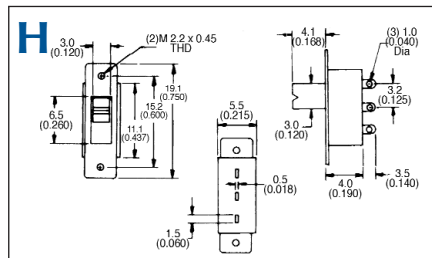
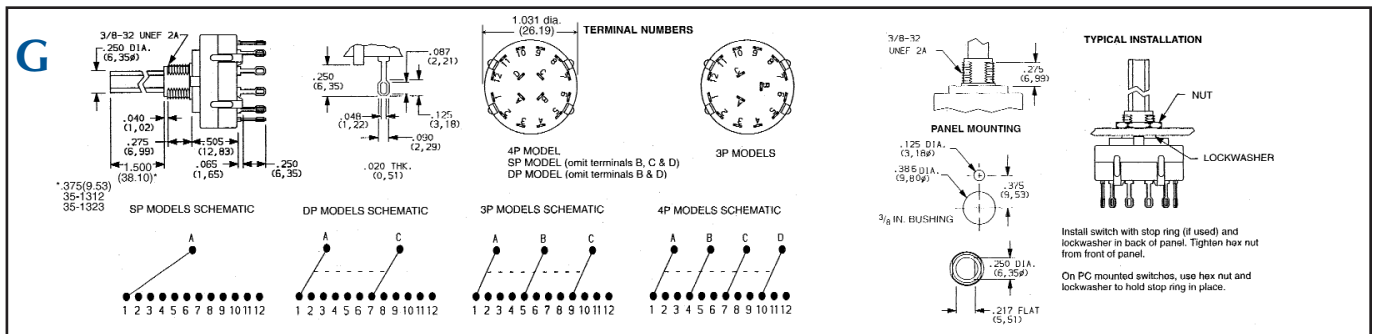
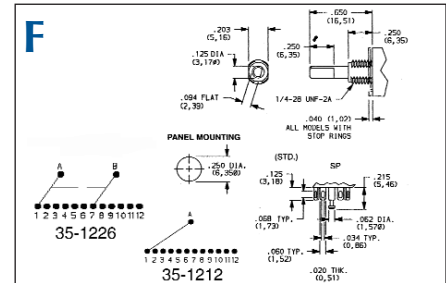
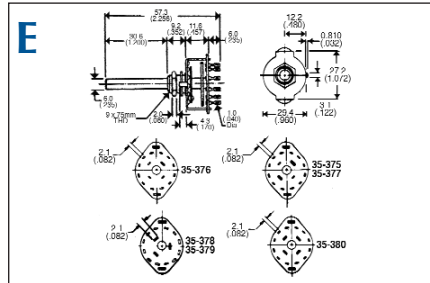
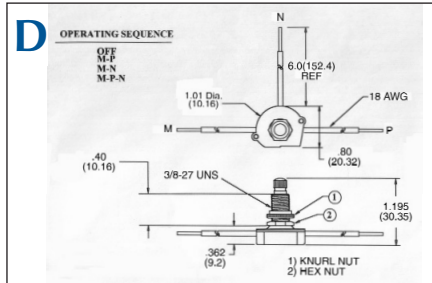
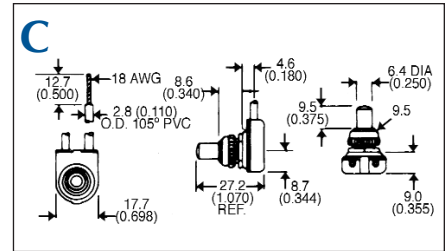
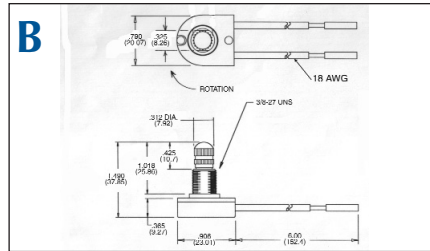


Fig. 15

Rating:
100mA@50Vdc (carry)
100mA@5Vdc
25mA@25Vdc

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

GCETM ELECTRONICS

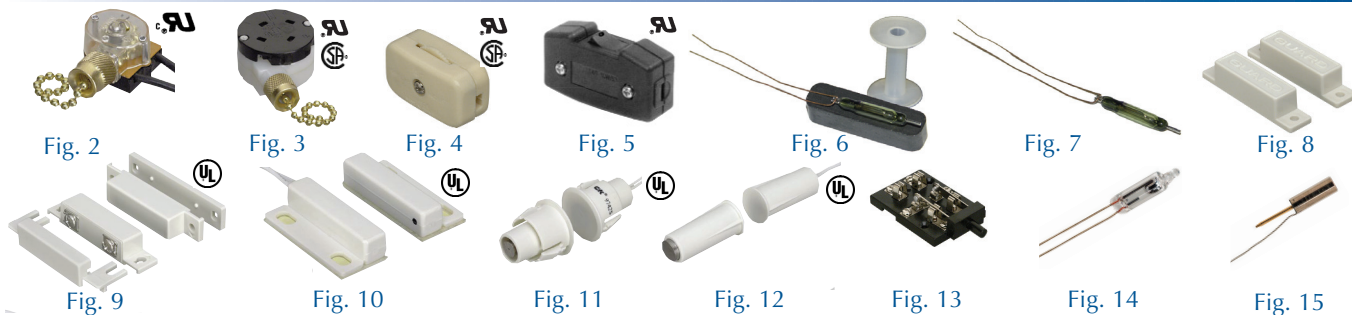
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Retail Part No.	Bulk Part No.	Fig. No.	Amps 125/250 VAC/32VDC	Actuator	Mounting Hole	Hardware	Spec Drawing Page No.
35-2103	35-2103-BU	1	3	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2104	35-2104-BU	1	4	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2105	35-2105-BU	1	5	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2106	35-2106-BU	1	6	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2107	35-2107-BU	1	7	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2108	35-2108-BU	1	8	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2110	35-2110-BU	1	10	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2112	35-2112-BU	1	12	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2115	35-2115-BU	1	15	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2120	35-2120-BU	1	20	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2125	35-2125-BU	1	25	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2130	35-2130-BU	1	30	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2135	35-2135-BU	1	35	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A
35-2140	35-2140-BU	1	40	Black Plastic Button	0.450"	Nut, Knurling Nut; ID Plate	303-A



Fig. 1

SPECIALTY SWITCHES



Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles & Throws	Amps 125 VAC	Amps 250 VAC	Actuator	Terminal Style	Body Color	Spec Drawing Page No.
35-864	35-864-BU	2	On Off	SPST	6	3	3-1/2" Pull Chain	6" Wire Leads		303-B
35-865	35-865-BU	3	Off 1-On 2-On	SPDT^	6	3	3-15/16" Pull Chain	Push-in	Purple	303-C
35-867	35-867-BU	3	Off 1-On 2-On 3-On	SP3T	6	3	3-3/4" Pull Chain	Push-in	White	303-D
35-849	35-849-BU	4	On Off	SPST	6	3	Thumbwheel	Insulation Piercing	White Plastic	303-E
35-853	35-853-BU	4	On Off	SPST	6	3	Thumbwheel	Insulation Piercing	Black Plastic	303-E
35-1851	35-1851-BU	5	On Off	SPST	6*		Rocker	Solder	Black Plastic	303-F

Retail Part No.	Bulk Part No.	Fig. No.	Action	Poles & Throws	Amps 20 VAC/DC	Amps 120 VAC	Amps 80 VDC	Actuator	Terminal Type	Mounting Type	Gap	Spec Drawing Page No.
35-752		6	NO or NC	SPDT	†	††	N/A	Magnet Incl.	Leaded Sd			303-G
	35-753-BU	7	NO or NC	SPDT	†	††	N/A	Need Magnet	Leaded Sd			303-G
35-750	35-750-BU	8	NO w/o Magnet	SPST	N/A	.5	.25**	Magnet Incl.	Screw	Surface	1.18"	303-H
35-756	35-756-BU	8	NO or NC	SPDT	0.015	0.025	0.0375	Magnet Incl.	Screw	Surface	0.250"	303-H

Retail Part No.	Bulk Part No.	Fig. No.	Action	Poles & Throws	Amps 30 VAC	Amps 120 VAC	Watts 30 VDC	Actuator	Terminal Type	Mounting Type	Gap	Spec Drawing Page No.
35-751		9	NO w/o magnet	SPST	0.3		3	Need Magnet	Screw	Terminal Surface	1.250"	303-I
35-754		10	NO w/o magnet	SPST	0.3		3	Magnet Incl.	Side WL	Submin. Surface	1.000"	303-J
35-761		11	NO w/o magnet	SPST	0.3		3	Magnet Incl.	WL	Recessed, 3/4" dia.	1.250"	303-K
35-762		12	NO w/o magnet	SPST	0.3		3	Magnet Incl.	WL	Recessed, 3/8" dia.	1.250"	303-L

Retail Part No.	Bulk Part No.	Fig. No.	Action	Poles & Throws	Amps 6 VDC	Amps 125 VAC	Tilt Angle	Actuator	Terminal Type	Mounting Type	Mounting Holes	Spec Drawing Page No.
35-730	35-730-BU	13	On Off On	DPDT	1/2			Plastic Handle	Screw		3.40 mm	303-M
35-763	35-763-BU	14	NO or NC	SPST		***	15°	Mercury	Leads			303-N
35-764	35-764-BU	15	NO or NC	SPST		1/2	15°	Int. Metal Ball	Leads			303-O

Notes: *Rated 6Amps@120VAC ^=3 Position WL= Wire Lead(s) Int.=Internal
 **100VDC Incl.=Included †=0.2 Amps@120VDC Max., 4 Watts max.
 Sd=Solder 35-752 contains switch, magnet & coil form. 35-753-BU contains switch only

***Rated 0.01A 120VAC, 450mA 1.5VDC, 20mA 50VDC
 NO/NC=Normally Open or Normally Closed
 ††=Ampere turns=15-90

Retail Part No.	Bulk Part No.	Fig. No.	Description
35-060	35-060-BU	16	Bat Handle Toggle Switch Boot--Thread size: 15/32-32. (see p.303-P)
35-063	35-063-BU	17	Bat Handle Mini Toggle Switch Boot (Rubber Head) 1/4" Bushing
	35-061-BU	18	Standard On/Off Switch ID Plate Fits 15/32 bushings--10 pack only
	35-2100-BU	19	Circuit Breaker Plate--10 pack only
35-436		20	Pushbutton Caps--1each Red and Black (see 35-430 & 35-432)
	35-437-BU	20	Pushbutton Caps--10 pack Red (see page 300)
	35-438-BU	20	Pushbutton Caps--10 pack Black (see page 300)
	35-758-BU	21	Magnet Only



Fig. 16



Fig. 17



Fig. 18



Fig. 19

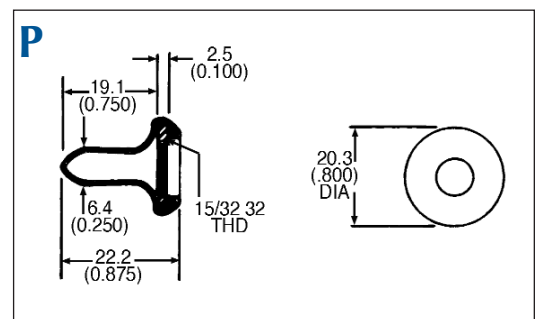
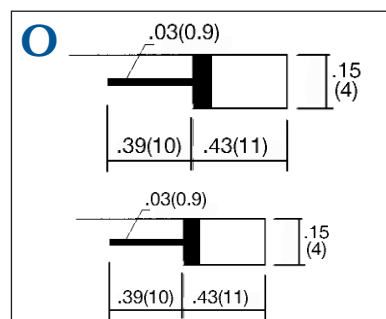
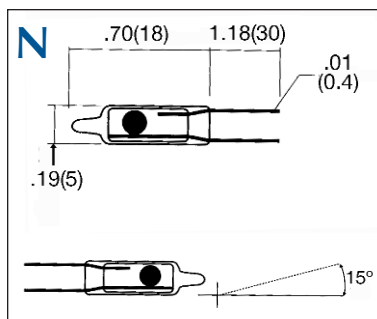
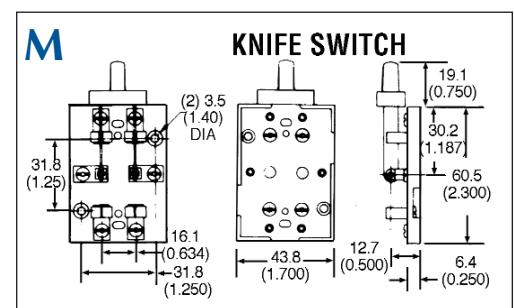
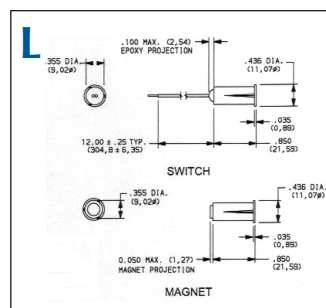
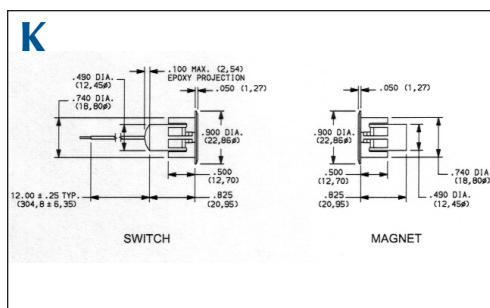
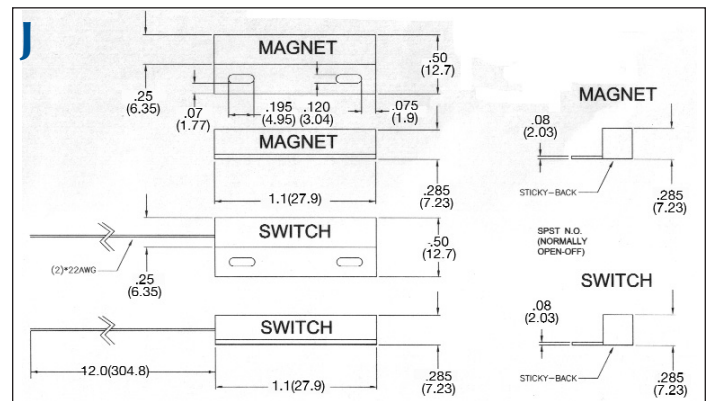
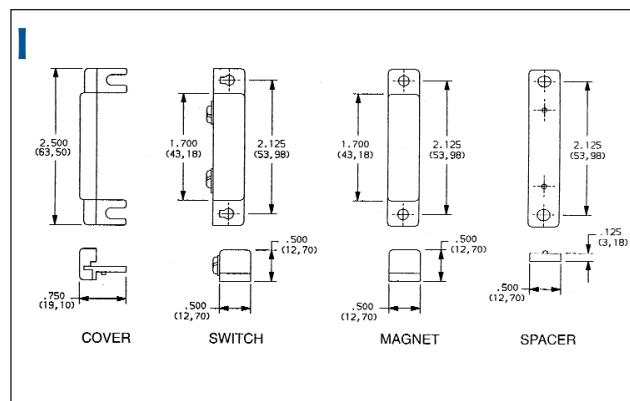
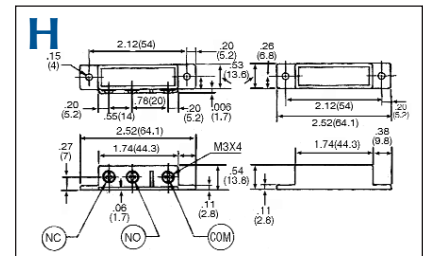
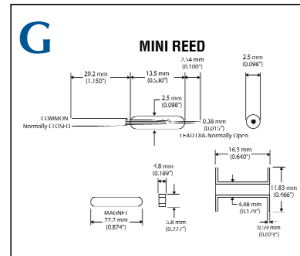
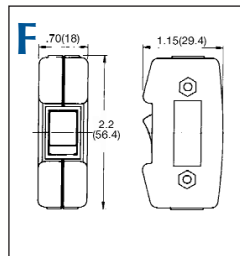
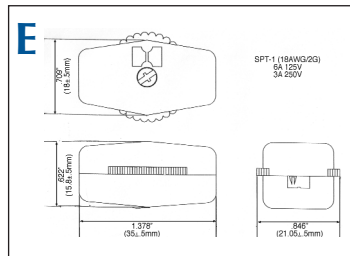
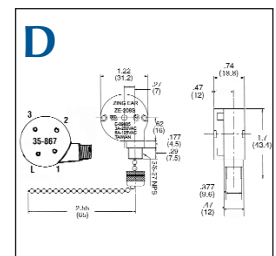
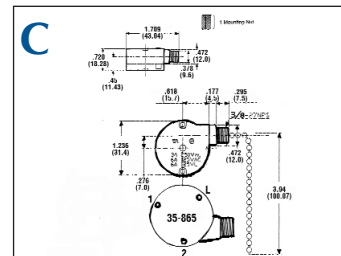
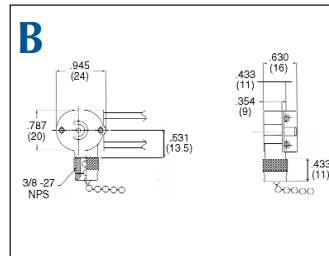
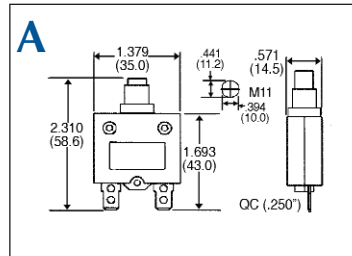


Fig. 20



Fig. 21

CIRCUIT BREAKERS & SPECIALTY SWITCHES (Cont.)

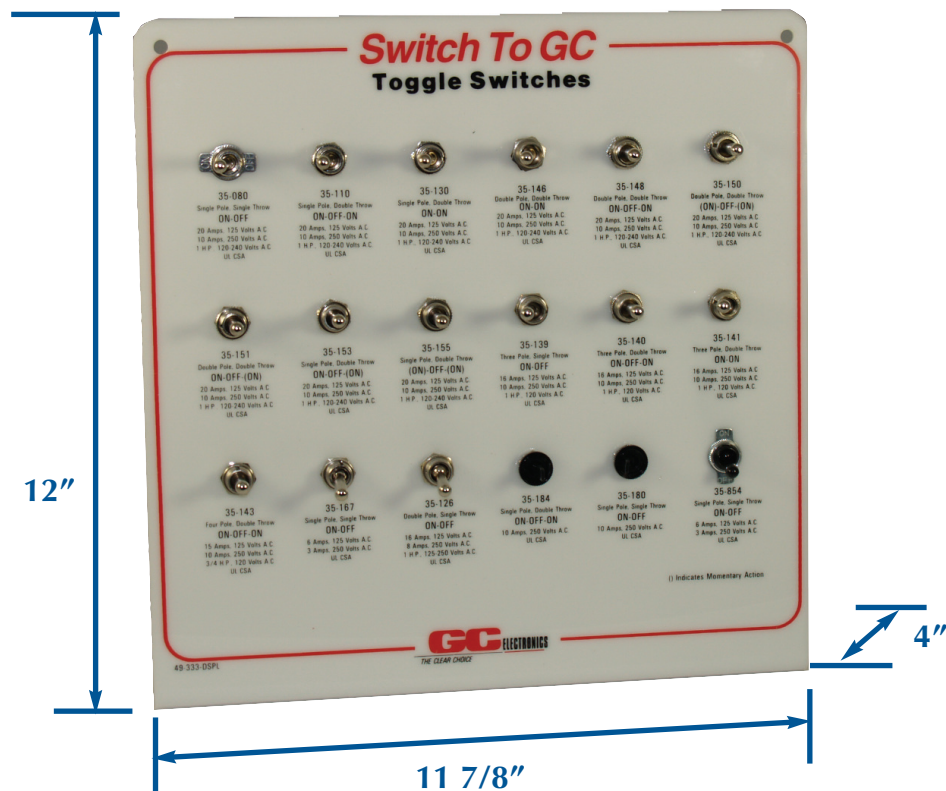


BULK SWITCH PROGRAMS

- Bulk Toggle Switch Program 49-333
- 18 Switch Part Numbers
- Countertop Program
- Toggle Switches

Program Contents

Retail Part No.	Program Quantity	Package Quantity	Description
35-080-BU	1	10	On-Off Heavy Duty Toggle
35-110-BU	1	10	On-Off-On Toggle
35-126-BU	1	10	DPST On-Off Bat Toggle
35-130-BU	1	10	SPDT On-On Toggle-20A
35-139-BU	1	10	3PST On-Off Heavy Duty AC/DC Toggle
35-140-BU	1	10	3PDT On-Off-On Toggle
35-141-BU	1	10	3PDT On-On Toggle
35-143-BU	1	10	4PDT On-Off-On AC Toggle
35-146-BU	1	10	DPDT On-On Heavy Toggle
35-148-BU	1	10	DPDT On-Off-On Heavy Duty Toggle
35-150-BU	1	10	DPDT (On)-Off-(On) Bat Toggle
35-151-BU	1	10	DPDT On-Off-(On) Heavy Duty Toggle
35-153-BU	1	10	SPDT On-Off-(On) Heavy Duty Bat Toggle
35-155-BU	1	10	SPDT (On)-Off-(On) Bat Toggle
35-167-BU	1	10	SPST On-Off Medium Duty Bat Toggle
35-180-BU	1	10	SPST On-Off Black Paddle Toggle
35-184-BU	1	10	SPDT On-Off-On Paddle Toggle
35-854-BU	1	10	SPST On-Off Bat Appliance
49-333-DSPL	1	1	Display
GC-PK-7684	1	1	Packing List



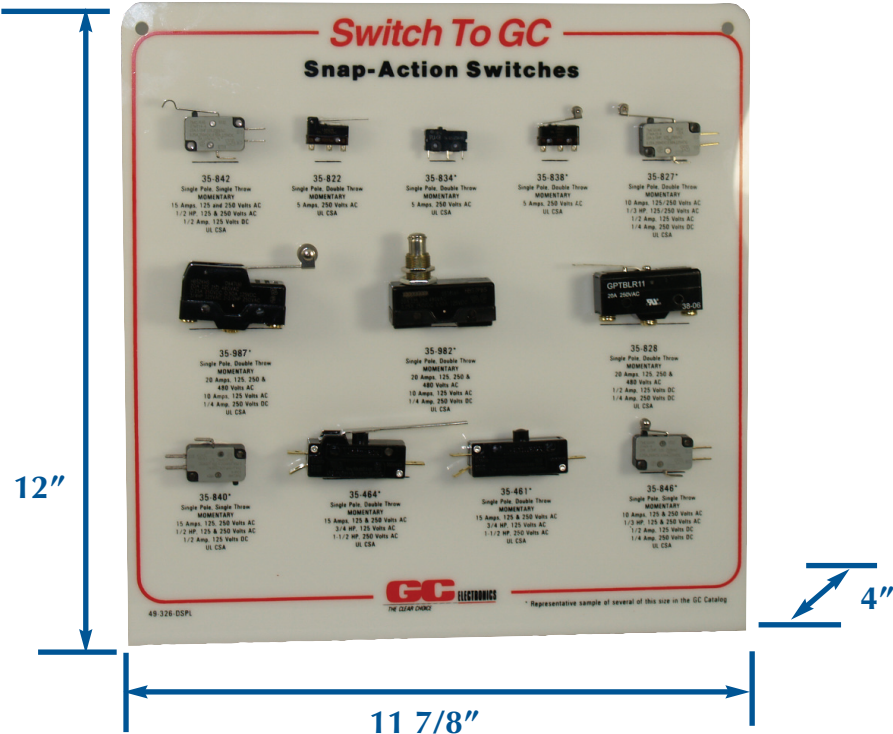
Display Part No. 49-333-DSPL

SWITCH PROGRAMS

- Bulk Snap Action Switch Program 49-356
- 12 Switch Part Numbers (All SPDT)
- Countertop Program
- Snap Action Switches

Program Contents

Retail Part No.	Program Quantity	Package Quantity	Description
35-461-BU	1	10	Snap Action
35-464-BU	1	10	General Momentary Lever Snap Action
35-822-BU	1	10	Snap Action
35-827-BU	1	10	Mini Snap Action w/Roller-10A
35-828-BU	1	10	Snap Action
35-834-BU	1	10	Plunger Micro Action
35-838-BU	1	10	Roller Micro Action
35-840-BU	1	10	Snap Action
35-842-BU	1	10	Mini Snap Action, Mom. Standard Roller
35-846-BU	1	10	Snap Action
35-982-BU	1	10	Heavy Duty Pushbutton
35-987-BU	1	10	General Purpose Snap Action
49-326-DSPL	1	1	Display
GC-PK-7671	1	1	Packing List



Display Part No. 49-326-DSPL

SWITCH PROGRAMS (Cont.)

- Bulk Rocker Switch Program 49-362
- 18 Switch Part Numbers
- Countertop Program
- Rocker Switches

Program Contents

Retail Part No.	Program Quantity	Package Quantity	Description
35-604-BU	1	10	SPDT Mini Rocker
35-605-BU	1	10	SPST Mini On-Off Rocker
35-620-BU	1	10	DPST On-Off Rocker
35-621-BU	1	10	SPST Mini Lighted Rocker
35-648-BU	1	10	DPDT On-On Mini Rocker
35-654-BU	1	10	DPST On-Off Rocker
35-655-BU	1	10	DPST On-Off Rocker
35-656-BU	1	10	SPST On-Off Rocker
35-662-BU	1	10	SPST 12V Lighted Rocker-Amber
35-664-BU	1	10	SPST 12V Lighted Rocker-Green
35-680-BU	1	10	SPST On-Off Rocker
35-681-BU	1	10	SPST LED Rocker
35-682-BU	1	10	SPST Rocker w/LED-Red
35-684-BU	1	10	SPST On-Off LED Rocker
35-686-BU	1	10	DPST On-Off Lighted Rocker
35-688-BU	1	10	SPST On-Off Snap-in Rocker
35-689-BU	1	10	SPST Lighted Rocker Switch
35-691-BU	1	10	SPST On-Off Rocker
49-332-DSPL	1	1	Display
GC-PK-7673	1	1	Packing List



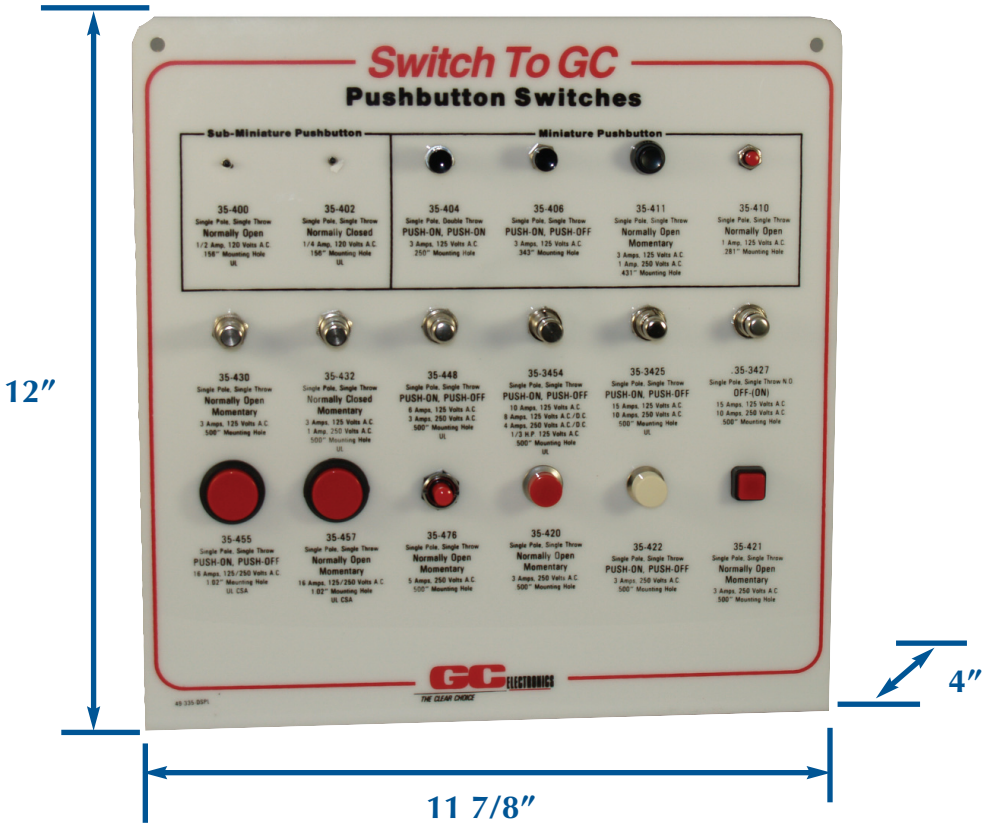
Display Part No. 49-332-DSPL

SWITCH PROGRAMS (Cont.)

- Bulk Pushbutton Switch Program 49-363
- 18 Switch Part Numbers
- Countertop Program
- Pushbutton Switches

Program Contents

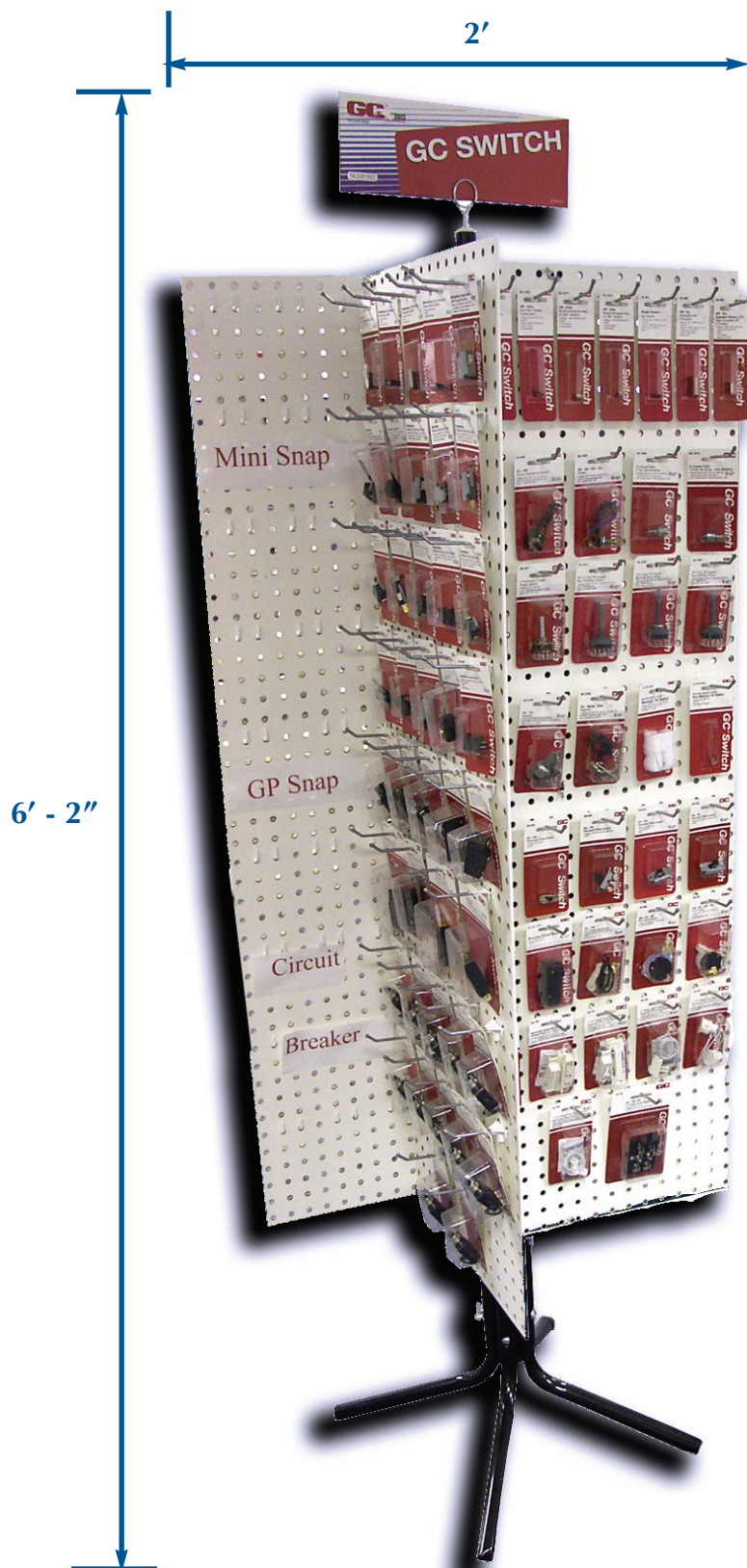
Retail Part No.	Program Quantity	Package Quantity	Description
35-400-BU	1	10	SPST Pushbutton
35-402-BU	1	10	SPST Pushbutton
35-404-BU	1	10	SPDT Pushbutton
35-406-BU	1	10	SPST Pushbutton
35-410-BU	1	10	SPST N.O. Pushbutton
35-411-BU	1	10	SPST N.O. Pushbutton
35-420-BU	1	10	SPST Pushbutton
35-421-BU	1	10	SPST N.O. Pushbutton
35-422-BU	1	10	SPST On-Off Pushbutton
35-430-BU	1	10	SPST Metal Pushbutton
35-432-BU	1	10	SPST N.C. Pushbutton
35-448-BU	1	10	SPST On-Off Metal Pushbutton
35-455-BU	1	10	SPST On-Off Large Pushbutton
35-457-BU	1	10	SPST N.O. Pushbutton
35-476-BU	1	10	SPST (On)-Off Pushbutton
35-3425-BU	1	10	SPST Pushbutton
35-3427-BU	1	10	SPST AC Pushbutton
35-3454-BU	1	10	SPST N.C. Push On/Off Pushbutton
49-335-DSPL	1	1	Display
GC-PK-7675	1	1	Packing List



Display Part No. 49-335-DSPL

SWITCH PROGRAMS (Cont.)

- Spinner Switch Program 49-361
- 170 Switch Part Numbers
- 2' Display
- Snap Action, Toggle, Rotary, Pushbutton, Rocker Switches, Circuit Breakers



Display Rack Part No. 49-361

SWITCH PROGRAMS (Cont.)

Spinner Switch Program 49-361

Program Contents

Retail Part No.	Quantity per Program	Description
35-000	2	SPST On-Off Submin Bat Toggle-3A
35-001	2	SPDT On-On Submin Bat Toggle-3A
35-002	2	DPDT On-On Submin Bat Toggle-3A
35-003	2	SPDT On-(On) Min Bat Toggle-5A
35-004	2	SPDT On-On Min Bat Toggle-5A
35-005	2	SPDT On-Off-On Min Bat Toggle-5A
35-006	2	SPST On-Off Min Bat Toggle w/Boot
35-007	2	SPDT On-Off-(On) Min Bat Toggle
35-008	2	SPDT (On)-Off-(On) Min Bat Toggle
35-009	2	DPDT On-On-On Min Bat Toggle-5A
35-010	2	DPDT On-On Min Bat Toggle-5A
35-012	2	DPDT On-Off-On Min Bat Toggle
35-018	2	DPDT (On)-Off-(On) Min Bat Toggle
35-024	2	3PDT On-On Min Bat Toggle-5A
35-036	2	4PDT On-On Min Bat Toggle-5A
35-060	2	Bat Toggle Switch Boot
35-064	2	SPST On-Off Med. Duty Bat Toggle
35-078	2	SPST On-Off Heavy Duty Bat Toggle
35-080	2	SPST On-Off Heavy Duty Bat Toggle
35-090	2	SPST On- Off Lighted Paddle-Red
35-110	2	SPDT On-Off-On Heavy Duty Toggle
35-119	2	SPST On-Off Toggle-10A
35-126	2	DPST On-Off Heavy Duty Bat Toggle
35-130	2	SPDT On-On Bat Toggle-20A
35-132	2	DPDT On-On Light Duty Bat Toggle
35-146	2	DPDT On-On HD Bat Toggle
35-148	2	DPDT On-Off-On HD Bat Toggle
35-150	2	DPDT (On)-Off-(On) Bat Toggle
35-151	2	DPDT On-Off-(On) Bat Toggle
35-152	2	DPDT On-On Bat Toggle
35-155	2	SPDT (On)-Off-(On) Bat Toggle
35-160	2	SPST On-Off Med Duty Bat Toggle
35-167	2	SPST On-Off Med Duty Bat Toggle
35-178	2	SPST On-Off Paddle Toggle-20A
35-180	2	SPST On-Off Black Paddle Toggle-10A
35-185	2	DPST On-Off Toggle Switch-20A
35-196	2	SPST On-Off Tumbler Lock w/Keys
35-202	2	SPDT On-On Mini Slide
35-204	2	DPDT On-On Mini Slide-3A 30V
35-210	2	SPDT On-On Standard Slide-6A
35-222	2	DPDT On-On Standard Slide-6A
35-242	2	DPDT On-On Standard Slide-6A
35-376	2	12 Pos., 1/4" Non-Shorting, 0.3A Rotary Switch
35-379	2	4 Pos., 1/4" Non-Shorting, 0.3A Rotary Switch
35-400	2	SPST Submini Pushbutton
35-406	2	SPST On-Off Mini Pushbutton-6A
35-409	2	SPST N.O. (Momentary) Mini Pushbutton-3A
35-410	2	SPST N.O. (Momentary) Red Mini Pushbutton-1A
35-411	2	SPST N.O. (Momentary) Round Black Mini Pushbutton
35-412	2	SPST N.O. (Momentary) Square Black Mini Pushbutton
35-415	2	SPST N.O. (Momentary) Square Red Mini Pushbutton
35-416	2	SPDT N.C. (Momentary) On-(Off) Red Pushbutton
35-420	2	SPST N.O. (Momentary) Round Red Pushbutton-3A
35-421	2	SPST N.O. (Momentary) Square Red Pushbutton-3A
35-422	2	SPST On-Off Round White Pushbutton-3A
35-423	2	SPST N.O. (Momentary) Lg. Round Red Pushbutton-3A
35-430	2	SPST N.O. (Momentary) Metal Pushbutton-6A
35-432	2	SPST N.C. (Momentary) Metal Pushbutton-6A
35-448	2	SPST On-Off Metal Pushbutton-6A
35-449	2	SPST On-Off Metal Pushbutton-6A
35-461	2	SPDT Snap Action with Pushbutton Actuator-15A
35-462	2	SPDT Snap Action with Pushbutton Actuator-15A
35-463	2	SPDT Snap Action with Roller Actuator-15A
35-464	2	SPDT Snap Action with Lever Actuator-15A
35-476	2	SPST (On)-Off Pushbutton w/Red Plastic Actuator
35-602	2	SPDT On-On Mini Rocker-4A
35-605	2	SPST On-Off Mini Black Rocker-8A

Retail Part No.	Quantity per Program	Description
35-620	2	DPST On-Off Snap-in Red Rocker
35-640	2	SPDT On-On Snap Black Rocker-16A
35-642	2	SPST On-Off Mini Power Rocker-10A
35-644	2	SPDT On-On Mini Black Rocker-10A
35-654	2	DPST Rocker On-Off-20A
35-655	2	DPST On-Off Lighted Rocker-20A
35-660	2	SPST On-Off Ltd. Red Lens Snap-in Rocker-30VDC
35-662	2	SPST On-Off Ltd. Amber Lens Snap-in Rocker-16A
35-664	2	SPST On-Off Ltd. Green Lens Snap-in Rocker-15A
35-681	2	SPST On-Off Rocker with Green LED-5A
35-682	2	SPST On-Off Rocker with Red LED-5A
35-686	2	DPST On-Off Lighted Black Rocker-20A
35-688	2	SPST On-off Snap-in with Red Lens
35-689	2	SPST On-Off Red Translucent Snap-in Ltd. Rocker
35-691	2	SPST On-Off Black Rocker
35-693	2	SPST On-Off Black Rocker-16A
35-694	2	SPDT On-Off-On Black Rocker-16A
35-695	2	SPDT (On)-Off-(On) Black Rocker-16A
35-730	2	DPDT On-Off-On Knife Switch-5A
35-751	2	SPST Off-On Proximity Reed Switch
35-752	2	SPDT Mini Reed Kit with Magnet Actuator-0.5A
35-754	2	SPST Off-On Magnetic Reed Side Lead
35-756	2	SPDT Open or Closed Reed with out Magnet
35-761	2	SPST Off-On Reed-Wire Lead
35-762	2	SPST Off-On Reed-Wire Lead
35-763	2	SPST 15 Degree Mercury Tilt-3A
35-764	2	SPST 15 Degree Non-Mercury Tilt
35-822	2	Sub Mini Snap Action, Pivoted Lever Actuator
35-823	2	Mini Snap Action with Pin Actuator-10A
35-824	2	SPDT On-Off Mini Snap Action with Long Lever
35-827	2	Mini Snap Action with Roller-10A
35-834	2	Sub Mini Snap Action with Plunger-5A
35-836	2	Sub Mini Snap Action with Lever Actuator-5A
35-838	2	Sub Mini Snap Action with Roller Actuator-5A
35-840	2	Mini Snap Action with Pin Actuator
35-842	2	Mini Snap Action with Simulated Actuator
35-844	2	Mini Snap Action with Lever-15A
35-846	2	Mini Snap Action with Short Roller Actuator-10A
35-848	2	Mini Snap Action with Roller-15A
35-853	2	SPST on-Off Black Cord
35-854	2	SPST On-Off Bat Appliance Toggle
35-855	2	SPST On-Off Rotary-6A
35-856	2	SPST On-Off Rotary Appliance w/6" Leads-6A
35-864	2	SPST On-Off Pull Chain Appliance-6A
35-865	2	Rotary Off-1On-2On Pull Chain -3A
35-867	2	SP3T Off-On-On-On Pull Chain-3A
35-874	2	SPDT Mini Snap Action w/Roller Action
35-876	2	SPDT Mini Snap Action w/Roller Action
35-878	2	SPDT Mini Snap Action w/Simulated Roller Actuator
35-880	2	SPDT Mini Snap Action with Lever Actuator
35-882	2	SPDT Mini Snap Action with Roller Actuator
35-953	2	SPST 4 Pos. DIP Tape Seal-Side Act
35-961	2	1 Pos. Base DIP
35-968	2	8 Pos. Base DIP
35-982	2	SPDT Precision Snap Action
35-987	2	SPDT Precision Snap Action Roller Actuator-20A
35-992	2	DPDT Snap Action w/Lever-15A
35-1212	2	1 Pole 12 Pos. Rotary Non-Shorting-Panel
35-1226	2	DP-6 Pos. 1/2" Rotary Non-Shorting
35-1314	2	SP 12 Pos. Rotary 30° Non-Shorting-Panel
35-1324	2	DP 4 Pos. Rotary 30° Non-Shorting-Panel
35-1334	2	3P 4 Pos. Rotary 30° Non-Shorting-Panel
35-1411	2	SPST Off-(On) Tactile Key-PCB Mount
35-1412	2	SPST Off-(On) Tactile Key-Surface Mount
35-1451	2	SPST Off-(On) Submin Tact PCB
35-1452	2	SPST Off-(On) Submin Tact PCB
35-1453	2	SPST Off-(On) Submin-Right Angle

SWITCH PROGRAMS (Cont.)

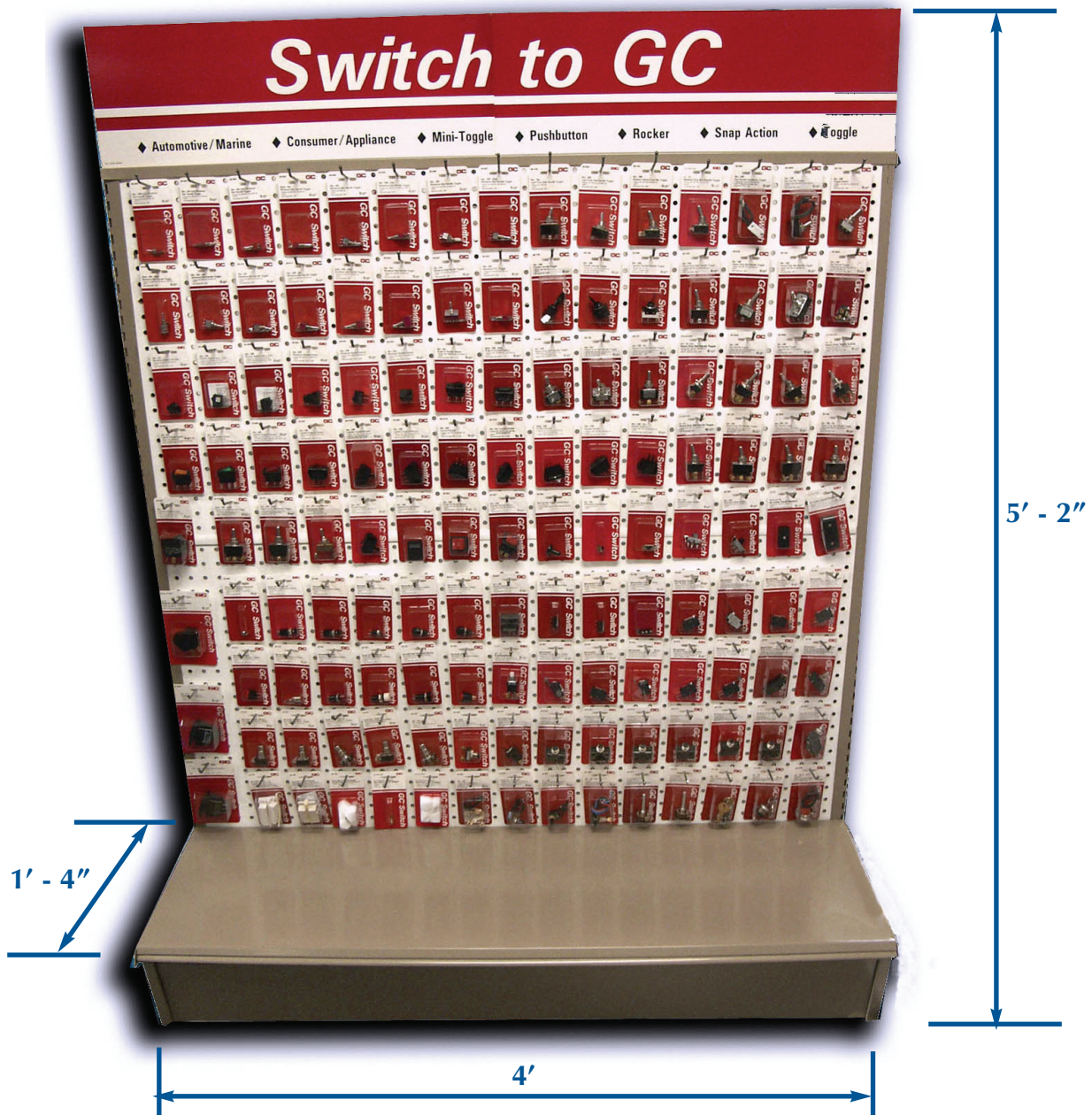
Spinner Switch Program 49-361

Program Contents: (Cont.)

Retail Part No.	Qty. Prog.	Description
35-1851	2	SPST On-Off In-line Cord
35-1857	2	SP3T Off-On-On-On Metal Rotary-6A
35-2103	2	3A Circuit Breaker
35-2104	2	4A Circuit Breaker
35-2105	2	5A Circuit Breaker
35-2106	2	6A Circuit Breaker
35-2107	2	7A Circuit Breaker
35-2108	2	8A Circuit Breaker
35-2110	2	10A Circuit Breaker
35-2112	2	12A Circuit Breaker
35-2115	2	15A Circuit Breaker
35-2120	2	20A Circuit Breaker
35-2125	2	25A Circuit Breaker
35-2130	2	30A Circuit Breaker
35-3005	2	SPST On-Off Utility Bat Toggle
35-3020	2	DPDT On-On Bat Toggle
35-3025	2	DPDT On-Off-On Bat Toggle
35-3045	2	DPST On-Off Utility Bat Toggle with Brass Actuator-20A
35-3050	2	SPST On-Off Bat Toggle AC/DC
35-3060	2	DPST On-Off Bat Toggle
35-3135	2	2 Circuit Utility Bat Toggle
35-3170	2	SPST On-Off Auto/Marine Toggle w/Brass Actuator-35A
35-3190	2	SPDT On-On Keylock w/Detent Metal Key
35-3195	2	SPDT On-(On) Keylock 6-Tumbler Barrel Key-4A
35-3427	2	SPST N.O. Off-(On) AC Pushbutton
35-3457	2	SPST Off-(On) Black Pushbutton-6A
35-3471	2	SPST N.C. On-(Off) Pushbutton w/Screw Terminal
35-3600	2	SPST On-Off Rocker-15A
35-3650	2	DPDT On-Off-On Rocker-15A
35-3695	2	DPDT (On)-Off-(On) Rocker-15A
35-3740	2	SPST On-Off Curved Rocker w/ Red Light
35-3908	2	SPDT Snap Action w/Air Plunger Actuator-20A
35-3916	2	SPDT Snap Action w/Lever Actuator-20A
35-3932	2	SPDT Mini Snap Action w/Pin Plunger-20A
35-3938	2	SPDT Mini Snap Action w/Long Lever Actuator-10A
35-3945	2	Mini Snap Action w/Long Lever-15A
49-361-3	1	Reorder Card Set
49-508-10R	175	Hooks
75-2040-R	1	Display Rack
GC-SI-6754	2	Display Header
GC-PKRM-7823	1	Packing List and Road Map

SWITCH PROGRAMS (Cont.)

- Top Seller Switch Program 49-351-K
- 134 Switch Part Numbers
- 4' Display
- Toggle, Rotary, Pushbutton, Rocker Switches



Display Rack Part No. 49-351-K

SWITCH PROGRAMS (Cont.)

Top Seller Switch Program 49-351-K

Program Contents:

Retail Part No.	Quantity per Program	Description
35-000	3	SPST On-Off Submin Bat Toggle-3A
35-001	3	SPDT On-On Submin Bat Toggle-3A
35-002	3	DPDT On-On Submin Bat Toggle-3A
35-003	3	SPDT On-(On) Min Bat Toggle-5A
35-004	3	SPDT On-On Min Bat Toggle-5A
35-005	3	SPDT On-Off-On Min Bat Toggle-5A
35-006	3	SPST On-Off Min Bat Toggle w/Boot
35-007	3	SPDT On-Off-(On) Min Bat Toggle
35-008	3	SPDT (On)-Off-(On) Min Bat Toggle
35-009	3	DPDT On-On-On Min Bat Toggle-5A
35-010	3	DPDT On-On Min Bat Toggle-5A
35-012	3	DPDT On-Off-On Min Bat Toggle
35-018	3	SPDT (On)-Off-(On) Min Bat Toggle
35-024	3	3PDT On-On Min Bat Toggle-5A
35-036	3	4PDT On-On Min Bat Toggle-5A
35-053	3	SPDT On-On PC Flat Lever Toggle
35-060	3	Bat Toggle Switch Boot
35-064	3	SPST On-Off Med. Duty Bat Toggle
35-078	3	SPST On-Off Heavy Duty Bat Toggle
35-080	3	SPST On-Off Heavy Duty Bat Toggle
35-090	3	SPST On-Off Lighted Paddle-Red
35-110	3	SPDT On-Off-On Heavy Duty Toggle
35-119	3	SPST On-Off Toggle-10A
35-126	3	DPST On-Off Heavy Duty Bat Toggle
35-130	3	SPDT On-On Bat Toggle-20A
35-132	3	DPDT On-On Light Duty Bat Toggle
35-146	3	DPDT On-On HD Bat Toggle
35-148	3	DPDT On-Off-On HD Bat Toggle
35-150	3	DPDT (On)-Off-(On) Bat Toggle
35-151	3	DPDT On-Off-(On) Bat Toggle
35-152	3	DPDT On-On Bat Toggle
35-155	3	SPDT (On)-Off-(On) Bat Toggle
35-160	3	SPST On-Off Med Duty Bat Toggle
35-167	3	SPST On-Off Med Duty Bat Toggle
35-178	3	SPST On-Off Paddle Toggle-20A
35-180	3	SPST On-Off Black Paddle Toggle-10A
35-185	3	DPST On-Off Toggle Switch-20A
35-196	3	SPST On-Off Tumbler Lock w/Keys
35-202	3	SPDT On-On Mini Slide
35-204	3	DPDT On-On Mini Slide-3A 30V
35-210	3	SPDT On-On Standard Slide-6A
35-222	3	DPDT On-On Standard Slide
35-377	3	5 Pos. 1/4" Rotary Non-Shorting-0.3A
35-378	3	3 Pos. 1/4" Rotary Non-Shorting-0.3A
35-400	3	SPST Submini Pushbutton
35-406	3	SPST On-Off Mini Pushbutton-3A
35-409	3	SPST N.O. (Momentary) Mini Pushbutton-3A
35-410	3	SPST N.O. (Momentary) Red Mini Pushbutton-1A
35-411	3	SPST N.O. (Momentary) Round Black Mini Pushbutton
35-412	3	SPST N.O. (Momentary) Square Black Mini Pushbutton
35-413	3	SPST N.O. (Momentary) Rectangle Blk Mini Pushbutton
35-415	3	SPST N.O. (Momentary) Square Red Mini Pushbutton
35-416	3	SPDT (Momentary) Red Pushbutton
35-420	3	SPST N.O. (Momentary) Round Red Pushbutton-3A
35-421	3	SPST N.O. (Momentary) Square Red Pushbutton-3A
35-422	3	SPST On-Off Round White Pushbutton-3A
35-423	3	SPST N.O. (Momentary) Lg. Round Red Pushbutton-3A
35-430	3	SPST N.O. (Momentary) Metal Pushbutton-6A
35-432	3	SPST N.C. (Momentary) Metal Pushbutton-6A
35-448	3	SPST On-Off Metal Pushbutton-6A
35-449	3	SPST On-Off Metal Pushbutton-6A
35-461	3	SPDT Snap Action with Pushbutton Actuator-15A
35-462	3	SPDT Snap Action with Pushbutton Actuator-15A
35-476	3	SPST (On)-Off Pushbutton with Red Plastic Actuator
35-602	3	SPDT On-On Mini Rocker-4A
35-605	3	SPST On-Off Mini Black Rocker-8A
35-620	3	DPST On-Off Snap-in Red Rocker

Retail Part No.	Qty. per Program	Description
35-640	3	SPDT On-On Snap Black Rocker-16A
35-642	3	SPST On-Off Mini Power Rocker-10A
35-644	3	SPDT On-On Mini Black Rocker-10A
35-654	3	DPST On-Off Rocker-20A
35-655	3	DPST On-Off Lighted Rocker-20A
35-656	3	SPST On-Off Lighted Rocker
35-660	3	SPST On-Off Ltd. Red Lens Snap-in Rocker-30VDC
35-662	3	SPST On-Off Ltd. Amber Lens Snap-in Rocker-16A
35-664	3	SPST On-Off Ltd. Green Lens Snap-in Rocker-15A
35-681	3	SPST On-Off Rocker with Green LED-5A
35-682	3	SPST On-Off Rocker with Red LED-5A
35-686	3	DPST On-Off Lighted Black Rocker-20A
35-688	3	SPST On-off Snap-in with Red Lens
35-689	3	SPST On-Off Red Translucent Snap-in Ltd. Rocker
35-691	3	SPST On-Off Black Rocker
35-693	3	SPST On-Off Black Rocker-16A
35-694	3	SPDT On-Off-On Black Rocker-16A
35-695	3	SPDT (On)-Off-(On) Black Rocker-16A
35-750	3	SPST Open with out Magnet Reed
35-752	3	SPDT Mini Reed Kit with Magnet Actuator-0.5A
35-756	3	SPDT Open or Closed Reed with out Magnet
35-763	3	SPST 16 Degree Mercury Tilt-3A
35-764	3	SPST 15 Degree Non-Mercury Tilt
35-822	3	Sub Mini Snap Action, Pivoted Lever Actuator
35-823	3	Mini Snap Action with Pin Actuator-10A
35-824	3	SPDT On-Off Mini Snap Action with Long Lever
35-836	3	Sub Mini Snap Action with Pin Actuator-15A
35-838	3	Sub Mini Snap Action with Simulated Actuator
35-840	3	Mini Snap Action with Pin Actuator
35-842	3	Mini Snap Action with Simulated Actuator
35-844	3	Mini Snap Action with Lever-15A
35-846	3	Mini Snap Action with Short Roller Actuator-10A
35-848	3	Mini Snap Action with Roller
35-852	3	SPST Push On/Off Pushbutton Appliance-6A
35-853	3	SPST on-Off Black Cord
35-854	3	SPST On-Off Bat Appliance Toggle
35-856	3	SPST On-Off Rotary Appliance w/6" Leads-6A
35-864	3	SPST On-Off Pull Chain Appliance-6A
35-880	3	SPDT Mini Snap Action with Lever Actuator
35-882	3	SPDT Mini Snap Action with Roller Actuator
35-1851	3	SPST On-Off In-line Cord
35-1857	3	SPA3T Off-On-On-On Metal Rotary-6A
35-2103	3	3A Circuit Breaker
35-2105	3	5A Circuit Breaker
35-2110	3	10A Circuit Breaker
35-2115	3	15A Circuit Breaker
35-2120	3	20A Circuit Breaker
35-2125	3	25A Circuit Breaker
35-3005	3	SPST On-Off Utility Bat Toggle
35-3020	3	DPDT On-On Bat Toggle
35-3025	3	DPDT On-Off-On Bat Toggle
35-3045	3	DPST On-Off Utility Bat Toggle with Brass Actuator-20A
35-3050	3	SPST On-Off Bat Toggle AC/DC
35-3060	3	DPST On-Off Bat Toggle
35-3170	3	SPST On-Off Auto/Marine Toggle w/Brass Actuator-35A
35-3190	3	SPDT On-On Keylock w/Detent Metal Key
35-3195	3	SPDT On-(On) Keylock 6-Tumbler Barrel Key-4A
35-3427	3	SPST N.O. Off-(On) AC Pushbutton
35-3457	3	SPST Off-(On) Black Pushbutton-6A
35-3471	3	SPST N.C. On-(Off) Pushbutton w/Screw Terminal
35-3580	3	SPST On-Off Sealed Rocker
35-3590	3	DPDT On-Off-On Sealed Rocker
35-3630	3	DPST On-Off Rocker-15A

SWITCH PROGRAMS (Cont.)

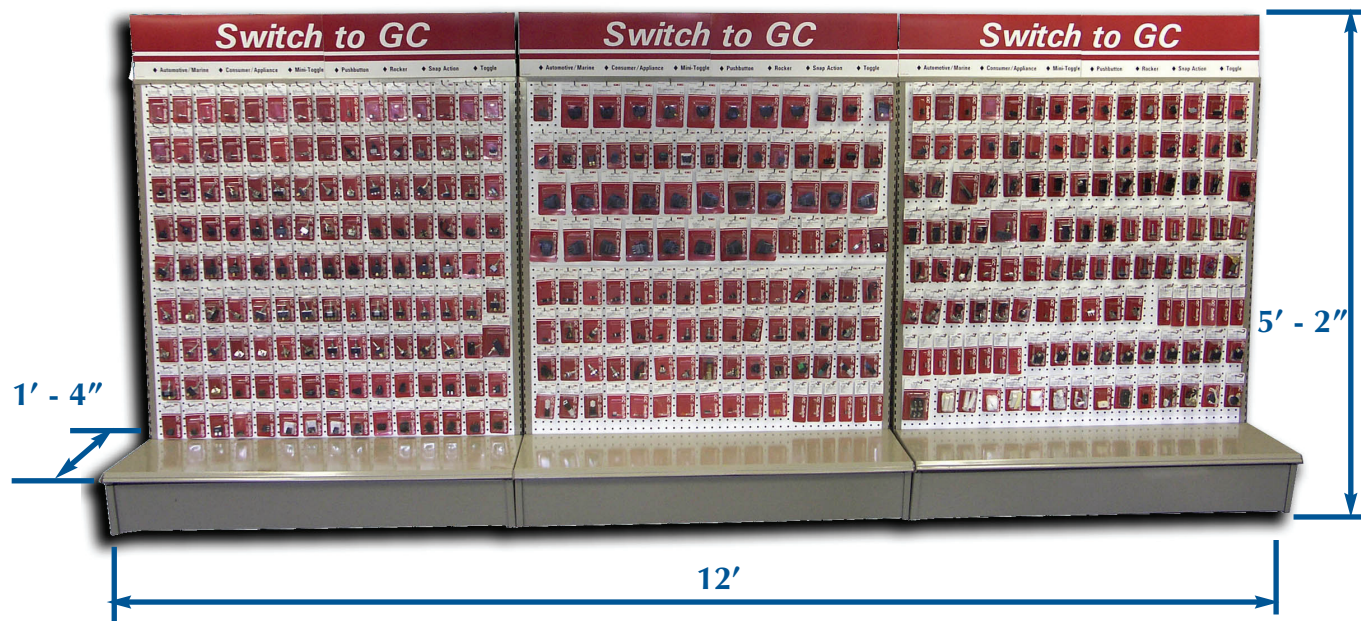
Top Seller Switch Program 49-351-K

Program Contents: (Cont.)

Retail Part No.	Quantity per Program	Description
35-3710	3	SPST On-Off Curved Rocker-20A
35-3720	3	SPDT On-On Curved Rocker-16A
35-3740	3	SPST On-Off Curved Rocker w/ Red Light
35-3760	3	SPST (On)-Off "V" Style Rocker
35-3908	3	SPDT Snap Action w/Air Plunger Actuator-20A
49-351-K3	1	Reorder Card Set
49-512-10R	140	6" Hooks
75-2055-R	1	Display Rack
75-3001-5R	4	Brackets
75-3001-6R	4	2 Sided Tape (5/8" x 8")
GC-SI-6243	1	Display header
GC-PKRM-7822	1	Packing List and Roadmap

SWITCH PROGRAMS (Cont.)

- Full Line Switch Program 49-317-D
- 371 Switch Part Numbers
- 12' Display
- Toggle, Rotary, Pushbutton, Rocker, Snap Action Switches, Circuit Breakers



Display Rack Part No. 49-317-D

SWITCH PROGRAMS (Cont.)

Full Line Switch Program 49-317-D

Program Contents:

Retail Part No.	Quantity per Program	Description
35-000	2	SPST On-Off Submin Bat Toggle-3A
35-001	2	SPDT On-On Submin Bat Toggle-3A
35-002	2	DPDT On-On Submin Bat Toggle-3A
35-003	2	SPDT On-(On) Min Bat Toggle-5A
35-004	2	SPDT On-On Min Bat Toggle-5A
35-005	2	SPDT On-Off-On Min Bat Toggle-5A
35-006	2	SPST On-Off Min Bat Toggle w/Boot
35-007	2	SPDT On-Off-(On) Min Bat Toggle
35-008	2	SPDT (On)-Off-(On) Min Bat Toggle
35-009	2	DPDT On-On Min Bat Toggle-5A
35-010	2	DPDT On-On Min Bat Toggle-5A
35-012	2	DPDT On-Off-On Min Bat Toggle
35-014	2	DPDT On-(On) Min Bat Toggle-5A
35-016	2	DPDT On-Off-(On) Min Bat Toggle
35-018	2	DPDT (On)-Off-(On) Min Bat Toggle
35-024	2	3PDT On-On Min Bat Toggle-5A
35-026	2	3PDT On-Off-On Min Bat Toggle-5A
35-036	2	4PDT On-On Min Bat Toggle-5A
35-038	2	4PDT On-Off-On Min Bat Toggle-5A
35-053	2	SPDT On-On PC Flat Lever Toggle
35-055	2	SPDT On-Off-On Flat Lever Toggle
35-057	2	DPDT On-On Pc Flat Lever Toggle
35-059	2	DPDT On-Off-On Flat Lever Toggle
35-060	2	Bat Handle Toggle Switch Boot
35-064	2	SPST On-Off Med. Duty Bat Toggle
35-071	2	SPDT On-Off-On Min Plastic Toggle
35-072	2	DPDT On-On Min Plastic Toggle-6A
35-073	2	DPDT On-Off-On Min Plastic Toggle
35-076	2	SPST Off-(On) Med. Duty Bat Toggle
35-078	2	SPST On-Off Heavy Duty Bat Toggle
35-080	2	SPST On-Off Heavy Duty Bat Toggle, 15A
35-086	2	SPDT On-Off-(On) Med. Duty Toggle, 20A
35-090	2	SPST On- Off Lighted Paddle-Red
35-092	2	SPST On-Off Lighted Paddle-Green
35-094	2	SPST On-Off Lighted Paddle-Amber
35-110	2	SPDT On-Off-On Heavy Duty Toggle
35-112	2	DPST On-Off Med Duty Bat Toggle
35-114	2	SPDT On-On Med Duty Bat Toggle
35-116	2	SPDT On-(On) Med Duty Bat Toggle
35-117	2	DPDT On-On Toggle-6A
35-118	2	DPST On-Off Toggle-6A
35-119	2	SPST On-Off Toggle-10A
35-120	2	SPDT On-On Toggle-10A
35-126	2	DPST On-Off Heavy Duty Bat Toggle
35-130	2	SPDT On-On Bat Toggle-20A
35-132	2	DPDT On-On Light Duty Bat Toggle
35-139	2	3PST On-Off HD AC/DC Bat Toggle
35-140	2	3PDT On-Off-On AC/DC Bat Toggle
35-141	2	3PDT On-On AC/DC Bat Toggle
35-143	2	4PDT On-Off-On AC Bat Toggle
35-144	2	DPDT On-On Heavy Bat Toggle
35-145	2	4PST On-Off HD AC Toggle Switch
35-146	2	DPDT On-On HD Bat Toggle
35-148	2	DPDT On-Off-On HD Bat Toggle
35-149	2	DPDT On-Off-On HD Bat Toggle
35-150	2	DPDT (On)-Off-(On) Bat Toggle
35-151	2	DPDT On-Off-(On) Bat Toggle
35-152	2	DPDT On-On Bat Toggle
35-153	2	SPDT On-Off-(On) HD Bat Toggle
35-154	2	DPDT On-(On) Bat Toggle
35-155	2	SPDT (On)-Off-(On) Bat Toggle
35-160	2	SPST On-Off Med Duty Bat Toggle
35-167	2	SPST On-Off Med Duty Bat Toggle
35-171	2	SPST On-Off Ball Toggle-6A
35-178	2	SPST On-Off Paddle Toggle-20A
35-180	2	SPST On-Off Black Paddle Toggle-10A
35-182	2	SPDT On-On Black Paddle Toggle-10A

Retail Part No.	Quantity per Program	Description
35-184	2	SPDT On-Off-On Paddle Toggle-10A
35-185	2	DPST On-Off Toggle Switch-20A
35-186	2	DPDT On-On Paddle Toggle (Black Plastic Actuator)
35-188	2	DPDT On-Off-On Paddle Toggle (Black Plastic Actuator)
35-196	2	SPST On-Off Tumbler Lock w/Keys
35-202	2	SPDT On-On Mini Slide
35-204	2	DPDT On-On Mini Slide-3A 30V
35-210	2	SPDT On-On Standard Slide-6A
35-222	2	DPDT On-On Standard Slide
35-242	2	DPDT On-On Slide
35-375	2	6 Pos. 1/4" Rotary Shorting-0.3A
35-376	2	12 Pos. 1/4" Rotary Shorting-0.3A
35-377	2	5 Pos. 1/4" Rotary Non-Shorting-0.3A
35-378	2	3 Pos. 1/4" Rotary Non-Shorting-0.3A
35-379	2	4 Pos. 1/4" Rotary Non-Shorting-0.3A
35-400	2	SPST Submini Pushbutton
35-402	2	SPST Submini Pushbutton
35-404	2	SPDT Mini Pushbutton
35-405	2	DPDT On-On Mini Pushbutton-3A
35-406	2	SPST On-Off Mini Pushbutton-3A
35-408	2	SPDT On-On Mini Pushbutton-3A
35-409	2	SPST N.O. (Momentary) Mini Pushbutton-3A
35-410	2	SPST N.O. (Momentary) Red Mini Pushbutton-1A
35-411	2	SPST N.O. (Momentary) Round Black Mini Pushbutton
35-412	2	SPST N.O. (Momentary) Square Black Mini Pushbutton
35-413	2	SPST N.O. (Momentary) Rectangle Blk Mini Pushbutton
35-415	2	SPST N.O. (Momentary) Square Red Mini Pushbutton
35-416	2	SPDT (Momentary) Red Pushbutton
35-417	2	SPST N.O. (Momentary) Rect. Red Actuator
35-420	2	SPST N.O. (Momentary) Round Red Pushbutton-3A
35-421	2	SPST N.O. (Momentary) Square Red Pushbutton-3A
35-423	2	SPST N.O. (Momentary) Lg. Round Red Pushbutton-3A
35-430	2	SPST N.O. (Momentary) Metal Pushbutton-6A
35-432	2	SPST N.C. (Momentary) Metal Pushbutton-6A
35-436	2	Pushbutton Caps Red/Black
35-448	2	SPST On-Off Metal Pushbutton-6A
35-449	2	SPST On-Off Metal Pushbutton-6A
35-450	2	SPDT Momentary Mini White Pushbutton-1A
35-451	2	DPDT Momentary Mini White Pushbutton-1A
35-455	2	SPST On-Off Large Round Pushbutton-16A
35-457	2	SPST N.O. Large Round Red Pushbutton-16A
35-458	2	SPST On-Off Metal Pushbutton-15A
35-459	2	SPST (Momentary) Large Round Pushbutton-16A
35-461	2	SPDT Snap Action with Pushbutton Actuator-15A
35-462	2	SPDT Snap Action with Pushbutton Actuator-15A
35-463	2	SPDT Snap Action with Roller Actuator-15A
35-464	2	Snap Action with Lever Actuator-15A
35-473	2	SPDT Momentary Red Snap-Action Pushbutton
35-475	2	SPST (On)-Off Black Pushbutton-0.5A
35-476	2	SPST (On)-Off Pushbutton with Red Plastic Actuator
35-480	2	SPST Lighted Square Pushbutton On-Off (Red Lens)-10A
35-482	2	SPST Lighted Sq. Pushbutton On-Off (Amber Lens)-10A
35-484	2	SPST Lighted Sq. Pushbutton On-Off (Green Lens)-10A
35-490	2	DPDT Push On/Off-8A
35-491	2	DPDT Push On/On (Momentary if pin is removed)-5A
35-602	2	SPDT On-On Mini Rocker-4A
35-603	2	SPDT On-(On) Mini Black Rocker-4A
35-604	2	SPDT On-Off-On Mini Rocker-4A
35-605	2	SPST On-Off Mini Black Rocker-8A
35-606	2	DPDT On-On Mini Black Rocker-8A
35-607	2	SPST On-Off Mini Rocker-11A
35-608	2	DPST On-Off Mini Black Rocker-8A
35-609	2	SPDT On-On Mini black Rocker-8A
35-615	2	SPDT On-On Mini Black Rocker-4A
35-620	2	DPST On-Off Snap-in Red Rocker
35-621	2	SPST On-Off Snap-in Lighted Red Rocker
35-640	2	SPDT On-On Snap Black Rocker-16A

SWITCH PROGRAMS (Cont.)

Full Line Switch Program 49-317-D

Program Contents: (Cont.)

Retail Part No.	Quantity per Program	Description
35-643	2	DPST On-Off Mini Power Rocker-16A
35-644	2	SPDT On-On Mini Black Rocker-10A
35-645	2	SPST On-Off Lighted Red Mini Rocker LED-10A
35-646	2	DPST On-Off Mini Rocker with Red LED
35-648	2	DPDT On-On Mini Rocker-10A
35-654	2	DPST On-Off Rocker-20A
35-655	2	DPST On-Off Lighted Rocker-20A
35-656	2	SPST On-Off Lighted Rocker
35-660	2	SPST On-Off Ltd. Red Lens Snap-in Rocker-30VDC
35-662	2	SPST On-Off Ltd. Amber Lens Snap-in Rocker-16A
35-664	2	SPST On-Off Ltd. Green Lens Snap-in Rocker-15A
35-674	2	DPDT On-On Mini Red Rocker-8A
35-676	2	DPDT On-Off-On Mini Red Rocker-8A
35-680	2	SPST On-Off Rocker with Orange LED-5A
35-681	2	SPST On-Off Rocker with Green LED-5A
35-682	2	SPST On-Off Rocker with Red LED-5A
35-684	2	SPST On-Off Rocker with White LED-5A
35-686	2	DPST On-Off Lighted Black Rocker-20A
35-688	2	SPST On-off Snap-in with Red Lens
35-689	2	SPST On-Off Red Translucent Snap-in Ltd. Rocker
35-691	2	SPST On-Off Black Rocker
35-693	2	SPST On-Off Black Rocker-16A
35-694	2	SPDT On-Off-On Black Rocker-16A
35-695	2	SPDT (On)-Off-(On) Black Rocker-16A
35-696	2	SPST On-Off Red Clear Rocker-12A
35-730	2	DPDT On-Off-On Knife-5A
35-750	2	SPST Open with out Magnet Reed
35-751	2	SPST Off-On Proximity Reed
35-752	2	SPDT Mini Reed Kit with Magnet Actuator-0.5A
35-756	2	SPDT Open or Closed Reed with out Magnet
35-761	2	SPST Off-On Reed-Wire Lead
35-762	2	SPST Off-On Reed-Wire Lead
35-763	2	SPST 16 Degree Mercury Tilt-3A
35-764	2	SPST 15 Degree Non-Mercury Tilt
35-822	2	Sub Mini Snap Action, Pivoted Lever Actuator
35-823	2	Mini Snap Action with Pin Actuator-10A
35-824	4	SPDT On-Off Mini Snap Action with Long Lever
35-827	2	Mini Snap Action with Roller-10A
35-829	2	SPDT On-Off Precision Snap Act. w/Lever Actuator
35-830	2	SPDT On-Off Pushbutton Snap Action w/Red Actuat.
35-834	2	Sub Mini Snap Action with Plunger-5A
35-836	2	Sub Mini Snap Action with Lever Actuator-15A
35-838	2	Sub Mini Snap Action with Roller Actuator
35-840	4	Mini Snap Action with Pin Actuator-15A
35-842	2	Mini Snap Action with Simulated Actuator
35-844	2	Mini Snap Action with Lever-15A
35-846	2	Mini Snap Action with Short Roller Actuator-10A
35-848	2	Mini Snap Action with Roller
35-849	2	In-line Cord White-3A
35-852	2	SPST Push On/Off Pushbutton Appliance-6A
35-853	2	SPST on-Off Black Cord
35-854	2	SPST On-Off Bat Appliance Toggle
35-855	2	SPST On-Off Rotary-6A
35-856	2	SPST On-Off Rotary Appliance w/6" Leads-6A
35-859	2	SPST On-Off Rotary Appliance w/6" Leads White-6A
35-864	2	SPST On-Off Pull Chain Appliance-6A
35-865	2	Rotary Off-On-On Pull Chain-3A
35-867	2	SPA3T Off-On-On-On Pull Chain(3-3/4"Pullstring)
35-870	2	NC SPST On-Off Mini Snap Action with Pin Actuat.
35-872	2	NO SPST Mini Snap Action with Pin Actuator
35-874	2	SPDT Mini Snap Action with Roller Actuator
35-876	2	SPDT Mini Snap Action with Roller Actuator
35-878	2	SPDT Mini Snap Action with Sim. Roller Actuator
35-880	2	SPDT Mini Snap Action Lever Actuator
35-882	2	SPDT Mini Snap Action with Lever Actuator
35-890	2	SPDT Snap Action with Precision Lever Actuator
35-892	2	SPDT Precision Snap Action with Plunger Actuator

Retail Part No.	Quantity per Program	Description
35-894	2	SPDT Precision Snap Action with Pin Plunger
35-896	2	Precision Snap Action with Plunger
35-953	2	SPST 4 Pos. DIP Tape Seal-side Actuator
35-957	2	SPST 8 Pos. DIP Tape Seal-side Actuator
35-961	2	1 Pos. Open Base DIP
35-962	2	SPST 2 Pos. DIP Open Base-PCB Mount
35-963	2	SPST 3 Pos. DIP Open Base-PCB Mount
35-964	2	4 Pos. DIP
35-965	2	SPST 5 Pos. Open Base-PCB Mount
35-966	2	6 Pos. Open Base DIP
35-968	2	8 Pos. Open Base DIP
35-969	2	SPST 9 Pos. DIP Open Base-PCB Mount
35-970	2	10 Pos. Open Base DIP
35-971	2	SPST 8 Pos. DIP Open Base-Right Angle
35-974	2	SPST 12 Pos. DIP Open Base-PCB Mount
35-980	2	Precision Snap Action with Pin Plunger Actuator
35-982	2	SPDT Precision Snap Action
35-984	2	SPDT Precision Snap Action with Lever Actuator-20A
35-987	2	SPDT Snap Action with Roller Actuator-20A
35-990	2	DPDT Snap Action with Pushbutton Actuator-15A
35-992	2	DPDT Snap Action with Lever-15A
35-1076	2	SPST Off-(On) Bat Toggle-6A
35-1114	2	SPDT Off-On Bat Toggle-6A
35-1116	2	SPDT Off-(On) Bat Toggle-6A
35-1212	2	SP 12 Pos. 1/2" Rotary Non-Shorting
35-1226	2	DP 6 Pos. 1/2" Rotary Non-Shorting
35-1306	2	SP 6 Pos. Rotary Non-Shorting-Panel
35-1312	2	SP 12 Pos. Rotary No Stops-Panel
35-1314	2	SP 12 Pos. Rotary Non-Short-Panel
35-1323	2	SP 8 Pos. Rotary Non-Short-Panel
35-1324	4	DP 4 Pos. Rotary Non-Short-Panel
35-1334	2	3P 4 Pos. Rotary Non-Short-Panel
35-1343	2	4P 3 Pos. Rotary Non-Short-Panel
35-1411	2	SPST Off-(On) Tactile Key-PCB Mount
35-1412	2	SPST Off-(On) Tactile Key-Surface
35-1414	2	SPST Off-(On) Tactile Key-PCB Mount
35-1451	2	SPST Off-(On) Submin Tactile-PCB Mount
35-1452	2	SPST Off-(On) Submin Tactile-PCB Mount
35-1453	2	SPST Off-(On) Submin Tactile-Right Angle
35-1851	2	SPST On-Off In-line Cord
35-1857	2	SP3T Off-On-On-On Metal Rotary-6A
35-2103	2	3A Circuit Breaker
35-2105	2	5A Circuit Breaker
35-2106	2	6A Circuit Breaker
35-2108	2	8A Circuit Breaker
35-2110	2	10A Circuit Breaker
35-2112	2	12A Circuit Breaker
35-2115	2	15A Circuit Breaker
35-2120	2	20A Circuit Breaker
35-2125	2	25A Circuit Breaker
35-2130	2	30A Circuit Breaker
35-3005	2	SPST On-Off Utility Bat Toggle
35-3008	2	SPST On-Off Black Paddle with Nylon Actuator-15A
35-3009	2	SPST On-Off Flat Lever Toggle with Nylon Actuator-20A
35-3010	2	SPDT On-On Bat Toggle
35-3015	2	SPDT On-Off-On Bat Toggle
35-3020	2	DPDT On-On Bat Toggle
35-3025	4	DPDT On-Off-On Bat Toggle
35-3030	2	SPST On-Off Curved Rocker with Nylon Actuator-16A
35-3035	2	SPST On-Off Utility Bat Toggle with Brass Actuator-6A
35-3045	2	DPST On-Off Utility Bat Toggle with Brass Actuator-20A
35-3050	2	SPST On-Off Bat Toggle AC/DC
35-3055	2	SPST Off-(On) Utility Bat Toggle w/Brass Actuator-20A
35-3060	2	DPST On-Off Bat Toggle
35-3065	2	DPST Off-(On) Utility Bat Toggle w/Brass Actuator-20A

SWITCH PROGRAMS (Cont.)

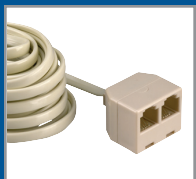
Full Line Switch Program 49-317-D

Program Contents: (Cont.)

Retail Part No.	Quantity per Program	Description
35-3070	2	SPST On-Off H.D. AC/DC Bat Toggle
35-3075	2	DPST On-Off H.D. AC/DC Bat Toggle
35-3080	2	4PDT On-On H.D. AC Bat Toggle
35-3091	2	SPST On-Off Ltd. Paddle w/Nylon Act. (Amber)-15A
35-3092	2	SPST On-Off Ltd. Paddle w/ Nylon Actuator (Red)-15A
35-3127	2	Reversing Toggle
35-3135	2	2 Circuit Utility Bat Toggle
35-3140	2	SPST On-Off Ltd. Toggle w/Poly Actuator (Red/Green)
35-3150	2	SPDT On-Off-On Auto/Marine w/Nylon Actuator-20A
35-3153	2	SPDT (On)-Off Auto Toggle-15A
35-3154	2	DPST On-Off Auto/Marine Toggle w/Nylon Act.-20A
35-3156	2	DPDT On-On Auto/Marine Toggle w/Nylon Act.-20A
35-3158	2	DPDT On-Off-On Auto/Marine w/Nylon Actuator-20A
35-3160	2	SPST On-Off Auto/Marine Toggle w/Nylon Act.-20A
35-3162	2	SPDT On-On Auto/Marine Toggle w/Nylon Act.-20A
35-3164	2	DPST On-Off Auto/Marine Toggle w/Nylon Act.-20A
35-3166	2	DPDT On-On Auto/Marine Toggle w/Nylon Act.-20A
35-3168	2	DPDT On-Off-On Auto/Marine Tog w/Nylon Act.-20A
35-3169	2	SPDT (On)-Off-(On) Toggle-15A
35-3170	2	SPST On-Off Auto/Marine Toggle w/Brass Actuator-35A
35-3190	2	SPDT On-On Keylock w/Detent Metal Key
35-3192	2	DPDT On-On Keylock 4-Tumbler w/Detent Metal Key
35-3193	2	SPDT On-On Keylock 6-Tumbler
35-3194	2	SPDT On-On Keylock 6-Tumbler Barrel Key-4A
35-3195	2	SPDT On-(On) Keylock 6-Tumbler Barrel Key-4A
35-3197	2	SPDT On-On-On Klk 4-Tum 3 Pos. w/Det Met. Key-4A
35-3412	2	SPDT Momentary Square Lighted Pushbutton-10A
35-3414	2	SPDT On-On Square Lighted Pushbutton-10A
35-3425	2	SPST Push On/Off Utility AC Pushbutton Chrome Act.
35-3427	2	SPST N.O. Off-(On) AC Pushbutton
35-3429	2	SPST On-(Off) Utility AC Pushbutton-15A
35-3430	2	SPST On-On Square Lighted Pushbutton-4A
35-3431	2	DPDT On-On Rectangle Lighted Pushbutton-4A
35-3432	2	SPDT Momentary Rectangle Lighted Pushbutton-4A
35-3435	2	Square Lens/Diffuser/Bulb-Green
35-3437	2	Square Lens/Diffuser/Bulb-Red
35-3438	2	Square Lens/Diffuser/Bulb-Clear
35-3439	2	Square Lens/Diffuser/Bulb-Yellow
35-3440	2	Rectangle Lens/Diffuser/Bulb-Green
35-3442	2	Rectangle Lens/Diffuser/Bulb-Red
35-3443	2	Rectangle Lens/Diffuser/Bulb-Clear
35-3444	2	Rectangle Lens/Diffuser/Bulb-Yellow
35-3454	2	SPST N.C. Push On/Off Utility-10A
35-3457	2	SPST Off-(On) Black Pushbutton-6A
35-3458	2	SPST (Off)-On Red Pushbutton
35-3459	2	SPST N.O. Off-(On) Pushbutton
35-3460	2	SPST On-Off Canopy Pushbutton
35-3471	2	Pushbutton with Screw Terminal
35-3484	2	SPST Off-(On) Auto/Marine Starter & Horn-Blk/Chrome
35-3490	2	SPDT Push On/Off H.D. AC/DC Pushbutton-15A
35-3500	2	SPST On-Off Auto/Marine Rocker-Amber
35-3505	2	SPST On-Off Auto/Marine Rocker-Green
35-3510	2	SPST On-Off Auto/Marine Rocker-Red
35-3515	2	SPST On-Off Auto/Marine Rocker-Blue
35-3520	2	DPDT On-Off Auto/Marine Rocker-Amber
35-3525	2	DPDT On-Off Auto/Marine Rocker-Green
35-3530	2	DPDT On-Off Auto/Marine Rocker-Red
35-3535	2	DPDT On-Off Auto/Marine Rocker-Blue
35-3540	2	SPST (On)-Off Auto/Marine Rocker-Amber
35-3545	2	SPST (On)-Off Auto/Marine Rocker-Green
35-3550	2	SPST (On)-Off Auto/Marine Rocker-Red
35-3555	2	SPST (On)-Off Auto/Marine Rocker-Blue
35-3560	2	DPDT (On)-Off-(On) Auto/Marine Rocker-Amber
35-3565	2	DPDT (On)-Off-(On) Auto/Marine Rocker-Green
35-3570	2	DPDT (On)-Off-(On) Auto/Marine Rocker-Red
35-3575	2	DPDT (On)-Off-(On) Auto/Marine Rocker-Blue
35-3580	2	SPST On-Off Sealed Rocker

Retail Part No.	Qty. Per Program	Description
35-3585	2	DPDT On-On Sealed Rocker
35-3590	2	DPDT On-Off-On Sealed Rocker
35-3600	2	SPST On-Off Rocker-15A
35-3610	2	SPDT On-On Rocker-15A
35-3620	2	SPDT On-Off-On Rocker-15A
35-3630	2	DPST On-Off Rocker-15A
35-3650	2	DPDT On-Off-On Rocker-15A
35-3660	2	DPST (On)-Off Rocker-15A
35-3690	2	DPDT (On)-Off-On Rocker-15A
35-3695	2	DPDT (On)-Off-(On) Rocker-15A
35-3705	2	DPST Off-On Rocker -White Actuator
35-3710	2	SPST On-Off Curved Rocker-16A
35-3720	2	SPDT On-On Curved Rocker-16A
35-3730	2	SPST On-Off Lighted Curved Rocker-Amber
35-3740	2	SPST On-Off Lighted Curved Rocker-Red
35-3750	2	SPST On-Off Lighted Curved Rocker-Green
35-3760	2	SPST (On)-Off "V" Style Rocker
35-3790	2	SPST On-Off Lighted "V" Style Rocker
35-3900	2	SPDT Mini Snap Action w/Pin Plunger-15A
35-3901	2	SPDT Std. Snap Action w/Pin Plunger Actuator-15A
35-3903	2	Snap Action Switch w/Air Plunger
35-3904	2	SPDT Snap Action w/Lever Actuator-20A
35-3906	2	SPDT Std. Snap Action w/Leaf Roller Actuator-20A
35-3907	2	SPDT Snap Action w/Leaf Roller Actuator-15A
35-3908	2	SPDT Snap Action w/Air Plunger Actuator-20A
35-3910	2	SPDT Snap Action w/Roller Plunger-20A
35-3914	2	Snap Action w/Air Plunger-20A
35-3916	2	SPDT Snap Action w/Lever Actuator-20A
35-3921	2	SPDT Snap Action w/Short Roller Actuator-20A
35-3922	2	SPDT Snap Action w/Hinged Roller Actuator-20A
35-3932	2	SPDT Mini Snap Action w/Pin Plunger Actuator-20A
35-3934	2	SPDT Snap Action w/Short Lever Actuator-10A
35-3938	2	SPDT Mini Snap Action w/Long Lever Actuator-10A
35-3940	2	SPDT Mini Snap Action w/Short Lever Actuator-10A
35-3942	2	SPDT Mini Snap Action w/Lever Actuator-10A
35-3945	2	Mini Snap Action w/Long Lever Actuator-10A
49-317-D3	1	Reorder Card Set
49-449-10R	400	4" Hook
75-2055-R	3	Display Racks
75-3001-5R	12	L. Brackets
75-3001-6R	12	8" 2 Sided tape
GC-PK-7912	1	Packing List
GC-RM-7913	1	Road Map
GC-SI-6243	3	4' Switch Header

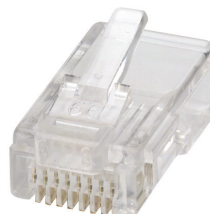
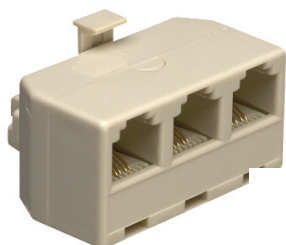
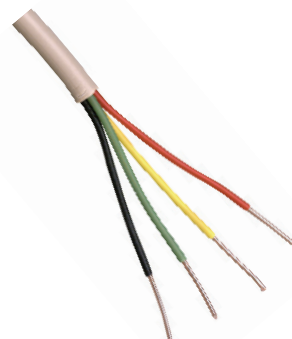
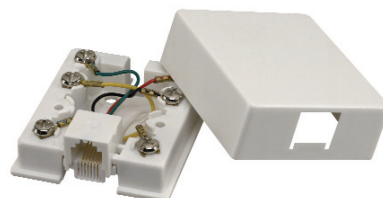
NOTES



TELEPHONE

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- Wall Mount Phone Jacks p324
- Combination Wall Plates p324-325
- Dual Floor Jacks p325
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FLUSH WALL PLATE

Single Jack

Modular flush wall jack assembly allows flush-mounted connection of plug-ended modular line cords. Ideal for initial installation or conversion from existing wall receptacles.

Non-UL	UL/CUL	Decor	Color	Conductor
30-9747	30-8743		Light Almond	4
30-9747-BU	30-8743-BU	30-9764-BU	Light Almond	4
30-9707	30-8747	30-9767	Ivory	4
30-9707-BU	30-8747-BU	30-9767-BU	Ivory	4
30-9707-25			Ivory	4
30-9701			Ivory w/Cover	4
30-9701-BU			Ivory w/Cover	4
30-9717	30-8749	30-9777	White	4
30-9717-BU	30-8749-BU	30-9777-BU	White	4
30-9717-25			White	4
	30-8767		Ivory	6
	30-8767-BU		Ivory	6
	30-8769	30-9790	White	6
	30-8769-BU	30-9790-BU	White	6
	30-8763		Light Almond	6
	30-8763-BU		Light Almond	6
	30-8787		Ivory	8
	30-8787-BU		Ivory	8
	30-8789	30-9795	White	8
	30-8789-BU	30-9795-BU	White	8
	30-8783-BU		Light Almond	8

Notes:

4 Conductor Product Complies with USOC numbers RJ11C, RJ13C, RJ1DC

6 or 8 Conductor Product Complies with USOC number RJ12C, RJ18C, RJ19C, RJ25C

-25=25 Pieces per Bulk Package



Decor

Dual Jack

Can be flush mounted in wall to eliminate external wires. Two modular jacks permit use of two telephones at same location or one telephone and answering machine or other related equipment. Two solderless jacks can be connected independently or in series, utilizing one or two lines.

Non-UL	UL/CUL	Decor	Color	Conductor
30-9703	30-8447	30-9797	Ivory	4
30-9703-BU	30-8447-BU	30-9797-BU	Ivory	4
30-9713	30-8449	30-9798	White	4
30-9713-BU	30-8449-BU	30-9798-BU	White	4
30-9743	30-8443		Light Almond	4
30-9743-BU	30-8443-BU		Light Almond	4
	30-8667		Ivory	6
	30-8667-BU		Ivory	6
	30-8663		Light Almond	6
	30-8663-BU		Light Almond	6
	30-8669	30-9792	White	6
	30-8669-BU	30-9792-BU	White	6
	30-8807		Ivory	8
	30-8807-BU		Ivory	8
	30-8803		Light Almond	8
	30-8803-BU		Light Almond	8
	30-8809	30-9796	White	8
	30-8809-BU	30-9796-BU	White	8

Notes:

4 Conductor Product Complies with USOC numbers RJ11C, RJ13C, RJ1DC

6 or 8 Conductor Product Complies with USOC number RJ12C, RJ18C, RJ19C, RJ25C



Decor

TELEPHONE

MID-SIZE FLUSH WALL PLATE

Single Jack

Mid-size flush wall jack assembly allows connection of plug ended modular line cords. Ideal for installation where opening is larger than normal.

Non-UL		Color	Conductor
30-9726	30-8739	White	4
30-9726-BU	30-8739-BU	White	4
30-9729	30-8737	Ivory	4
30-9729-BU	30-8737-BU	Ivory	4
30-9722-BU	30-8733	Light Almond	4
	30-8733-BU	Light Almond	4



Dual Jack

Can be flush mounted in wall to eliminate external wires. Two modular jacks permit use of two telephones at the same location, or one telephone and answering machine, or other related equipment. Two solderless jacks can be connected independently or in series utilizing one or two lines.

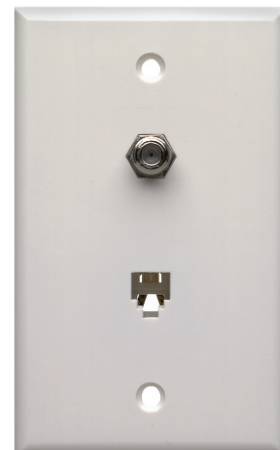
	Color	Conductor
30-8759-BU	White	4
30-8757-BU	Ivory	4
30-8753-BU	Light Almond	4



Telephone/Coax

Specially designed wall plate allows hookup of both modular telephone wire and coax cable from one location. Complies with FCC part 68. Complies with UL Standard 1863 and Article 800-51 of the National Electrical Code.

	Color	Conductor
30-8353-BU	Light Almond	4
30-8357-BU	Ivory	4
30-8359-BU	White	4



WALL MOUNT PHONE JACK

Quick Connect Telephone Jack

Use when mounting wall-type telephone, quick connect posts ensure easy wall-mount phone installation.

Non-UL	/CUL	Color	Conductor
30-9724		S/S Punch Down	4
30-9724-BU		S/S Punch Down	4
30-9723		S/S Screw	4
30-9723-BU		S/S Screw	4
30-9744	30-8703	Light Almond	4
30-9744-BU	30-8703-BU	Light Almond	4
30-9704	30-8704	Ivory	4
30-9704-BU	30-8704-BU	Ivory	4
30-9714	30-8709	White	4
30-9714-BU	30-8709-BU	White	4
	30-8781	Ivory	6
	30-8781-BU	Ivory	6
	30-8782	White	6
	30-8782-BU	White	6



Front/Dual Side Jacks

Designed for wall-mounting phones, this unique device offers dual side jacks which accommodate hook-up of answering machine, auto dialers or extension phones.

Non-UL	Color	Conductor
30-9705	Ivory	4
30-9705-BU	Ivory	4
30-9745	White	4
30-9745-BU	White	4
30-9755-BU	Light Almond	4



Telephone/Coax

Specially designed wallplate allows hookup of both modular telephone wire and coax cable from one location.

Non-UL		Decor	Color	Conductor
30-9732		30-9778	Ivory	4
30-9732-BU		30-9778-BU	Ivory	4
	30-8047-BU		Ivory	4
30-9733		30-9779	White	4
30-9733-BU		30-9779-BU	White	4
	30-8049-BU		White	4
30-9731-BU	30-8043-BU		Light Almond	4
	30-8063-BU		Light Almond	6
	30-8067-BU		Ivory	6
	30-8069-BU		White	6

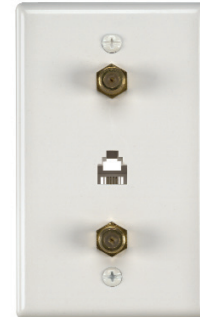


COMBINATION WALL PLATE (Cont.)

Telephone/Dual Coax

Specially designed wall plate allows hookup of both modular telephone wire and coax cable from one location. Complies with FCC part 68. Complies with UL Standard 1863 and Article 800-51 of the National Electrical Code.

	Color	Conductor
30-8243-BU	Light Almond	4
30-8247-BU	Ivory	4
30-8249-BU	White	4



Electrical Coax/Telephone

Combines for convenience the installation of an electrical, telephone, and coax wall plate into one plate.

Non-UL	Color	Conductor
30-9715	Ivory	4
30-9715-BU	Ivory	4
30-9735	White	4
30-9735-BU	White	4



Electrical Dual Telephone

Combines for convenience the installation of an electrical and dual telephone jack into one plate.

Non-UL	Color	Conductor
30-9718	Ivory	4
30-9718-BU	Ivory	4



Non-UL	Color	Conductor
30-9702	Ivory	4
30-9702-BU	Ivory	4
30-9721	White	4
30-9721-BU	White	4

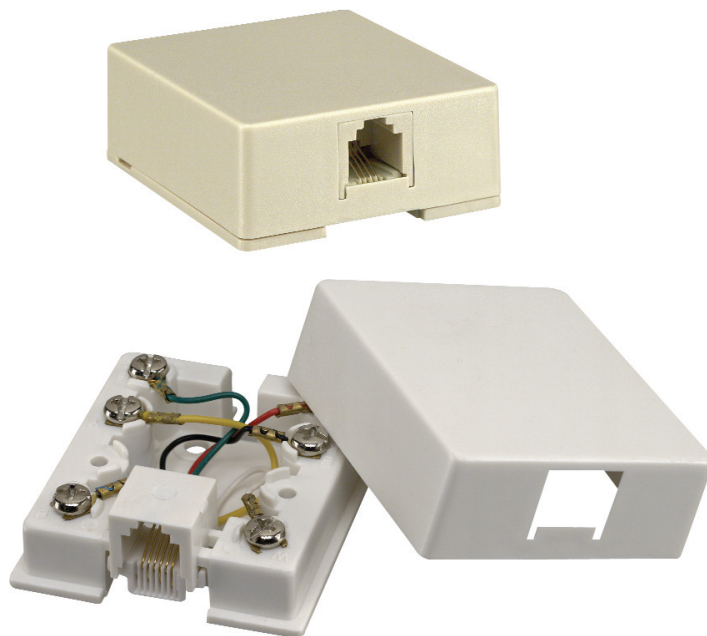


MODULAR SURFACE JACK

Single Telephone

Modular Surface Jack mounts to baseboard or wall. Screw terminals for easy installation.

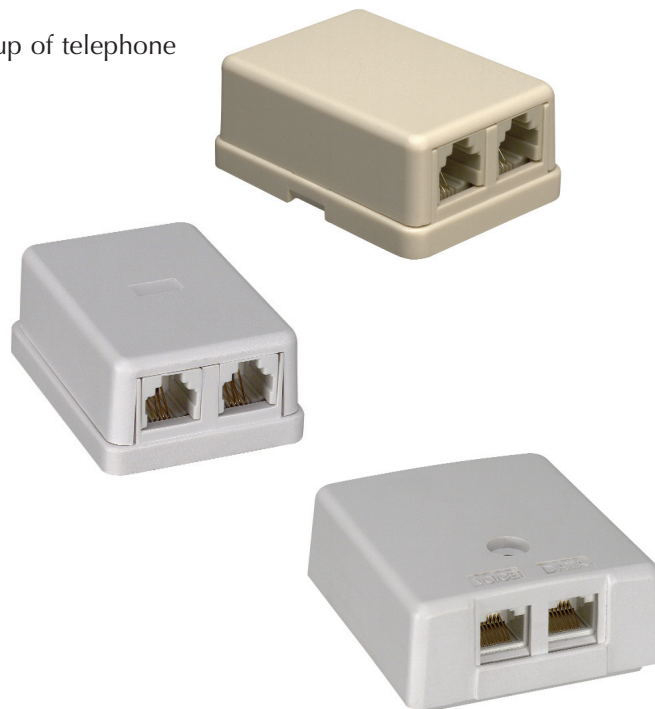
Non-UL	/CUL	Color	Conductor
30-9746	30-8603	Light Almond	4
30-9746-BU	30-8603-BU	Light Almond	4
30-9604	30-8607	Ivory	4
30-9604-BU	30-8607-BU	Ivory	4
30-9604-50		Ivory	4
30-9603		Ivory	4
30-9603-BU		Ivory	4
30-9614	30-8609	White	4
30-9614-BU	30-8609-BU	White	4
30-9614-50		White	4
30-9624		Brown	4
	30-8627	Ivory	6
	30-8627-BU	Ivory	6
	30-8629	White	6
	30-8629-BU	White	6
	30-8623	Light Almond	6
	30-8623-BU	Light Almond	6
	30-8687	Ivory	8
	30-8687-BU	Ivory	8
	30-8689	White	8
	30-8689-BU	White	8
	30-8683	Light Almond	8
	30-8683-BU	Light Almond	8



Dual Telephone

Surface mounts to baseboard or wall. Dual jacks for hook-up of telephone and answering machine.

Non-UL	/CUL		Color	Conductor
30-9605		30-8617	Ivory	4
30-9605-BU		30-8617-BU	Ivory	4
		30-8613	Light Almond	4
		30-8613-BU	Light Almond	4
		30-8619	White	4
		30-8619-BU	White	4
	30-8633-BU		Light Almond	6
	30-8637-BU		Ivory	6
	30-8639-BU		White	6
	30-8653-BU		Light Almond	8
	30-8659-BU		White	8
	30-8657		Ivory	8
	30-8657-BU		Ivory	8



MODULAR FLUSH JACK

Round Flush Jack with mounting bracket attached. Mounts in any standard electrical box.

Non-UL	Color	Conductor
30-9608	Ivory	4
30-9608-BU	Ivory	4

Notes: Complies with USOC numbers RJ11C, RJ13C, RJ1DC



VOICE CONNECTING BOX

For alarm reporting devices. Equipped with 8-position, non-keyed modular jack with shorting bar. Mounts to flat surface.

Non-UL	Color	Conductor
30-9805	Ivory	8



CRIMP TOOLS/TESTER

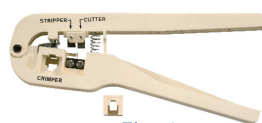


Fig. 1

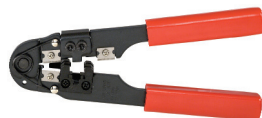


Fig. 2

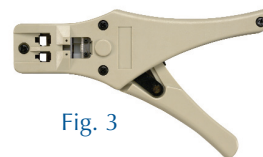


Fig. 3



Fig. 4

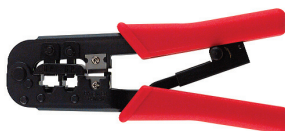


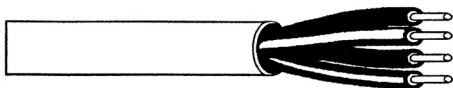
Fig. 5



Fig. 6

Retail Part No.	Bulk Part No.	Figure Number	Description	Features
30-9951	30-9951-BU	1	Modular Crimp Tool	Installs 4-Conductor Modular Plugs
12-001		2	Professional Telco® Crimping Tool	8 Contact Cut, Strip & Crimp Telco/Telephone Wire
12-004		2	Professional Telco® Crimping Tool	4/6 Contact Cut, Strip & Crimp Telco/Telephone Wire
12-005		2	Professional Telco® Crimping Tool	4 Contact Cut, Strip & Crimp Telco/Telephone Wire
12-002		3	Modular Handset Dura Crimp Tool	Crimps 4 & 6 Contact Modular Plugs & 4 Position Handset Plugs
30-9955		4	Modular Crimp Tool	Installs 10-Conductor Modular Plugs
12-2475		5	Dual Cut and Crimp Tool	Cuts & Crimps 8P8C/RJ-45, 6P6C/RJ-12 & 4P4C/RJ 11 Plugs
30-9452		6	Tele-Check Modular Line Tester	Analyzes Modular Phone Line Problems

TELEPHONE WIRE



Station Wire

Jacket: Round, PVC

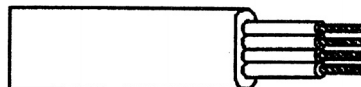
Jacket Color: Beige

Conductor: Solid Copper

Application: Economical, single line straight lay telephone hook-ups.

Part No.	AWG	No. of Conductors	Packaging	Length
30-9902	22	4	Hank	25 ft.
30-9900	22	4	Hank	50 ft.
30-9901	22	4	Hank	100 ft.
30-9985	22	4	Shrink Bag	500 ft.
30-9986	22	4	Shrink Bag	1000 ft.
30-9969	22	6	Hank	100 ft.
30-9996	22	6	Shrink Bag	500 ft.
30-9989	22	6	Shrink Bag	1000 ft.
30-9903*	24	4	Hank	100 ft.
30-9956	24	4	Hank	100 ft.
30-9984	24	4	Shrink Bag	500 ft.
30-9998	24	4	Shrink Bag	1000 ft.
30-9999	24	6	Shrink Bag	1000 ft.

Notes: *UL Listed Type CMX CSA Type CMG



Flat Line Cord

Jacket: PVC

Conductor: 26 AWG-Stranded Copper

Application: For indoor use in connecting telephone unit to wall outlets, handset, answering machines, etc. Terminate with standard modular plugs.

Part No.	No. of Conductor	Color	Packaging	Length
30-9990	4	Sliver	Shrink Bag	500 ft.
30-9927	4	Silver	Hank	50 ft.
30-9928	4	Silver	Hank	100 ft.
30-9920	4	Ivory	Hank	50 ft.
30-9922	4	Ivory	Hank	100 ft.
30-9992	4	Ivory	Shrink Bag	500 ft.
30-9929	4	Silver	Spool	1000 ft.
30-9963	4	Ivory	Spool	1000 ft.
30-9938	6	Silver	Hank	100 ft.
30-9933	6	Ivory	Hank	100 ft.
30-9994	6	Silver	Shrink Bag	500 ft.
30-9939	6	Silver	Spool	1000 ft.
30-9966	6	Ivory	Spool	1000 ft.
30-9948	8	Silver	Spool	500 ft.
30-9949	8	Silver	Spool	1000 ft.

Conductor Color Key

Station & Flat Line Cord Only

4 Conductor	6 Conductor	8 Conductor
	Orange	Orange
Black	Black	Black
Red	Red	Red
Green	Green	Green
Yellow	Yellow	Yellow
	Brown	Brown
		Blue
		White

Shrink Bag

- Durable & Waterproof
- Easy pullout
- Holds shape without uncoiling
- View remaining cable
- Space saving



Hank

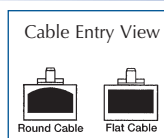
- Card or tab retail packing
- Great for showroom display
- Suggestive selling on back



Spool

- Traditional put up
- Easy to read labeling
- Plastic wrapped, no rubber bands





RJ-22 4-Conductor (4p4c) - (Handset)

Part No.	Figure Number	Description	Packaging	Quantity
30-9912	1	Flat Stranded, 3 Micron	Card	10
30-9912-100	1	Flat Stranded, 3 Micron	Polybag	100
30-8964	1	Round Stranded, 15 Micron	Card	10
30-8964-100	1	Round Stranded, 15 Micron	Polybag	100



Fig. 1

RJ-11 4-Conductor (6p4c)

Part No.	Figure Number	Description	Packaging	Quantity
30-9910	2	Flat Stranded, 3 Micron	Card	10
30-9910-100	2	Flat Stranded, 3 Micron	Polybag	100
30-8954	2	Flat Stranded, 15 Micron	Card	10
30-8954-100	2	Flat Stranded, 15 Micron	Polybag	100
30-8955-100	2	Flat Stranded, 50 Micron	Polybag	100



Fig. 2

RJ-12 6-Conductor (6p6c)

Part No.	Figure Number	Description	Packaging	Quantity
30-9914	3	Flat Stranded, 3 Micron	Card	10
30-9914-100	3	Flat Stranded, 3 Micron	Polybag	100
30-8956	3	Flat Stranded, 15 Micron	Card	10
30-8956-100	3	Flat Stranded, 15 Micron	Polybag	100
30-8957-100	3	Flat Stranded, 50 Micron	Polybag	100
30-8986	3	Round Stranded, 15 Micron	Card	10
30-8986-100	3	Rounded Stranded, 15 Micron	Polybag	100



Fig. 3

RJ-45 8-Conductor (8p8c)

Part No.	Figure Number	Description	Packaging	Quantity
30-9918	4	Flat Stranded, 3 Micron	Card	10
30-9918-100	4	Flat Stranded, 3 Micron	Polybag	100
30-8958	4	Flat Stranded, 15 Micron	Card	10
30-8958-100	4	Flat Stranded, 15 Micron	Polybag	100
30-8959-100	4	Flat Stranded, 50 Micron,100	Polybag	100
30-8988	4	Round Stranded, 15 Micron	Card	10
30-8988-100	4	Round Stranded, 15 Micron	Polybag	100



Fig. 4

RJ-45 8-Conductor Keyed (8p8c)

Part No.	Figure Number	Description	Packaging	Quantity
30-8968	5	Flat Stranded, 15 Micron	Card	10
30-8968-100	5	Flat Stranded, 15 Micron	Polybag	100
30-8969-100	5	Flat Stranded, 50 Micron	Polybag	100



Fig. 5

MODULAR PLUGS (Cont.)

RJ-45 8-Conductor Shielded

Part No.	Figure Number	Description	Packaging	Quantity
30-8990-100	1	Stranded, 50 Micron	Polybag	100 
30-8992	1	Solid, 50 Micron	Card	10 
30-8992-100	1	Solid, 50 Micron	Polybag	100 

Cat 5 8-Conductor (8p8c)

Part No.	Figure Number	Description	Packaging	Quantity
30-8994	2	Round, 50 Micron	Card	10
30-8994-100	2	Round, 50 Micron	Polybag	100

Cat 5e 8-Conductor (8p8c)

Part No.	Figure Number	Description	Packaging	Quantity
30-9921-100	4	Round Solid, 50 Micron	Polybag	100

Cat 6 8-Conductor (8p8c)

Part No.	Figure Number	Description	Packaging	Quantity
30-9923-100	3	Round Solid, 50 Micron	Polybag	100

RJ-50 10 Conductor (10p10c)

Part No.	Figure Number	Description	Packaging	Quantity
30-8910-100	4	Round Stranded, 3 Micron	Polybag	100

Wire Nail Clips for Telephone Wire

Part No.	Figure Number	Description	Packaging	Quantity
30-9944	5	Wire Nail Clips	Polybag	20
30-9944-100	5	Wire Nail Clips	Polybag	100

Adhesive Wire Clips for Telephone Wire

Part No.	Figure Number	Description	Packaging	Quantity
30-9947	6	Adhesive Wire Clips	Polybag	12

Telephone Tap Connector

Part No.	Figure Number	Description	Packaging	Quantity
30-8933	7	Tap Connector	C1 Card	10 
30-8933-100	7	Tap Connector	Polybag	100 

Telephone Butt Splice

Part No.	Figure Number	Description	AWG	Packaging	Quantity
30-8931	8	Butt Splice	19-26	C1 Card	10
30-8931-100	8	Butt Splice	19-26	Polybag	100
30-8932	8	Butt Splice	22-26	C1 Card	10
30-8932-100	8	Butt Splice	22-26	Polybag	100



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

TELEPHONE

TELEPHONE CORD

Telephone Cords

Modular Handset Coil Cords

5.25"	6'	7'	12'	15'	25'	50'	100'	Color	AWG	Conductor
			30-9526		30-9536			Ash	26	4
			30-9521		30-9531			Beige	26	4
					30-9531-BU			Beige	26	4
			30-9519		30-9529			Black	26	4
					30-9529-BU			Black	26	4
			30-9524		30-9534			Brown	26	4
			30-9541		30-9551			Gray	26	4
			30-9528		30-9538			Ivory	26	4
					30-9538-BU			Ivory	26	4
	30-9565		30-9525		30-9535			Light Almond	26	4
					30-9535-BU			Light Almond	26	4
			30-9520		30-9530			White	26	4
					30-9530-BU			White	26	4
			30-9571		30-9581			Cream	26	4
			30-9571-BU		30-9581-BU			Cream	26	4



Modular Handset Flat Cord

5.25"	6'	7'	12'	15'	25'	50'	100'	Color	AWG	Conductor
				30-9504-BU				Ivory	26	4



Extension Cords (Modular Plug to Plug)

5.25"	2'	7'	12'	15'	25'	50'	100'	Color	AWG	Conductor
					30-9509			Light Almond	26	4
					30-9512			Ash	26	4
					30-9507			Black	26	4
		30-9559		30-9513	30-9514	30-9549	30-9548	Ivory	26	4
				30-9513-BU	30-9514-BU			Ivory	26	4
					30-9567			Ivory	26	6
30-9546		30-9569		30-9515	30-9516			Silver	26	4
		30-9569-BU		30-9515-BU	30-9516-BU			Silver	26	4
		30-9575		30-9566	30-9576			Silver	26	6
				30-9568	30-9578			Silver	26	8
	30-9572	30-9579		30-9502	30-9503		30-9553	White	26	4
					30-9503-BU			White	26	4
					30-9577			White	26	6



Modular Telephone Replacement Cords (Spade Lugs to Modular Plug)

5.25"	6'	7'	12'	15'	25'	50'	100'	Color	AWG	Conductor
	30-9544				30-9545			Ivory	26	4
					30-9545-BU			Ivory	26	4
	30-9540				30-9542			Silver	26	4
	30-9540-BU							Silver	26	4



Extension Cords (Plug to Single Modular Jack)

5.25"	6'	7'	12'	15'	25'	50'	100'	Color	AWG	Conductor
					30-9506			Ivory	26	4
					30-9506-BU			Ivory	26	4
					30-9586			White	26	4



Extension Cords (Plug to Twin Modular Jack)

5.25"	6'	7'	12'	15'	25'	50'	100'	Color	AWG	Conductor
					30-9508			Ivory	26	4



ADAPTERS/COUPLERS



Fig. 1



Fig. 3



Fig. 5



Fig. 7



Fig. 9

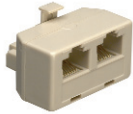


Fig. 2



Fig. 4



Fig. 6



Fig. 8



Fig. 10

Modular Adapters

Retail Part No.	Bulk Part No.	Figure Number	Male Contact	# Female Jacks	# Female Contacts per Jack	Color	Function
30-9654	30-9654-BU	1	4	2	4	Ivory	Splits a 4 conductor jack into 2, 4 conductor jacks
30-9615	30-9615-BU	1	4	2	4	White	Splits a 4 conductor jack into 2, 4 conductor jacks
30-9647	30-9647-BU	1	6	2	6	Ivory	Splits a 6 conductor jack into 2, 6 conductor jacks
30-9646	30-9646-BU	1	6	2	6	White	Splits a 6 conductor jack into 2, 6 conductor jacks
30-9649	30-9649-BU	2	8	2	8	Ivory	Splits an 8 conductor jack into 2, 8 conductor jacks
30-9648	30-9648-BU	2	8	2	8	White	Splits an 8 conductor jack into 2, 8 conductor jacks
30-9655	-	3	4	2	2x2	Ivory	Converts a 2-line jack into 2 single jacks
30-9656	30-9656-BU	4	4	3	4	Ivory	Splits a 4 conductor jack into 3, 4 conductor jacks
30-9617	30-9617-BU	4	4	3	4	White	Splits a 4 conductor jack into 3, 4 conductor jacks
30-9658	-	5	4	3	1x4, 2x2	Ivory	Converts a 2-line jack into 1-2 combo, and 2 single jacks
30-9663	-	4	6	3	2	Ivory	Splits a 6 conductor jack into 3, 2 conductor jacks
30-9664	-	4	6	3	2	White	Splits a 6 conductor jack into 3, 2 conductor jacks

Modular In-line Couplers

Retail Part No.	Bulk Part No.	Figure Number	# Female Jacks	# Female Contacts per JACKS	Color	Function
30-9678	30-9678-BU	6	2	4	Ivory	Reverse - Voice Communications
30-9618	30-9618-BU	6	2	4	White	Reverse - Voice Communications
30-9686	30-9686-BU	6	2	6	Ivory	Reverse - Voice Communications
30-9682	30-9682-BU	6	2	6	Ivory	Straight through - Data Communications
30-9687	30-9687-BU	6	2	6	White	Reverse - Voice Communications
30-9683	30-9683-BU	6	2	6	White	Straight through - Data Communications
30-9688	30-9688-BU	6	2	8	Ivory	Reverse - Voice Communications
30-9684	30-9684-BU	6	2	8	Ivory	Straight through - Data Communications
30-9689	30-9689-BU	6	2	8	White	Reverse - Voice Communications
30-9685	30-9685-BU	6	2	8	White	Straight through - Data Communications

Modular 3-Way Couplers

Retail Part No.	Figure Number	# Female JACKS	# Female Contacts per Jack	Color	Function
30-9679	7	3	4	Ivory	Creates 2 modular jack outlet for the end of a modular extension cord
30-9669	7	3	4	White	Creates 2 modular jack outlet for the end of a modular extension cord

Retrofit Adapters

Retail Part No.	Bulk Part No.	Figure Number	Male Contact	# Female JACKS	# Female Contacts per Jack	Color	Function
30-9600	30-9600-BU	8	Screw Term	1	4	Ivory	Converts hardwired system to modular, w/ cover
30-9601	30-9601-BU	8	Screw Term	1	4	White	Converts hardwired system to modular, w/ cover
30-9650	30-9650-BU	9	4 Prong	1	4	Ivory	Converts standard 4 prong to modular
30-9652		10	Spade Lug	1	4	Ivory	Connects a standard phone to a modular jack



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Retail Part No.	Bulk Part No.	Figure Number	Description	Features
30-6000		1	Standard Telephone Pick-up	For Recording or Amplifying Both Sides of a Conversation
30-9314		2	The Tangle-Tamer	Keeps Telephone Cords From Tangling
30-9310	30-9310-BU	3	Twistfree-Clear	Prevents Cords From Becoming Twisted & Tangled
30-9312		3	Twistfree-Light Almond	Prevents Cords From Becoming Twisted & Tangled
30-9313		3	Twistfree-White	Prevents Cords From Becoming Twisted & Tangled
30-9835		4	Outdoor Telephone Bell	Weather Resistant; Ideal For Factory, Farm or Garage
30-9880		5	60 Minute Microcassettes	2-pack of Olympus Authorized Licensed Microcassettes
30-9885		6	30 Minute Incoming Cassette	Cassette records up to 30 Minutes of Incoming Calls



Fig. 12



Fig. 13



Fig. 14

Retail Part No.	Bulk Part No.	Figure Number	Description	Features
30-7940		12	Battery Saver/Charger	Unlimited use while plugged into your vehicle. Charges both Ni-MH & Ni-Cd
30-7950		13	Motorola® Micro Tac Leather Case	Protects phone from everyday use. Belt clip for carrying convenience
30-7960		14	AC/DC Rapid Charger & Conditioner	Charges both Ni-MH & Ni-Cd. AC adapter for home/office. DC adapter for car use

MULTI-LINE PRODUCTS

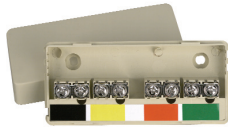


Fig. 6



Fig. 7



Fig. 8

Retail Part No.	Bulk Part No.	Figure Number	Description	Features
30-9800	30-9800-BU	6	Wire Junction-With Modular Plug	Enables You to Add Outlets For Telephones
30-9801	30-9801-BU	6	Wire Junction Without Modular Plug	Enables You to Add Outlets For Telephones
30-9802		7	5-Outlet Modular 4 Conductor Junction Box w/Cord	Use 5 Telephone Devices From One Jack
30-9812		8	3-Line Multi-Line-to-Modular Jack Adapter	Converts Multi-Line Service 50 Pin Connector

AUDIO ENHANCEMENT PRODUCTS



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Retail Part No.	Bulk Part No.	Figure Number	Description	Features
30-7501		9	Telephone Amplifier	Increases Volume
30-7520		10	Telephone Extension Ringer	Use in Basement, Garage, Laundry Room, Etc.
30-7521		11	Telephone Extension Ringer	Combo Light & Ringer For Remote Locations
30-7523		12	Light Flasher	Visually Signals Incoming Calls
30-7525		13	Strobe Flasher	Bright Strobe & Ringing Alert

TELEPHONE PROGRAMS (Cont.)

- Basic Telephone Program 49-2304-H
- 55 Telephone Part Numbers
- 4 Foot Program
- Jacks, Wall Plates, Cords, Adapters, Couplers, Tool



Display Rack Part No. 49-2304-H

TELEPHONE PROGRAMS (Cont.)

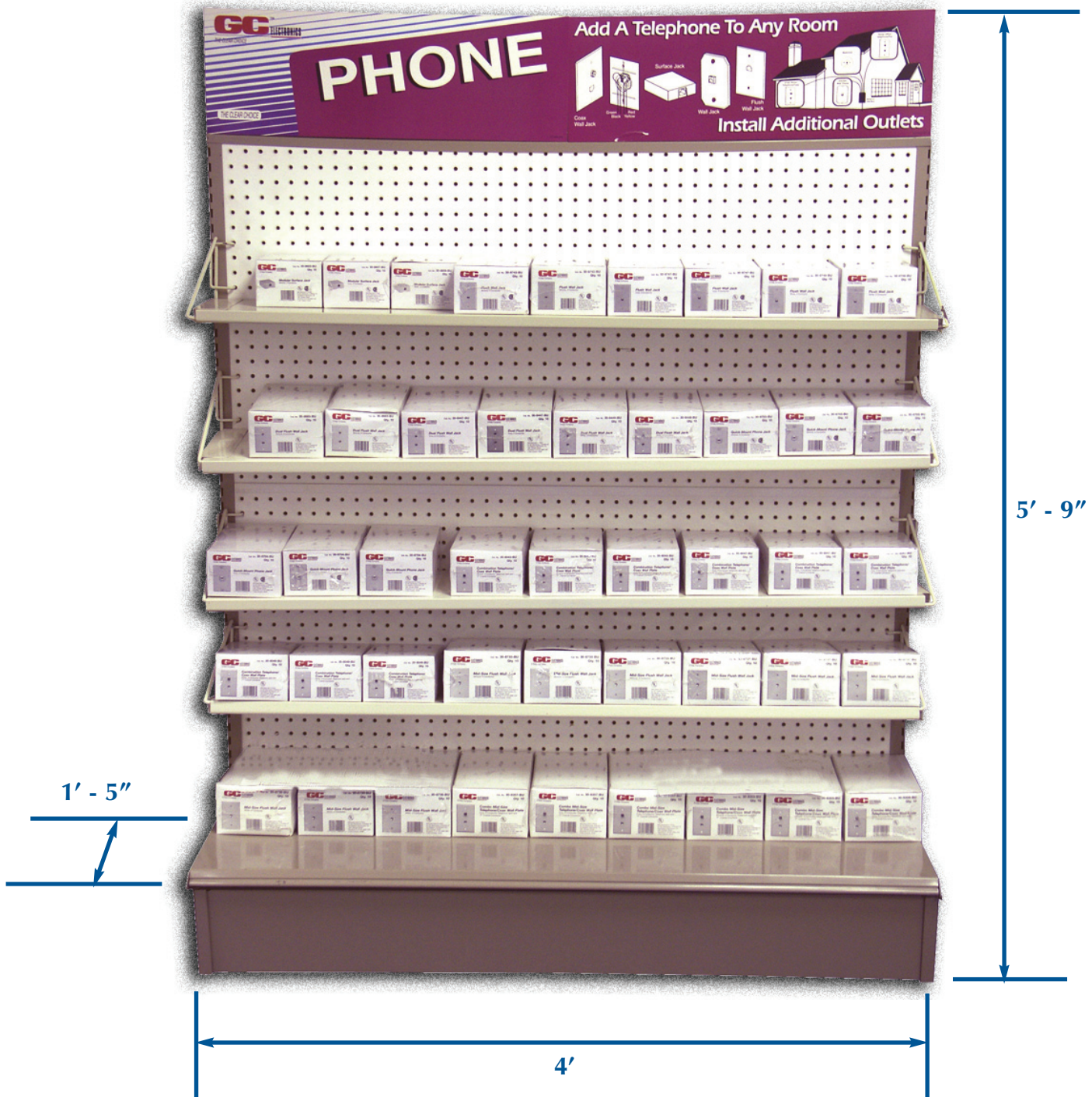
- Basic Telephone Program 49-2304-H
- 55 Telephone Part Numbers
- 4 Foot Program
- Jacks, Wall Plates, Cords, Adapters, Couplers, Tool Program Contents

Retail Part No.	Quantity Per Program	Quantity Package	Description
12-002	3	1	Dura-Crimp Tool for RJ11 & RJ12 (4C&6C)
30-8627	4	1	Modular Surface Jack 6P6C Ivory UL/CSA
30-8687	3	1	Modular Surface Jack 8P8C Ivory UL/CSA
30-8931	3	1	Telephone Butt Splice, 19-26 AWG
30-8932	6	1	Telephone Butt Splice, 22-26 AWG
30-9310	4	1	Twistfree Clear
30-9314	4	1	The Untangler Clear
30-9452	4	1	Tele-Check Modular Line Tester
30-9502	2	1	Modular Plug-Plug Cord 15' White
30-9503	4	1	Modular Plug-Plug Cord 25' White
30-9506	4	1	Modular Plug-Modular Jack 25' White
30-9508	3	1	Modular Plug-Twin Modular Jack 25' Ivory
30-9513	4	1	Modular Plug-Plug Cord 15' Ivory
30-9514	4	1	Modular Plug-Plug Cord 25' Ivory
30-9515	4	1	Modular Plug-Plug Cord 15' Silver
30-9516	4	1	Modular Plug-Plug Cord 25' Silver
30-9519	3	1	Modular Handset Coil Cord 12' Black
30-9520	3	1	Modular Handset Coil Cord 12' White
30-9525	3	1	Modular Handset Coil Cord 12' Almond
30-9526	3	1	Modular Handset Coil Cord 12' Ash
30-9528	3	1	Modular Handset Coil Cord 12' Ivory
30-9529	3	1	Modular Handset Coil Cord 25' Black
30-9530	3	1	Modular Handset Coil Cord 25' White
30-9535	3	1	Modular Handset Coil Cord 25' Almond
30-9549	3	1	Modular Plug-Plug Cord 50' Ivory
30-9559	6	1	Modular Plug-Plug Cord 7' Ivory
30-9604	6	1	Modular Surface Jack 6P4C Ivory
30-9605	6	1	Dual Modular Surface Jack 6P4C Ivory
30-9614	6	1	Modular Surface Jack 6P4C White
30-9615	4	1	Modular T Adapter 6P4C White
30-9618	6	1	Modular In-Line Coupler 6P4C Wht Rev.
30-9654	6	1	Modular T Adapter 6P4C Ivory
30-9655	3	1	Two-Line Adapter 6P4C to L1, L2
30-9656	4	1	Modular Triplex Adapter 6P4C Ivory
30-9658	4	1	Two-Line Triplex Adapter 6P4C Ivory
30-9678	6	1	Modular In-Line Coupler 6P4C Ivory Rev.
30-9679	4	1	3-Way Coupler 6P4C Ivory
30-9684	3	1	Modular In-Line Coupler 8P8C Ivry Straight
30-9685	3	1	Modular In-Line Coupler 8P8C Wht Straight
30-9686	6	1	Modular In-Line Coupler 6P6C Ivory Rev.
30-9688	6	1	Modular In-Line Coupler 8P8C Ivory Rev.
30-9703	4	1	Dual Flush Jack 6P4C Ivory
30-9707	4	1	Flush Wall Jack 6P4C Ivory
30-9713	4	1	Dual Flush Jack 6P4C White
30-9717	4	1	Flush Wall Jack 6P4C White
30-9732	4	1	Combo Tele/Coax Wall Plate 6P4C Ivry
30-9733	4	1	Combo Tele/Coax Wall Plate 6P4C Wht
30-9901	3	1	22/4 Solid Station Wire 100' Beige
30-9910	6	10	6p4c Modular Plug Flat Stranded 3μ
30-9912	6	10	4p4c Modular Plug Flat Stranded 3μ

Retail Part No.	Quantity Per Program	Quantity Package	Description
30-9914	6	10	6p6c Modular Plug Flat Stranded 3μ
30-9920	3	1	26/4 Strand Line Cord 50' Ivory
30-9928	3	1	26/4 Strand Line Cord 100' Silver
30-9985	1	1	22/4 Solid Station Wire 500' Beige
30-9990	1	1	26/4 Strand Line Cord 500' Silver
49-512-10R	60	1	6" Hooks
49-2304-H3	1	1	Reorder Card Set
75-2055-R	1	1	Display Rack
75-3001-5R	4	1	Brackets
75-3001-6R	4	1	Two Sided Tape
GC-0HDR-7876	1	1	4' Phone Header
GC-PKRM-7805	1	1	Packing List and Roadmap

TELEPHONE PROGRAMS (Cont.)

- Top 20 UL/CSA Wall Plates Program 49-2320
- 20 Telephone Part Numbers
- 4 Foot Program
- UL/CSA Wall Plates



Display Rack Part No. 49-2320

TELEPHONE PROGRAMS (Cont.)

- Top 20 UL/CSA Wall Plates Program 49-2320
- 20 Telephone Part Numbers
- 4 Foot Program
- UL/CSA Wall Plates

Program Contents:

Bulk Part No.	Quantity Per Program	Quantity Package	Description
30-8043-BU	5	10	Combo TV&Telephone Wallplate, 6P4C Lt Almond UL/CSA
30-8047-BU	5	10	Combo TV&Telephone Wallplate, 6P4C Ivory UL/CSA
30-8049-BU	5	10	Combo TV&Telephone Wallplate, 6P4C White UL/CSA
30-8353-BU	4	10	Combo Mid-Size Wallplate,TV&6P4C Tele Lt Almond UL/CSA
30-8357-BU	4	10	Combo Mid-Size Wallplate, TV&6P4C Tele Ivory UL/CSA
30-8359-BU	4	10	Combo Mid-Size Wallplate, TV&6P4C Tele White UL/CSA
30-8447-BU	4	10	Telephone-Dual Wallplate, 6P4C Ivory UL/CSA
30-8449-BU	4	10	Telephone-Dual Wallplate, 6P4C White UL/CSA
30-8603-BU	5	10	Telephone-Single Surface Jack, 6P4C Lt Almond UL/CSA
30-8607-BU	5	10	Telephone-Single Surface Jack, 6P4C Ivory UL/CSA
30-8609-BU	5	10	Telephone-Single Surface Jack, 6P4C White UL/CSA
30-8663-BU	4	10	Telephone-Dual Wallplate, 6P6C Lt Almond UL/CSA
30-8703-BU	3	10	Telephone-Wall Phone Jack, 6P4C Lt Almond UL/CSA
30-8704-BU	3	10	Quick Mount Wall Phone Jack, 6P4C Ivory UL/CSA
30-8733-BU	5	10	Tele-Single Mid-Size Wallplate, 6P4C Lt Almond UL/CSA
30-8737-BU	5	10	Tele-Single Mid-Size Wallplate, 6P4C Ivory UL/CSA
30-8739-BU	5	10	Tele-Single Mid-Size Wallplate, 6P4C White UL/CSA
30-8743-BU	6	10	Tele-Single Wallplate, 6P4C Lt Almond UL/CSA
30-8747-BU	6	10	Telephone-Single Wallplate, 6P4C Ivory UL/CSA
30-8749-BU	6	10	Telephone-Single Wallplate, 6P4C White UL/CSA
49-430-2R	2		Shelf Set
75-2055-R	1		4' Display
75-3001-5R	4		L Bracket for Header
75-3001-6R	4		2 Sided Tape for Brackets
GC-0HDR-7876	1		4' Phone Header
GC-PKRM-7651	1		Packing List and Roadmap

TELEPHONE PROGRAMS (Cont.)

- Top 21 Contractors Bulk Program 49-2321
- 21 Telephone Part Numbers
- 4 Foot Program
- Wall Jacks, Wall Plates



TELEPHONE PROGRAMS (Cont.)

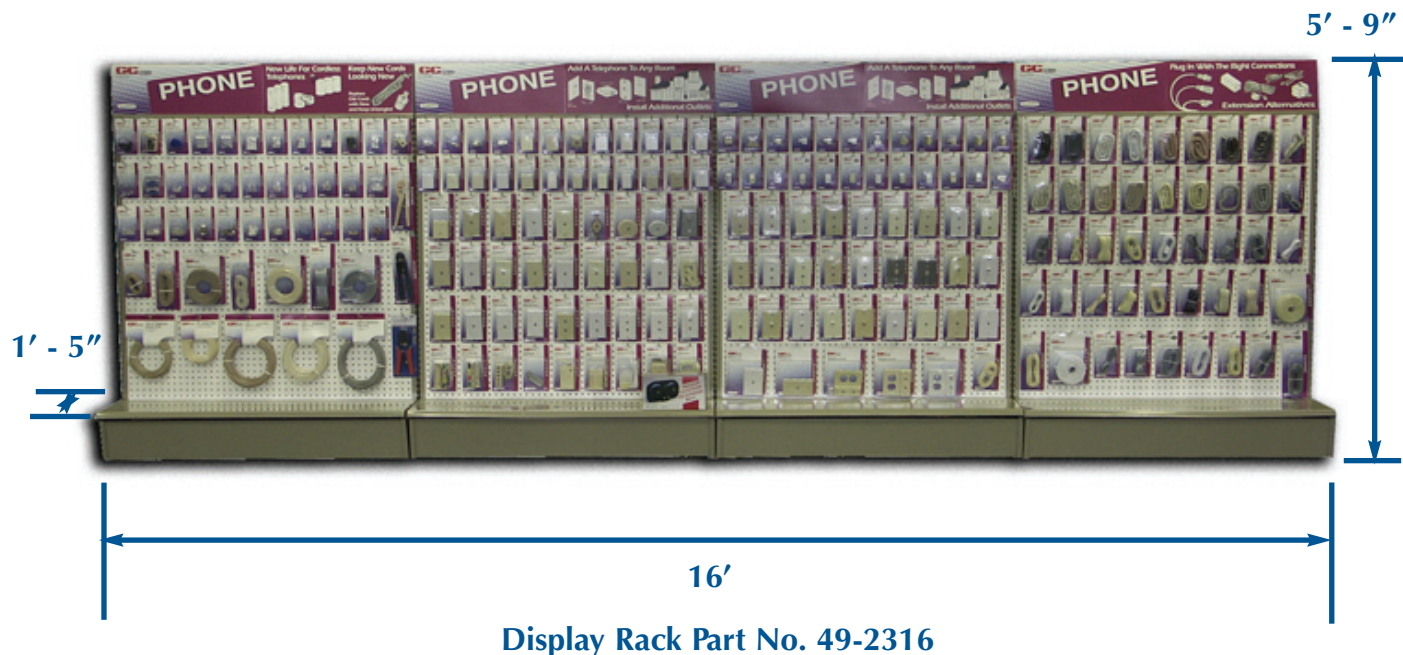
- Top 21 Contractors Bulk Program 49-2321
- 21 Telephone Part Numbers
- 4 Foot Program
- Wall Jacks, Wall Plates

Program Contents:

Bulk Part No.	Quantity Per Program	Quantity Package	Description
30-9604-BU	5	10	Modular Surface Jack, 6P4C, Ivory
30-9614-BU	5	10	Modular Surface Jack, 6P4C, White
30-9703-BU	3	10	Dual Flush Wall Jack, 6P4C, Ivory
30-9704-BU	4	10	Quick Mount Wall Phone Jack, 6P4C, Ivory
30-9707-BU	9	10	Flush Wall Jack, 6P4C, Ivory
30-9713-BU	3	10	Dual Flush Wall Jack, 6P4C, White
30-9714-BU	4	10	Quick Mount Wall Phone Jack, 6P4C, White
30-9717-BU	9	10	Flush Wall Jack, 6P4C, White
30-9722-BU	6	10	Mid-Size Flush Wall Jack, 6P4C, Lt. Almond
30-9726-BU	6	10	Mid-Size Flush Wall Jack, 6P4C, White
30-9729-BU	6	10	Mid-Size Flush Wall Jack, 6P4C, Ivory
30-9731-BU	5	10	Combo Telephone/Coax Wall Plate, Lt. Almond
30-9732-BU	5	10	Combo Telephone/Coax Wall Plate, Ivory
30-9733-BU	5	10	Combo Telephone/Coax Wall Plate, White
30-9743-BU	3	10	Dual Flush Wall Jack 6P4C, Lt. Almond
30-9744-BU	4	10	Quick Mount Wall Phone Jack, 6P4C, Lt. Almond
30-9746-BU	5	10	Modular Surface Jack, 6P4C, Lt. Almond
30-9747-BU	9	10	Flush Wall Jack, 6P4C, Lt. Almond
30-9764-BU	3	10	Décor Wall Plate, 6P4C, Lt. Almond
30-9767-BU	3	10	Décor Wall Plate, 6P4C, Ivory
30-9777-BU	3	10	Décor Wall Plate, 6P4C, White
49-430-2R	2		Shelf Set
75-2055-R	1		4 Foot Display Rack
75-3001-5R	4		L Brackets for Header
75-3001-6R	4		2 Sided Tape for Brackets
GC-0HDR-7876	1		4' Phone Header
GC-PKRM-7652	1		Packing List and Roadmap

TELEPHONE PROGRAMS (Cont.)

- Full Line Telephone Program 49-2316
- 21 Telephone Part Numbers
- 16 Foot Program
- Wall Jacks, Wall Plates, Cords, Batteries, Tools, Plugs, Couplers, Flashers, Adapters



TELEPHONE PROGRAMS (Cont.)

- Full Line Telephone Program 49-2316
 - 21 Telephone Part Numbers
 - 16 Foot Program
 - Wall Jacks, Wall Plates, Cords, Batteries, Tools, Plugs, Couplers, Flashers, Adapters
- Program Contents:

Retail Part No.	Quantity Per Program	Quantity Package	Description
12-2475	2	1	7 1/2" Metal Crmp for RJ11/RJ12/RJ45w/Ratchet
30-6000	2	1	Standard Telephone Pickup
30-7501	2	1	Telephone Amplifier
30-7520	2	1	Telephone Extension Ringer
30-7521	2	1	Telephone Extension Ringer
30-7525	2	1	Strobe Flasher
30-8443	2	1	Dual Wall Plate, 6P4C, Lt. Almond, UL/cUL
30-8447	2	1	Dual Wall Plate, 6P4C, Ivory, UL/cUL
30-8449	2	1	Dual Wall Plate, 6P4C, White, UL/cUL
30-8603	2	1	Single Surface Jack, 6P4C, Lt. Almond, UL/cUL
30-8607	2	1	Single Surface Jack, 6P4C, Ivory, UL/cUL
30-8609	2	1	Single Surface Jack, 6P4C, White, UL/cUL
30-8613	2	1	Dual Surface Jack, 6P4C, Lt. Almond, UL/cUL
30-8617	2	1	Dual Surface Jack, 6P4C, Ivory, UL/cUL
30-8619	2	1	Dual Surface Jack, 6P4C, White, UL/cUL
30-8623	2	1	Single Surface Jack, 6P6C, Lt. Almond, UL/cUL
30-8627	2	1	Single Surface Jack, 6P6C, Ivory, UL/cUL
30-8629	2	1	Single Surface Jack, 6P6C, White, UL/cUL
30-8657	2	1	Dual Wall Plate Surface Mount, 8P8C, UL, Ivory
30-8663	2	1	Dual Wall Plate, 6P6C, Lt. Almond, UL/cUL
30-8667	2	1	Dual Flush Wall Plate, 6P6C, Ivory, UL/cUL
30-8669	2	1	Dual Flush Jack, 6P6C, White, UL/cUL
30-8683	2	1	Single Surface Jack, 8P8C, Lt. Almond, UL/cUL
30-8687	2	1	Single Surface Jack, 8P8C, Ivory, UL/cUL
30-8689	2	1	Single Surface Jack, 8P8C, White, UL/cUL
30-8703	2	1	Wall Phone Jack, 6P4C, Lt. Almond, UL/cUL
30-8704	2	1	Wall Phone Jack, 6P4C, Ivory, UL/cUL
30-8709	2	1	Wall Phone Jack, 6P4C, White, UL/cUL
30-8733	2	1	Mid-Size Flush Wall Plate, 6P4C, Lt. Almond
30-8737	2	1	Mid-Size Flush Wall Plate, 6P4C, Ivory
30-8739	2	1	Mid-Size Flush Wall Plate, 6P4C, White
30-8743	2	1	Single Wall Plate, 6P4C, Lt. Almond, UL/cUL
30-8747	2	1	Single Wall Plate, 6P4C, Ivory, UL/cUL
30-8749	2	1	Single Wall Plate, 6P4C, White, UL/cUL
30-8763	2	1	Single Flush Wall Plate, 6P4C, Lt. Almond
30-8767	2	1	Flush Wall Jack, 6P6C, Ivory, UL/cUL
30-8769	2	1	Flush Wall Jack, 6P6C, White, UL/cUL
30-8787	2	1	Keyed Flush Jack, 8P8C, Ivory, UL/cUL
30-8789	2	1	Keyed Flush Jack, 8P8C, White, UL/cUL
30-8803	2	1	Dual Wall Plate, 8P8C, Lt. Almond, UL/cUL
30-8807	2	1	Dual Wall Plate, Keyed, 8P8C, Ivory, UL/cUL
30-8809	2	1	Dual Wall Plate, Keyed, 8P8C, White, UL/cUL
30-8931	2	10	Telephone Butt Splice, 19-26 AWG
30-8932	2	10	Telephone Butt Splice, 22-26 AWG
30-8933	2	10	Telephone Tap Connector
30-8954	2	10	Flat Stranded, Mod. Plug, 6P4C, 15μ
30-8956	2	10	6P6C Mod Plug Flat Stranded, 15μ
30-8958	2	10	Flat Stranded, Mod Plug, 8P8C, 15μ
30-8964	2	10	Round Stranded, Mod. Plug, 4P4C, 15μ

Retail Part No.	Quantity Per Program	Quantity Package	Description
30-8968	2	10	Modular Plug Ends, 8P8C
30-8986	2	10	Modular Plug Ends, 6P6C
30-8988	2	10	Round Stranded Mod Plug, 8P8C, 15μ
30-8992	2	10	RJ-45 Mod Plugs, Solid, 50μ
30-8994	2	10	RJ-45, 8P8C Rnd, Solid, Mod Plugs 50μ
30-9310	2	1	Twistfree-Clear
30-9312	2	1	Twistfree-Almond
30-9313	2	1	Twistfree-White
30-9314	2	1	The Untangler-Clear
30-9433	2	1	Cordless Tele Battery 3.6v, 250mAh
30-9452	2	1	Telecheck Mod. Line Tester
30-9473	2	1	Cordless Tele Battery 3.6v, 500mAh
30-9475	2	1	Cordless Tele Battery
30-9491	2	1	Cordless Tele Battery 3.6v, 270mAh
30-9493	2	1	Cordless Tele Battery 4.0v, 500mAh
30-9494	2	1	Cordless Tele Battery 3.6v, 270mAh
30-9495	2	1	Cordless Tele Battery 3.6v, 270mAh
30-9499	2	1	Cordless Tele Battery 3.6v, 270mAh
30-9502	2	1	Mod UL/cUL plug/plg, 6P4C 15' cord, wht
30-9503	2	1	Mod UL/cUL plug/plg, 6P4C 25' cord, wht
30-9506	2	1	Mod Plug/Jack, 25' Cord, Ivory
30-9507	2	1	Mod Plug/Plug, 6P4C, 25' Cord, Blk
30-9508	2	1	Twin Mod Jack, 25' Cord, Ivory
30-9509	2	1	Ext Cord, Mod/Mod Plug, 25' Almond
30-9512	2	1	Mod Plug/Plug, 6P4C, 25' Cord, Ash
30-9513	2	1	Mod Line Cord, 6P4C, 15' 26ga. Ivory
30-9514	2	1	Mod Plug/Plug Cord, 6P4C, 25', Ivory
30-9515	2	1	Mod Line Cord, 6P4C, 15' Silver
30-9516	2	1	Mod Line Cord, 6P4C, 25' Silver
30-9519	2	1	Handset Coil Cord, 12' Black
30-9520	2	1	Handset Coil Cord, 12' White
30-9521	2	1	Handset Coil Cord, 12' Beige
30-9524	2	1	Handset Coil Cord, 12' Brown
30-9525	2	1	Handset Coil Cord, 12' Almond
30-9526	2	1	Handset Coil Cord, 12' Ash
30-9528	2	1	Handset Coil Cord, 12' Ivory
30-9529	2	1	Handset Coil Cord, 25' Black
30-9530	2	1	Handset Coil Cord, 25' White
30-9531	2	1	Handset Coil Cord, 25' Beige
30-9534	2	1	Handset Coil Cord, 25' Brown
30-9535	2	1	Handset Coil Cord, 25' Almond
30-9536	2	1	Handset Coil Cord, 25' Ash
30-9538	2	1	Handset Coil Cord, 25' Ivory
30-9540	2	1	Mod Tele Replacement Cord, 6' Silver
30-9541	2	1	Handset Coil Cord, 12' Grey
30-9542	2	1	Mod Replace Cord, plug/lugs 25' Silver
30-9544	2	1	Mod Replace Cord, plug/lugs 6' Ivory
30-9545	2	1	Mod Replace Cord, plug/lugs 25' Ivory
30-9546	2	1	Mod Plug/Plug Cord, 6P4C, 5 1/4", Silver

TELEPHONE PROGRAMS (Cont.)

- Full Line Telephone Program 49-2316
- 21 Telephone Part Numbers
- 16 Foot Program
- Wall Jacks, Wall Plates, Cords, Batteries, Tools, Plugs, Couplers, Flashers, Adapters

Program Contents Continued:

Retail Part No.	Quantity Per Program	Quantity Package	Description
30-9548	2	1	Mod. Line Cord 6P4C 100' Ivory
30-9549	2	1	Mod. Plug/Plug Cord 6P4C 50' Ivory
30-9551	2	1	Handset Coil Cord 25' Grey
30-9553	2	1	Mod UL/cUL Line Cord, 6P4C ,100' White
30-9559	2	1	Mod UL/cUL plg/plg Cord, 6P4C 7' Ivory
30-9565	2	1	Handset Coil Cord, 6' Lt. Almond
30-9566	2	1	Mod UL/cUL plg/plg Cord, 6P6C 15' Silver
30-9567	2	1	Mod UL/cUL plg/plg Cord, 6P6C 15' Ivory
30-9568	2	1	Mod UL/cUL plg/plg Cord, 8P8C 15' Silver
30-9569	2	1	Mod UL/cUL plg/plg Cord, 6P4C 7' Silver
30-9575	2	1	Mod UL/cUL plg/plg Cord, 6P6C 7' Silver
30-9576	2	1	Mod UL/cUL plg/plg Cord, 6P6C 25' Silver
30-9577	2	1	Mod UL/cUL plg/plg Cord, 6P6C 25' White
30-9578	2	1	Mod UL/cUL plg/plg Cord, 8P8C 25' Silver
30-9579	2	1	Mod plg/plg Line Cord, 6P4C 7' White
30-9586	2	1	Mod Plug/Mod Jack Ext. Cord 25' White
30-9600	2	1	Surface Jack Mod Converter Ivory
30-9601	2	1	Surface Jack Mod Converter White
30-9603	2	1	Mod Surface Jack (Replacement) 6P4C Ivory
30-9604	2	1	Mod Surface Jack, 6P4C Ivory
30-9605	2	1	Dual Mod Surface Jack, 6P4C Ivory
30-9608	2	1	Mod Flush Jack, 6P4C Ivory
30-9614	2	1	Mod Surface Jack, 6P4C White
30-9615	2	1	ModUL/cUL "T" Adaptor 6P4C White
30-9618	2	1	ModUL/cUL In-Line Coupler 6P4C Wht(Rev)
30-9646	2	1	Mod UL/cUL "T" Adaptor 6P6C White
30-9647	2	1	Mod UL/cUL "T" Adaptor 6P6C Ivory
30-9648	2	1	Mod "T" Duplex Adaptor 8P8C White
30-9649	2	1	Mod "T" Duplex Adaptor 8P8C Ivory
30-9650	2	1	Standard to Mod UL/cUL Adaptor Ivory
30-9652	2	1	Spade Lug/Mod Plug Adaptor Ivory
30-9653	2	1	Telephone Noise Filter
30-9654	2	1	Mod "T" Adaptor, 6P4C Ivory
30-9655	2	1	Two Line Adaptor, 6P4C L1, L2
30-9656	2	1	Mod UL/cUL Triplex Adaptor, 6P4C Ivory
30-9658	2	1	Two Line Triplex Adaptor
30-9663	2	1	Triplex Adaptor 6P6C Ivory
30-9664	2	1	Triplex Adaptor 6P6C White
30-9678	2	1	Mod UL/cUL Inline Coupler 6P4C Ivory(Rev)
30-9679	2	1	3-Way Coupler, 6P4C Ivory
30-9682	2	1	Mod. Inline Coupler 6P6C Ivory(StraightThru)
30-9683	2	1	Mod. Inline Coupler 6P6C White(StraightThru)
30-9684	2	1	Mod. InlineCoupler 8P8C Ivory(StraightThru)
30-9685	2	1	Mod. Inline Coupler 8P8C White(StraightThru)
30-9686	2	1	Mod. Inline Coupler 6P6C Ivory(Reversed)
30-9687	2	1	Mod. Inline Coupler 6P6C White(Reversed)
30-9688	2	1	ModUL/cUL Inline Coupler 8P8C Ivory(Rev)
30-9689	2	1	ModUL/cUL Inline Coupler 8P8C White(Rev)
30-9701	2	1	Flush Wall Jack(Spring Loaded) 6P4C Ivory
30-9702	4	1	Round Flush Jack, 6P4C Ivory

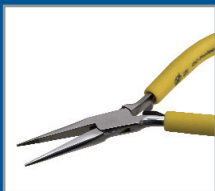
Retail Part No.	Quantity Per Program	Quantity Package	Description
30-9703	2	10	Dual Flush Wall Jack,6P4C Ivory
30-9704	2	10	Quick Mount Wall Jack 6P4C Ivory
30-9705	2	10	WallJack w/dualSideJacks 6P4C Ivory
30-9707	2	10	Flush Wall Jack 6P4C Ivory
30-9713	2	10	Dual Wall Jack 6P4C White
30-9714	2	1	Quick Mount Jack 6P4C White
30-9715	2	1	Elec/Coax/Tele Wall Plate 6P4C Ivory
30-9717	2	1	Flush Wall Plate 6P4C White
30-9718	2	1	Dual Elec/Tele Plate 6P4C Ivory
30-9721	2	1	Round Wall Jack 6P4C White
30-9723	2	1	Wall Jack 6P4C Stainless w/ScrewTerm
30-9724	2	1	Wall Mount Jack 6P4C Stainless
30-9726	2	1	MidsizeFlush Wall Plate 6P4C White
30-9729	2	1	MidsizeFlush Wall Plate 6P4C Ivory
30-9732	2	1	Elec/Coax/Tele Combo Wallplate Ivory
30-9733	2	1	Elec/Coax/Tele Combo Wallplate White
30-9735	2	1	Elec.Coax/Tele Combo Wallplate White
30-9743	2	1	Dual Flush Wall Jack 6P4C Lt.Almond
30-9744	2	1	Quick Mount Jack 6P4C Lt.Almond
30-9745	2	1	WallMt.JackFront,DualSide 6P4C Wht
30-9746	2	1	ModUL/cULSurfaceJack,6P4C Lt.Almd
30-9747	2	1	Flush Wall Jack 6P4C Lt. Almond
30-9767	2	1	Décor Wall Plate 6P4C Ivory
30-9777	2	1	Décor Wall Plate 6P4C White
30-9778	2	1	Tele/Coax Combo Plate 6P4C Ivory
30-9779	2	1	Tele/Coax Combo Plate 6P4C White
30-9790	2	1	Décor Phone Plate 6P6C White
30-9792	2	1	DualDécorFlushWallJack 6P6C White
30-9795	2	1	Keyed Décor WallPlate, 8P8C White
30-9796	2	1	KeyedDualDécorFlushJack 8P8C Wht
30-9797	2	1	Dual Décor Wallplate 6P4C Ivory
30-9798	2	1	Dual Décor Wallplate 6P4C White
30-9800	2	1	Wire Junction Box w/Mod Plugs Ivory
30-9801	2	1	Wire Junction Box w/oModPlugs Ivory
30-9802	2	1	5 Outlet ModUL/cUL Extension Cord
30-9805	2	1	Voice Connecting Box 8P8C Ivory
30-9812	2	1	MUL/cULtoModUL/cUL Jack Adapter
30-9835	2	1	Dual Outdoor Telephone Bell
30-9880	2	1	60 Minute Micro Cassette
30-9900	2	1	Solid Station Wire, 50' Beige
30-9901	2	1	SolidStationWire,100'Beige(22awg,4C)
30-9902	2	1	SolidStationWire,25'Beige(22awg,4C)
30-9903	2	1	SolidStationWire,100'Beige(24awg,4C)
30-9910	4	10	ModUL/cUL Plugs 6P4C (RJ11) 3p
30-9912	2	10	ModUL/cUL Plugs 6P4C (RJ11)4P4C
30-9914	2	10	Mod Plug Ends 6P6C (RJ11)
30-9918	2	10	Mod Plug Ends 8P8C (RJ45), 8P8C
30-9920	2	1	StrandFlatLineModCord,50'Ivory,26awg
30-9922	2	1	StrandFlatLineModCord,100'Ivory 26/4

TELEPHONE PROGRAMS (Cont.)

- Full Line Telephone Program 49-2316
- 21 Telephone Part Numbers
- 16 Foot Program
- Wall Jacks, Wall Plates, Cords, Batteries, Tools, Plugs, Couplers, Flashers, Adapters

Program Contents Continued:

Retail Part No.	Quantity Per Program	Quantity Package	Description
30-9927	2	1	StrandFlatLineModCord,50'Silver,26/4
30-9928	2	1	StrandFlatLineModCord,100'Silver,26/4
30-9933	2	1	StrandFlatLineModCord,100'Ivory,26/6
30-9938	2	1	Flat Line Cord, 100' Silver, 26/6
30-9944	2	20	Wire Nail Clip
30-9947	2	12	Phone Wire Adhesive Clip
30-9951	2	1	ModUL/cUL Crimp Tool, 4 Cond.
30-9955	2	1	ModUL/cUL Plug Crimp Tool,10Cond
30-9956	2	1	Solid Tele Station Wire,100'Beige,24/4
30-9969	2	1	Solid Tele Station Wire,100'Beige,22/6
49-449-10R	215		4" Hooks
49-2316-3	1		Reorder Card Set
75-2055-R	4		4' Display Rack
75-3001-5R	16		L Brackets
75-3001-6R	16		2 Sided Tape
GC-HDR-7876	4		4' Phone Headers
GC-PKRM-7792	1		Packing List/Roadmap



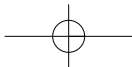
TOOLS



Contents:

- Professional Pliers and Cutters p348-351
- Precision Electronic Screwdrivers and Tool Sets p351-353
- Wire Strippers p353-354
- Prep Tools p355
- Tools for Electronic Application p356-357
- 9000 Series Pro Ratcheting Crimp Tools p358-359
- Installer Crimp Tools p360-361
- Alignment Tools and Tool Kits p362-369
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- Adjustment and Alignment Tools p370
- Static Dissipative Tweezers p371
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TOOLS

GC PROFESSIONAL™ PLIERS AND CUTTERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

Tools

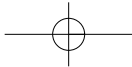
GC Professional™ Pliers and Cutters

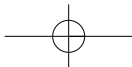
Retail Part No.	Bulk Part No.	Figure No.	Description	Overall Length	Nose Style	Pliers or Cutters Type
12-7301		1	Chain Nose	4.50"	Smooth	Pliers
12-7307		1	Chain Nose	4.50"	Serrated	Pliers
12-7302		2	Chain Nose	5.00"	Smooth	Pliers
12-7308		2	Chain Nose	5.00"	Serrated	Pliers
12-7303		3	Flat Nose	4.50"	Smooth	Pliers
12-7304		4	Flat Nose	5.00"	Smooth	Pliers
12-7305		5	Round Nose	4.50"	Smooth	Pliers
12-7306		6	Round Nose	5.00"	Smooth	Pliers
12-7313		7	Extra Long Bent Nose	6.00"	Smooth	Pliers
12-7314		8	Extra Long Needle Nose	5.75"	Serrated	Pliers
12-7315		9	Long Nose Side Cutter	4.75"	Serrated	Pliers/Cutters
12-7333		10	Long Nose	6.00"	Serrated	Pliers
12-7312		11	Extra Long Bent Nose	5.00"	Smooth	Pliers
12-7311		12	Extra Long Chain Nose	5.00"	Smooth	Pliers

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All quantities are single; BU's are packages of 10 Unless otherwise noted.





TOOLS



GC PROFESSIONAL™ PLIERS AND CUTTERS (Cont.)



Fig. 1



Fig. 2

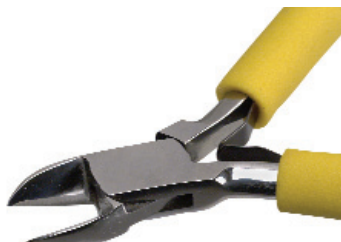


Fig. 3



Fig. 4



Fig. 5



Fig. 6

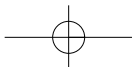


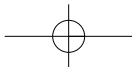
Fig. 7

GC Professional™ Pliers and Cutters (Cont.)

Retail Part No.	Bulk Part No.	Figure No.	Description	Overall Length	Nose Style	Pliers or Cutters Type
12-7309		1	Bent Nose	4.50"	Smooth	Pliers
12-7310		1	Bent Nose	4.50"	Serrated	Pliers
12-7330		2	Flush Tip Cutter	4.50"	Flush	Cutters
12-7321		3	Oval Head Cutter	4.50"	Semi-flush	Cutters
12-7323		3	Oval Head Cutter	4.50"	Flush	Cutters
12-7322		4	Oval Head Cutter	5.00"	Semi-flush	Cutters
12-7324		4	Oval Head Cutter	5.00"	Flush	Cutters
12-7325		5	Tapered Head Cutter	4.50"	Semi-flush	Cutters
12-7326		5	Tapered Head Cutter	4.50"	Flush	Cutters
12-7331		6	Mini Tapered Cutter	4.50"	Flush	Cutters
12-7332		7	Mini Oval Head Cutter	4.50"	Flush	Cutters

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All quantities are single; BU's are packages of 10 Unless otherwise noted.





TOOLS

PLIERS AND CUTTERS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



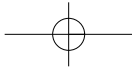
Fig. 10

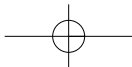


Fig. 11

Palm Grip Pliers

Retail Part No.	Bulk Part No.	Figure No.	Description	Handle Color	Nose Style	Features
12-200		1	Flush Cutter	Red	Flush	
12-204		2	Flat Nose Pliers	Blue	Serrated	
12-208		3	Flat Nose Pliers	White	Non-serrated	
12-212		4	Round Nose Pliers	Yellow	Smooth	
12-216		5	Needle Nose Pliers	Green	Smooth	
12-220		6	Curved Nose Pliers	Orange	Smooth	
12-7070		7	5-piece Precision Pliers Set	Black	Smooth	Includes Micro Snub, Flat, Round, Bent Nose and Long Nose Pliers
12-7071		8	Micro Flat Nose Pliers	Black	Smooth	Perfect for Minimal Jaw Thickness
12-7072		9	Micro Snub Nose Cutting Nipper	Black	Cutter	Ideal for Trimming
12-7073		10	Micro Round Nose Pliers	Black	Smooth	Holds Tiny Wires
12-7075		11	Micro Bent Nose Pliers	Black	Smooth	Reaches/Holds Under PC Boards





TOOLS



PLIERS AND CUTTERS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Pliers and Cutters

Retail Part No.	Bulk Part No.	Figure No.	Description	Handle Color	Overall Length	Nose Style	Weight (Pounds)
12-300		1	Mini Diagonal Cutting Pliers	Orange	4.00"		0.16
12-306		1	Mini Diagonal Cutting Pliers	Orange	4.50"		0.16
12-312		2	Narrow Diagonal Cutting Pliers	Orange	5.00"		0.22
12-318		3	High Leverage Diagonal Cutting Pliers	Orange	7.00"		0.56
12-500		4	Flush Cutters	Orange	5.00"		
12-504		5	Clip/Grip Flush Cutter	Orange	4.50"		
12-1950		6	Snap Ring Plier Kit	Red	6.50"		

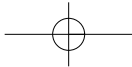


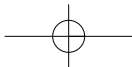
Fig. 7

Precision Electronic Screwdrivers

Retail Part No.	Bulk Part No.	Figure No.	Description	Blade Size	Shaft Diameter	Shaft Length	Handle Length	Overall Length
12-6114		7	Flat Head Screwdriver	1.4 mm	2.0 mm	40 mm	S-80 mm	120 mm
12-6120		7	Flat Head Screwdriver	2.0 mm	2.0 mm	40 mm	S-80 mm	120 mm
12-6220		7	Flat Head Screwdriver	2.0 mm	2.0 mm	75 mm	M-95 mm	170 mm
12-6224		7	Flat Head Screwdriver	2.4 mm	2.4 mm	75 mm	M-95 mm	170 mm
12-6225		7	Flat Head Screwdriver	2.4 mm	2.4 mm	100 mm	M-95 mm	195 mm
12-6231		7	Flat Head Screwdriver	3.0 mm	3.0 mm	150 mm	M-95 mm	245 mm
12-6330		7	Flat Head Screwdriver	3.0 mm	3.0 mm	100 mm	L-105 mm	205 mm
12-6341		7	Flat Head Screwdriver	4.0 mm	4.0 mm	150 mm	L-105 mm	255 mm

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TOOLS

PRECISION ELECTRONIC SCREWDRIVERS (Cont.)



Fig. 1

Precision Electronic Screwdrivers (Cont.)

Retail Part No.	Bulk Part No.	Figure No.	Description	Blade Size	Shaft Diameter	Shaft Length	Handle Length	Overall Length
12-6414		1	Phillips Head Screwdriver	1.4 mm	2.0 mm	40 mm	S-80 mm	120 mm
12-6424		1	Phillips Head Screwdriver	2.4 mm	2.4 mm	40 mm	S-80 mm	120 mm
12-6520		1	Phillips Head Screwdriver	2.0 mm	2.0 mm	75 mm	M-95 mm	170 mm
12-6524		1	Phillips Head Screwdriver	2.4 mm	2.4 mm	75 mm	M-95 mm	170 mm
12-6525		1	Phillips Head Screwdriver	2.4 mm	2.4 mm	100 mm	M-95 mm	195 mm
12-6630		1	Phillips Head Screwdriver	3.0 mm	3.0 mm	100 mm	L-105 mm	205 mm
12-6631		1	Phillips Head Screwdriver	3.0 mm	3.0 mm	150 mm	L-105 mm	255 mm
12-6640		1	Phillips Head Screwdriver	4.0 mm	4.0 mm	100 mm	L-105 mm	205 mm
12-6641		1	Phillips Head Screwdriver	4.0 mm	4.0 mm	150 mm	L-105 mm	255 mm

PRECISION ELECTRONIC SCREWDRIVER SETS



Fig. 2

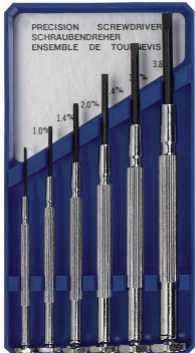


Fig. 3



Fig. 4



Fig. 5



Fig. 6

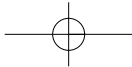


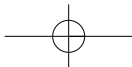
Fig. 7

Precision Electronic Screwdriver Sets

Retail Part No.	Figure No.	Flat Heads	Phillips Heads	Set Also Includes	No. of Pieces
12-043	2	0.9mm, 1.2mm, 1.8mm, 2.4mm, 3.0mm, 3.5mm			6
12-063	3	1.0mm, 1.4mm, 2.0mm, 2.4mm, 3.0mm, 3.8mm			6
12-064	4		1.6mm, 2.0mm, 2.4mm, 3.0mm, 3.5mm, 4.0mm		6
12-065	5	1.4mm, 2.0mm, 2.4mm, 3.0mm	3.0mm, 4.0mm		6
12-066	6	1.0mm, 1.2mm, 1.4mm, 1.8mm, 2.4mm, 3.0mm	2.4mm, 3.0mm, 4.0mm	Magnetic Tip, AWL	11
12-068	7	1.0mm, 1.4mm, 2.0mm, 2.4mm, 3.0mm, 3.8mm	3.0mm, 4.0mm	(*See Note Below)	21

*Includes Open Wrenches: 4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm; Hex Key Wrenches: 1.5mm, 2.0mm, 2.5mm; Nutdrivers: 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm





TOOLS



PRECISION ELECTRONIC SCREWDRIVER SETS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Precision Electronic Screwdriver Sets (Cont.)

Retail Part No.	Figure No.	Flat Heads	Phillips Heads	Set Also Includes	No. of Pieces
12-6900	1	2.4mm, 3.0mm, 4.0mm	2.4mm, 3.0mm, 4.0mm		6
12-6901	2	1.0mm, 1.4mm, 2.0mm, 2.4mm, 3.0mm, 3.5mm			6
12-6912	3	1.4mm, 2.0mm, 2.4mm, 3.0mm	2.0mm, 2.4mm, 3.0mm		7
12-6923	4	1.4mm, 2.0mm, 2.4mm, 3.0mm	1.6mm, 2.4mm, 3.0mm		7
12-6931	5	1.0mm, 1.4mm, 2.0mm, 2.4mm, 3.0mm	1.6mm, 2.0mm, 2.4mm	Screw Tray	8
12-6955	6	2.4mm, 3.0mm	2.4mm, 3.0mm	Nippers & Long Nose Pliers	6
12-041	7	1/8", 3/16", 1/4"	#1, #2	3/16", 1/4", 5/16", 11/32", 3/8" Nutdrivers	10



Fig. 8



Fig. 9

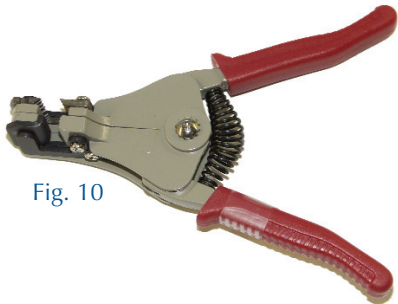
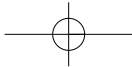


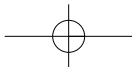
Fig. 10

Wire Strippers

Retail Part No.	Figure No.	Description	Cuts Wire	Strips Wire
12-197	8	Round Cable Rotary Wire Stripper	Up to 1.75"	
12-175	9	Maxim Universal Wire Stripper	10 AWG-12AWG	10 to 20 AWG
12-480	10	Speed-O-Matic Wire Stripper (Replaces 766 Series)		8 to 22 AWG

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TOOLS

WIRE STRIPPERS (Cont.)



Fig. 1

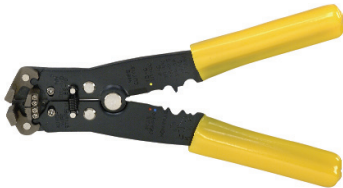


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

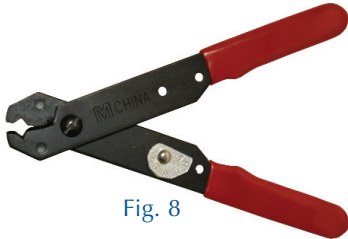


Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



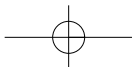
Fig. 14

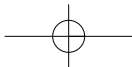


Fig. 15

Wire Strippers (Cont.)

Retail Part No.	Figure No.	Description	Cuts Wire	Strips Wire	Replacement Blades
12-481	1	Self-adjusting Wire Stripper		Multi-gauge/Zip Cord Stripper	
12-155	2	Fully Automatic Wire Stripper	Not for PTFE	10 to 26 AWG	12-166
12-292	3	Electrician's Scissors	Soft Thin AWG		
12-551	4	One Step Stripper		RG-59 & RG-6	12-552
12-164	5	Kwik-strip Coaxial Stripper	RG-58/U & RG-59/U	RG-58/U & RG-59/U	12-165
12-171	6	2-Level Coaxial Stripper	Single Crimp	RG-6, RG-58, RG-59, RG-62	12-173
12-172	6	3-Level Coaxial Stripper	Dual Crimp	RG-6, RG-58, RG-59, RG-62	12-174
12-178	7	3 in 1 Wire Stripper		RG-58, RG-59, RG-62 & 16 to 26 AWG	
12-760	8	Strip-Er-Clip		12 to 26 AWG	
12-458	9	Coaxial Stripper		RG-58, RG-59, RG-62	12-468
12-501	10	Thorselect 2-Level Coaxial Stripper		RG-6, RG-59, RG-62	
12-531	11	Thorselect 3-Level Coaxial Stripper		RG-58, RG-59, RG-62	
12-176	12	Line Cord Stripper	RJ-11 & RJ-45 (Tel)	RJ-11 & RJ-45	
12-532	13	Professional UTP Wire Stripper	Twisted Pair	Twisted Pair	
12-533	14	Combo Cartridge Stripper (Black, Blue)		RG-6, RG-6/Quad, RG-59, UTP	12-534 & 12-535
12-534	14	Blades for above Stripper (Black)		RG-6, RG-6/Quad, RG-59	
12-535	14	Blades for above Stripper (Blue)		UTP Data Com	
12-546	15	UTP Wire Stripper		Up to 0.43"	





TOOLS



PREP TOOLS



Fig. 1



Fig. 2



Fig. 3



Fig. 4

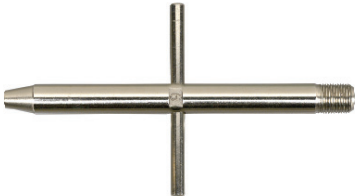


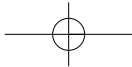
Fig. 5

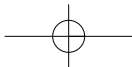


Fig. 6

Prep Tools

Retail Part No.	Bulk Part No.	Figure No.	Description	Function
12-600		1	Manual Wire Wrap	Wraps 30 AWG Wire onto .025" Wire Wrap Posts
12-603		2	Dual Wire Wrap	Wraps, Strips, and Unwraps 22& 24 AWG Wire
12-636		3	Wire Wrap (Red)	100 ft. Silver Plated Solid 30 AWG Wire
12-630		3	Wire Wrap (Blue)	100 ft. Silver Plated Solid 30 AWG KYNAR® Wire
12-634		3	Wire Wrap (White)	100 ft. Silver Plated Solid 30 AWG Wire
12-632		3	Wire Wrap (Yellow)	100 ft. Silver Plated Solid 30 AWG KYNAR® Wire
12-462		4	Round Cable & Wire Cutter	Cuts Cable Up to .5" and Solid Wire Up to 8 AWG
12-395		5	Combo Prep Tool for Coaxial Cable	Preps and Attaches Twist-on "F" Connectors–RG 59
12-396		6	Combo Prep Tool for Coaxial Cable	Preps and Attaches Twist-on "F" Connectors–RG 59/RG 6





TOOLS

TOOLS FOR ELECTRONIC APPLICATIONS

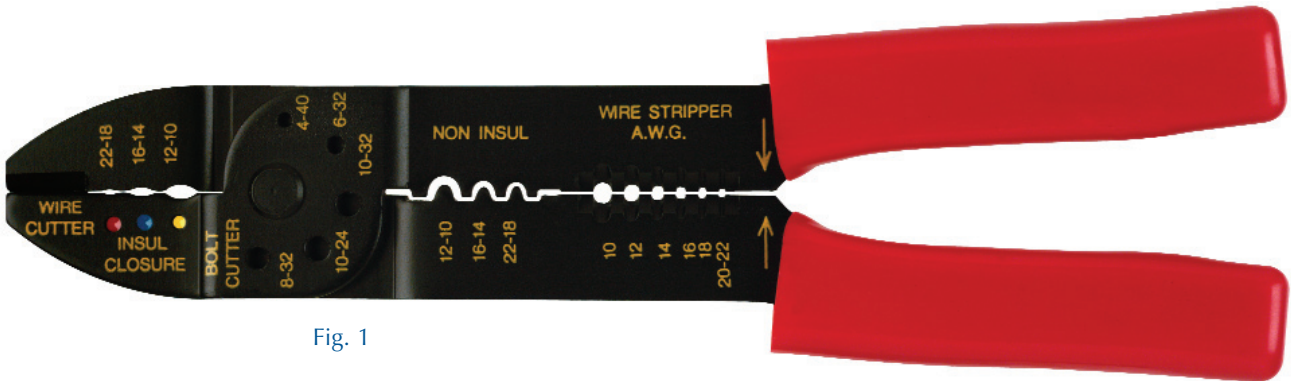


Fig. 1

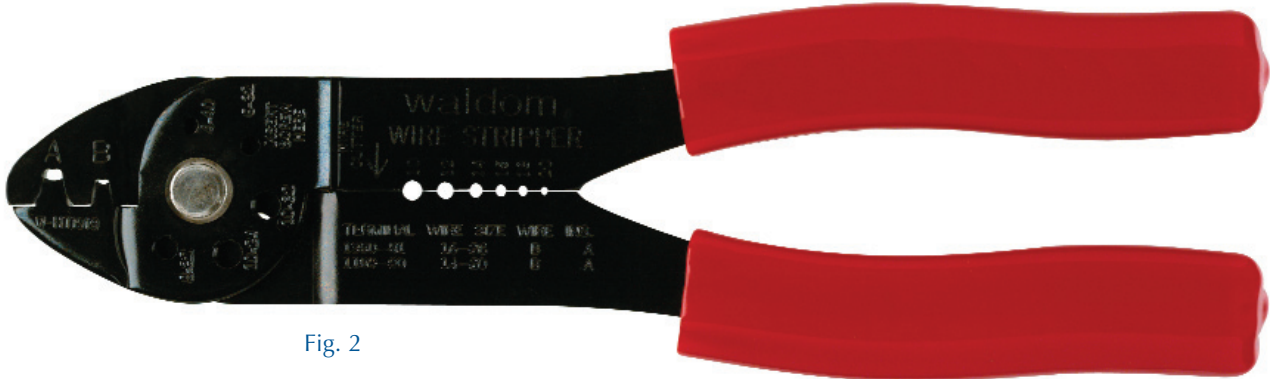


Fig. 2



Fig. 3

Tools

Universal Solderless Terminal Crimping Tool and Bolt Cutters

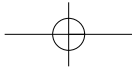
Retail Part No.	Figure No.	Crimps Terminals	Cuts/Strips Wire	Wire Range	Cuts Bolts (Sizes)	Overall Length	Handle Color
CT-4071-P	1	Ring, Flanged Spade, Spade Terminal, Butt Slices, Closed End Connectors	Yes	10-25 AWG	4-40, 5-40, 8-32, 10-24, 10-32	8.25 in.	Red

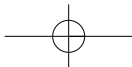
Terminal Crimper Red

Retail Part No.	Figure No.	Crimps Terminals	Cuts/Strips Wire	Wire Range	Cuts Bolts (Sizes)	Overall Length	Handle Color
W-HT-1919-P	2	.093" Pin Diameter Terminals, Standard KK Crimp Terminals for .156" Center KK Housings, Series #1189/1190, Series #1380/1381, Series #2478	Yes	14-24 AWG	4-40, 5-40, 8-32, 10-24, 10-32	8.25 in.	Red

Terminal Crimper Yellow

Retail Part No.	Figure No.	Crimps Terminals	Cuts/Strips Wire	Wire Range	Cuts Bolts (Sizes)	Overall Length	Handle Color
W-HT-1921-P	3	.062" Pin Diameter Terminals, .093" Pin Diameter Terminals, Mini KK Terminals for .100" Center KK Housings, Standard KK Crimp Terminals for .156" Center KK Housings, Series #1433/1434, Series #1560/1561, Series #1854/1855, Series #2759, Series #2578	Yes	18-30 AWG	4-40, 5-40, 8-32, 10-24, 10-32	8.25 in.	Yellow





TOOLS



TOOLS FOR ELECTRONIC APPLICATIONS (Cont.)

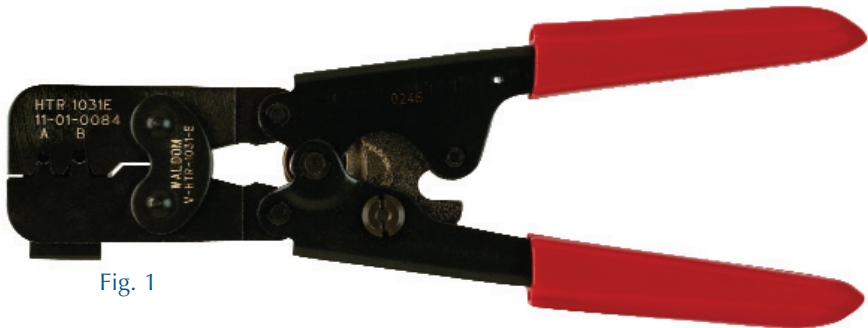


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

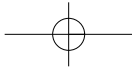
Ratchet Hand Crimping Tools

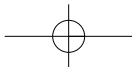
Retail Part No.	Figure No.	Crimps Molex Terminal Series No.	with Locator	Wire Range	Overall Length	Handle Color
W-HTR-1031-E-P	1	1189/1190, 1380/1381, 1450/1451, 1881, 1973, 2046/2047, 2151/2152, 2236/2237, 2269, 2273, 2282/2283, 4268, 4272, 4296, 4549, 4550, 4563, 6271, 6310, 6850, 7238/7239, 8050	Yes	14-26 AWG	9.0 in.	Red
W-HTR-1719-C-P	1	1560/1561, 1786/1787, 1799, 1943, 4295, 5005, 5006, 6361, 6770, 6772, 7291, 8960	Yes	18-24 AWG	9.0 in.	Red
W-HTR-2262	1	1433, 1434, 1881, 6308, 6893, 6894, 2799, 4549, 4550	No	24-30 AWG	9.0 in.	Red
W-HTR-2262-A-P	1	1854/1855, 2189, 2190, 4559, 2759, 40445, 41572, 4809, 6459, 7879, 5159	No	22-30 AWG	9.0 in.	Red
W-HTR-2445-A	1	5168, 2578, 2477, 2478, 7258, 4838, 2878, 5168, 5167, 6438, 8818, 8993	No	18-26 AWG	9.0 in.	Red

Extraction Tools for Electronic Pins and Sockets

Retail Part No.	Figure No.	Molex for Use with Connector Series and Pin Sizes	Color	Weight (Pounds)	Wire Range
W-HT-1884-P	2	2478, 2578, 2759, (WMLX 106-207-214)	Black Oxide	0.1875	18-30 AWG
W-HT-2759-P	3	40445, 41572	Black Oxide	0.0065	22-30 AWG
W-HT-2038-P	4	for .093" Diameter Pins	Brass	0.08	14-30 AWG
W-HT-2285-P	4	for .062" Diameter Pins	Brass	0.08	18-30 AWG
W-HT-2023-P	5	for .062" Diameter Pins	Silver Metal	0.3125	18-30 AWG
W-HT-2054-P	5	for .093" Diameter Pins	Silver Metal	0.3125	18-30 AWG

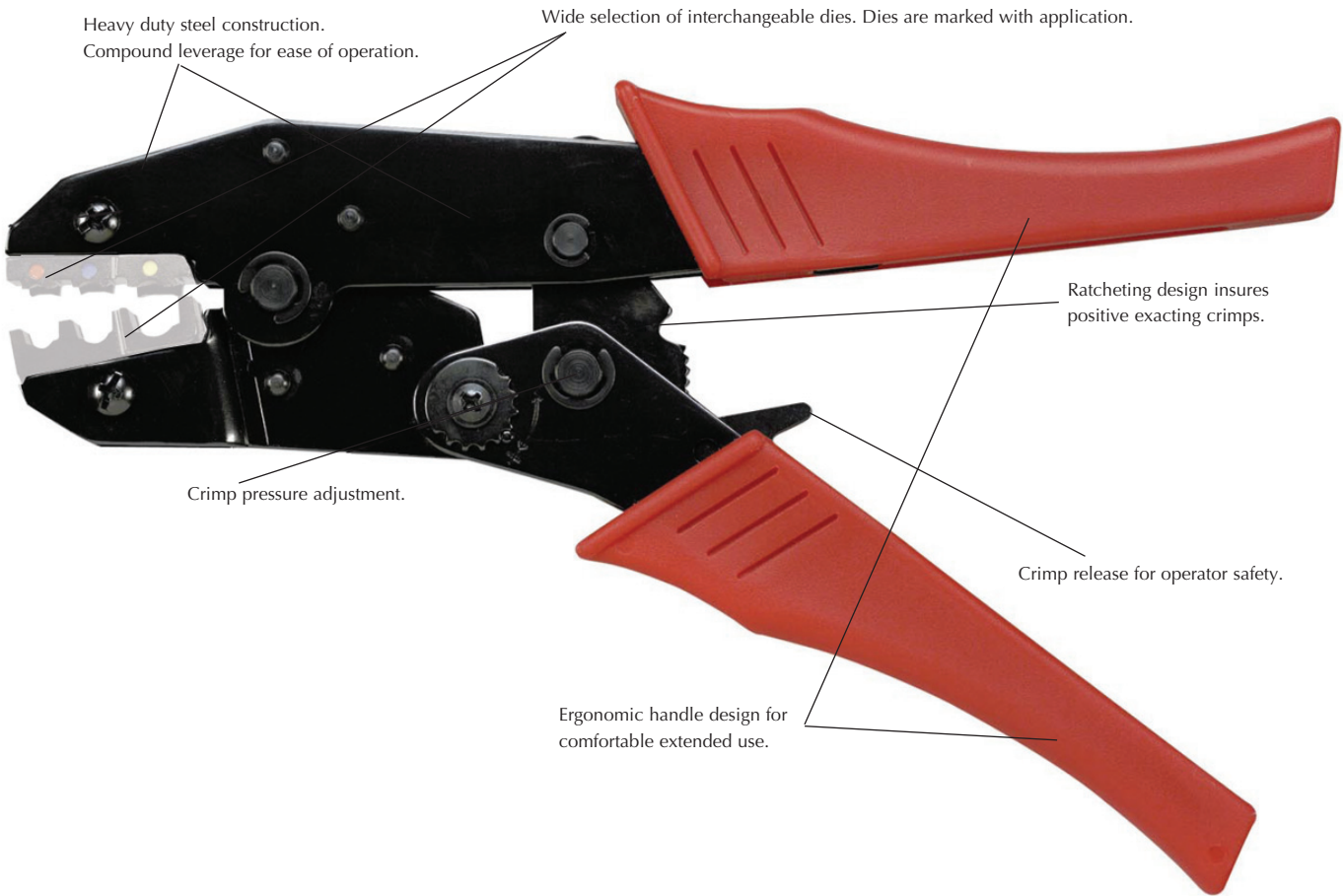
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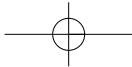
TOOLS

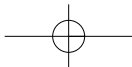
9000 SERIES PROFESSIONAL RATCHETING CRIMP TOOLS



9000 Series Professional Ratcheting Crimp Tools and Die Sets

Retail Part No.	Bulk Part No.	Description	Replacement Die Set
12-9000		Heavy Duty Crimping Tool, Frame Only	All Die Sets Below
12-9001		10-22 AWG Insulated Terminals, Color Coded Nests	12-9101
12-9002		10-22 AWG Non-insulated Terminals	12-9102
12-9003		10-22 AWG Full Insulated Quick Disconnect Terminals with Thinner Wire Barrels	12-9103
12-9004		RG-58, 59/62 BNC/TNC Coaxial Connectors	12-9104
12-9005		Cambridge CP-88, CP-89, RG-58, 59/62 BNC/TNC	12-9105
12-9006		8-22 AWG Non-insulated Terminals	12-9106
12-9007		16-26 AWG Mini Insulated Rings, Spade and Butt Splices	12-9107
12-9008		Fiber Optic SMA, SMB, SFR Connectors	12-9108
12-9009		AMP Fiber Optic SMA or SFR Type Connectors	12-9109
12-9010		RG-58/174 and Belden 8218, 50 and 75 Ohm Cables	12-9110
12-9011		RG-59, RG-6, 8281 50 and 75 Ohm Cables	12-9111
12-9012		N-series RG-8/11 Connectors	12-9112
12-9013		RG-174, Mini 59 BNC/TNC Connectors	12-9113
12-9014		RG-6, RG-174, 8281 Cable	12-9114
12-9015		Twinax (Hex)	12-9115
12-9016		Plenum and Non-plenum, Thinwire also PTFE	12-9116
12-9017		AMP Thinwire Dual Crimp BNC Coaxial Connectors	12-9117
12-9018		AMP RG-58 Dual Crimp BNC/TNC Coaxial Connectors	12-9118
12-9019		AMP RG-59/62 Dual Crimp BNC/TNC Coaxial Connectors	12-9119
12-9020		Mini UHF and BNC/TNC 5 Cavity	12-9120
12-9021		RG-59, RG-6, RG-6 Quad Shield F-type CATV Connectors	12-9121
12-9022		Modular Plug RJ-45 8 Position Keyed or Non-keyed	12-9122
12-9023		Modular Plug RJ-11 2, 4, and 6 Position	12-9123
12-9024		Modular Plug DEC MMJ 6 Position with an Offset Release Tab	12-9124
12-9025		Modular Plug AMP RJ-45 8 Position/Primary Strain Relief is Located Further Back on Die	12-9125
12-9026		Modular Plug RJ-22 2 and 4 Position	12-9126





TOOLS



9000 SERIES PROFESSIONAL RATCHETING CRIMP TOOL (Cont.)

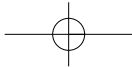
Replacement Die Sets

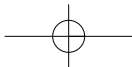
Retail Part No.	Complete Tool Part	Die	Examples
12-9101	12-9001		
12-9102	12-9002		
12-9103	12-9003		
12-9104	12-9004		
12-9105	12-9005		
12-9106	12-9006		
12-9107	12-9007		
12-9108	12-9008		
12-9109	12-9009		
12-9110	12-9010		
12-9111	12-9011		
12-9112	12-9012		
12-9113	12-9013		

Replacement Die Sets (Cont.)

Retail Part No.	Complete Tool Part	Die	Examples
12-9114	12-9014		
12-9115	12-9015		
12-9116	12-9016		
12-9117	12-9017		
12-9118	12-9018		
12-9119	12-9019		
12-9120	12-9020		
12-9121	12-9021		
12-9122	12-9022		
12-9123	12-9023		
12-9124	12-9024		
12-9125	12-9025		
12-9126	12-9026		

Tools





TOOLS

INSTALLER CRIMP TOOLS

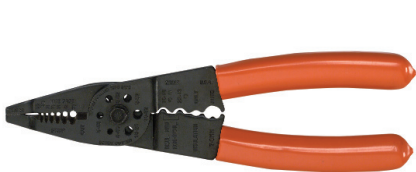


Fig. 1

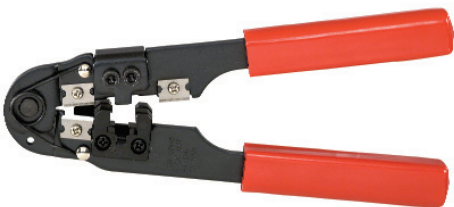


Fig. 2



Fig. 3

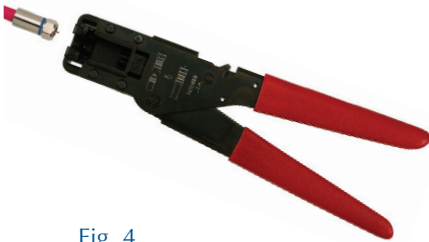


Fig. 4

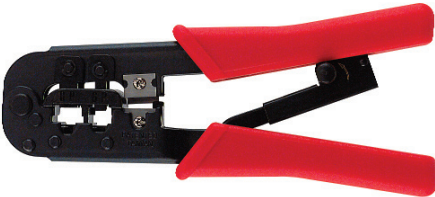


Fig. 5



Fig. 6



Fig. 7

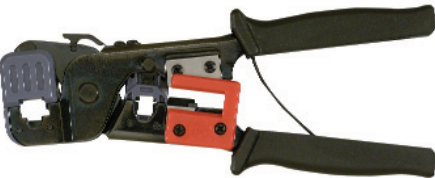


Fig. 8



Fig. 9



Fig. 10

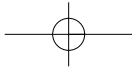


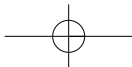
Fig. 11

Tools

Installer Crimping Tools

Retail Part No.	Bulk Part No.	Figure No.	Description	Crimps Connector	Cable Size
8175		1	5-in-1 Crimping Tool	Solderless Terminals	Strips Wire 10-22 Gauge
12-001		2	Telco® Crimping Tools	8 Contact Professional	Telco®/Telephone Wire
12-004		2	Telco® Crimping Tools	4 & 6 Contact Professional	Telco®/Telephone Wire
12-005		2	Telco® Crimping Tools	Modular Hand Set 4 Contact	Telco®/Telephone Wire
30-9955		2	Telco® Crimping Tools	10 Contact Professional	Telco®/Telephone Wire
12-002		3	Dura Crimp	4 & 6 Contact Modular/4 Position Hand Set	
12-088		4	Standard Ratcheting Compression Tool		
12-2475		5	Dual Cut & Crimp Tool	8P8C/RJ-45, 6P4C/RJ-11 & 6P2C	
12-400		6	Crimping Tool & Terminal Asst.	Solderless Terminals	Strips 10-22 Gauge
12-450		7	Coaxial Crimp Tool	Coaxial	RG-59, RG-6, RG-11
12-454		8	Modular Crimp Tool	RJ-11, RJ-45, Modular 6 & 8 Way	Modular Line Cord
12-455		9	Crimping Tool	"F" Type & BNC	RG-58, RG-59, RG-62
12-456		10	Ratcheting Crimp Tool	Coaxial	RG-58, RG-59, RG-62, RG-6
12-459		11	Coaxial Tool Kit	Coaxial	RG-58, RG-59, RG-62, RG-6





TOOLS



INSTALLER CRIMP TOOLS (Cont.)



Fig. 1



Fig. 2

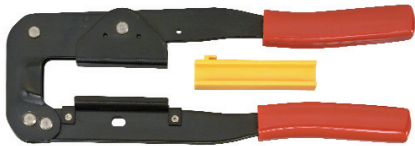


Fig. 3

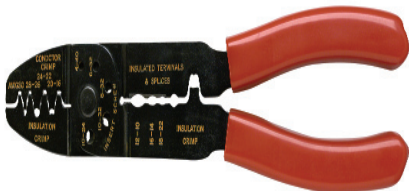


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

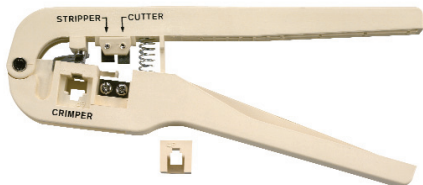


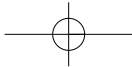
Fig. 10

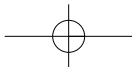
Tools

Installer Crimping Tools

Retail Part No.	Bulk Part No.	Figure No.	Description	Crimps Connector	Cable Size
12-460		1	Crimping Tool	10-22 AWG & D-subminiature Contacts	
12-461		2	Coaxial Center Conductor Cutter	Dual Crimp Coaxial	
12-463		3	IDC Crimp Tool	IDC	Flat (Ribbon)
12-464		4	D-Sub/Double-D Service Tool	D-sub & Double-D High Density	
12-466		5	4-way Indent Crimper	20-26 AWG D-subminiature Contacts	
12-556		6	Compression Crimp Tool	SD-446-BU	RG-6
12-7403		7	Static Dissipative Grip Shears		Cuts Wire Up to .04"
12-7404		8	Small Blade Copper Wire Shears		Cuts Between SMD Leads
12-8800		9	Professional Quality Compression Tool	Male "F" Compression	RG-59 & RG-6
30-9951	30-9951-BU	10	Modular Crimp Tool	4 Conductor Modular & Handset	Modular Line Cord

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TOOLS

ALIGNMENT TOOLS AND KITS

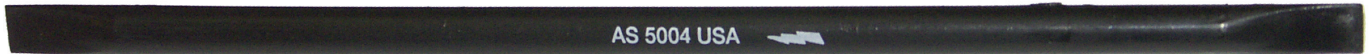


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

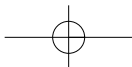


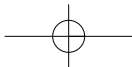
Fig. 11

Tools

Alignment Tools

Retail Part No.	Bulk Part No. 100 Package	N.S.N. Part No.	Figure No.	Material	End 1 (Inches)	End 2 (Inches)	End 3 (Inches)	End 4 (Inches)	Length (Inches)
AS-5004	AS-5004-100		1	Conductive Nylon	1/32	1/32			7
AS-8275		5120-00-541-1462	2	Conductive Nylon	1/32	1/8	1/16		4-15/16
AS-8276	AS-8276-100	5120-00-288-7781	3	Conductive Nylon	1/8	1/8	1/16		6-1/8
AS-8605		5120-00-724-3767	4	Conductive Nylon	0.05	3/32	3/32	3/32	5-3/16
AS-8606		5120-00-282-7786	5	Conductive Nylon	0.027	0.1	0.1	7/32	5-3/32
AS-8608	AS-8608-100		6	Conductive Nylon	0.085	0.085	0.040		4-15/16
AS-9300			7	Conductive Nylon	1/4	3/8			5
AS-9302	AS-9302-100	5120-00-089-8216	8	Conductive Nylon	0.078	0.1	0.1		5-3/8
AS-9440			9	Conductive Nylon	0.1	3/8	1/16	1/32	5-1/16
2512			10	Butyrate	0.031	0.015	0.093		6-5/16
2520	2520-100	5120-00-288-7780	11	Delrin	1/32	1/32			7





TOOLS

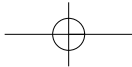


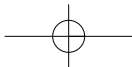
ALIGNMENT TOOLS AND KITS (Cont.)



Alignment Tools (Cont.)

Retail Part No.	Bulk Part No. 100 Package	N.S.N. Part No.	Figure No.	Material	End 1 (Inches)	End 2 (Inches)	End 3 (Inches)	End 4 (Inches)	Length (Inches)
2522			1	Celcon	0.030	Handle			8-1/8
5000			2	Butyrate	1/8	1/8			6-1/8
5004	5004-100	5120-00-508-9755	3	Delrin	1/32	1/32			6-3/4
5009	5009-100		4	Delrin	1/32	1/32			6
5066			5	Butyrate	0.187				2-5/8
5080			6	Butyrate	1/8	Handle			5-7/8
12-5090			7	Steel	Mirror				7-1/2
5090-P		5120-00-159-8180	8	Polystyrene	Mirror				8
5097			9	Delrin	1/32	1/16			6
7948			10	Steel	3/8	3/8			4-1/2
8195			11	Delrin	1/32	Handle			7-1/32





TOOLS

ALIGNMENT TOOLS AND KITS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

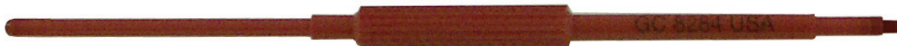


Fig. 8

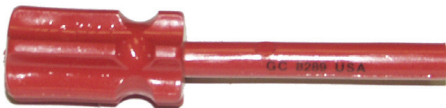


Fig. 9



Fig. 10



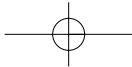
Fig. 11

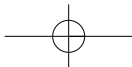


Fig. 12

Alignment Tools (Cont.)

Retail Part No.	Bulk Part No. 100 Package	N.S.N. Part No.	Figure No.	Material	End 1 (Inches)	End 2 (Inches)	End 3 (Inches)	End 4 (Inches)	Length (Inches)
8271		5120-00-333-9809	1	Butyrate	1/8	5/32			6
8273			2	Butyrate	#6				7-7/8
8275		5120-00-541-1462	3	Delrin	1/32	1/8			4-15/16
8276	8276-100	5120-00-288-7781	4	Butyrate	1/8	1/8			6-1/8
8277		5120-00-840-0604	5	Butyrate	1/8	1/8			2-5/8
8279			6	Butyrate	0.055				7-7/8
8282	8282-100	5120-00-572-3237	7	Delrin	1/8	1/4			5-7/16
8284			8	Delrin	0.080	0.080	0.1	7/32	5-1/8
8289			9	Butyrate	0.015	Handle			2
8290			10	Butyrate	0.130	Handle			7
8605			11	Delrin	0.05	3/32	0.1		5-3/16
8606	8606-100	5120-00-288-7786	12	Delrin	0.027	0.1	0.1		5-3/32





TOOLS



ALIGNMENT TOOLS AND KITS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

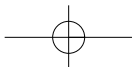


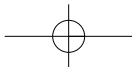
Fig. 11

Alignment Tools (Cont.)

Retail Part No.	Bulk Part No. 100 Package	N.S.N. Part No.	Figure No.	Material	End 1 (Inches)	End 2 (Inches)	End 3 (Inches)	End 4 (Inches)	Length (Inches)
8606-L	8608-100		1	Delrin	0.027	0.1			11-3/32
8608			2	Nylon	0.086	0.086			4-15/16
8609		5120-00-227-7291	3	Tenite	1/8	1/8			5-1/8
8721			4	Butyrate	1/8	1/8			9
8727			5	Butyrate	1/16	Handle			6-3/8
8728			6	Fiberglass	1/32	1/32			12-1/16
8728-A		5120-00-965-9549	7	Delrin	1/32	1/32			7
8729			8	Fiberglass	1/32	1/32			16
8867			9	Delrin					6-7/8
8868			10		0.130	0.1			6-7/8
8869			11	Celcon					6-7/8

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TOOLS

ALIGNMENT TOOLS AND KITS (Cont.)



Fig. 1



Fig. 2

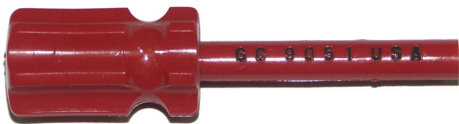


Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



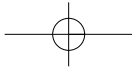
Fig. 10

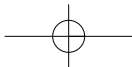


Fig. 11

Alignment Tools (Cont.)

Retail Part No.	Bulk Part No. 100 Package	N.S.N. Part No.	Figure No.	Material	End 1 (Inches)	End 2 (Inches)	End 3 (Inches)	End 4 (Inches)	Length (Inches)
8987		5120-00-542-2936	1	Fiberglass	1/32				9-3/8
8988			2	Fiberglass	1/32				14-3/8
9050			3	Nylon	3/64	1/4			5-1/2
9051			4	Butyrate	0.054				2.48
9077-1			5	Heat Sink Clamp					0.67
9086			6	Reamer (Fork Tipped)	Fork Tip				8
9087			7	Coil Slug Adjuster Tool					
9088			8	Stainless Steel					8
9089		5120-00-043-3110	9	Fiberglass	1/8	1/8			5-13/16
9090			10	Butyrate	0.015	#6			2-3/32
9091			11	Delrin	7/32	3/8	0.124	0.027	5

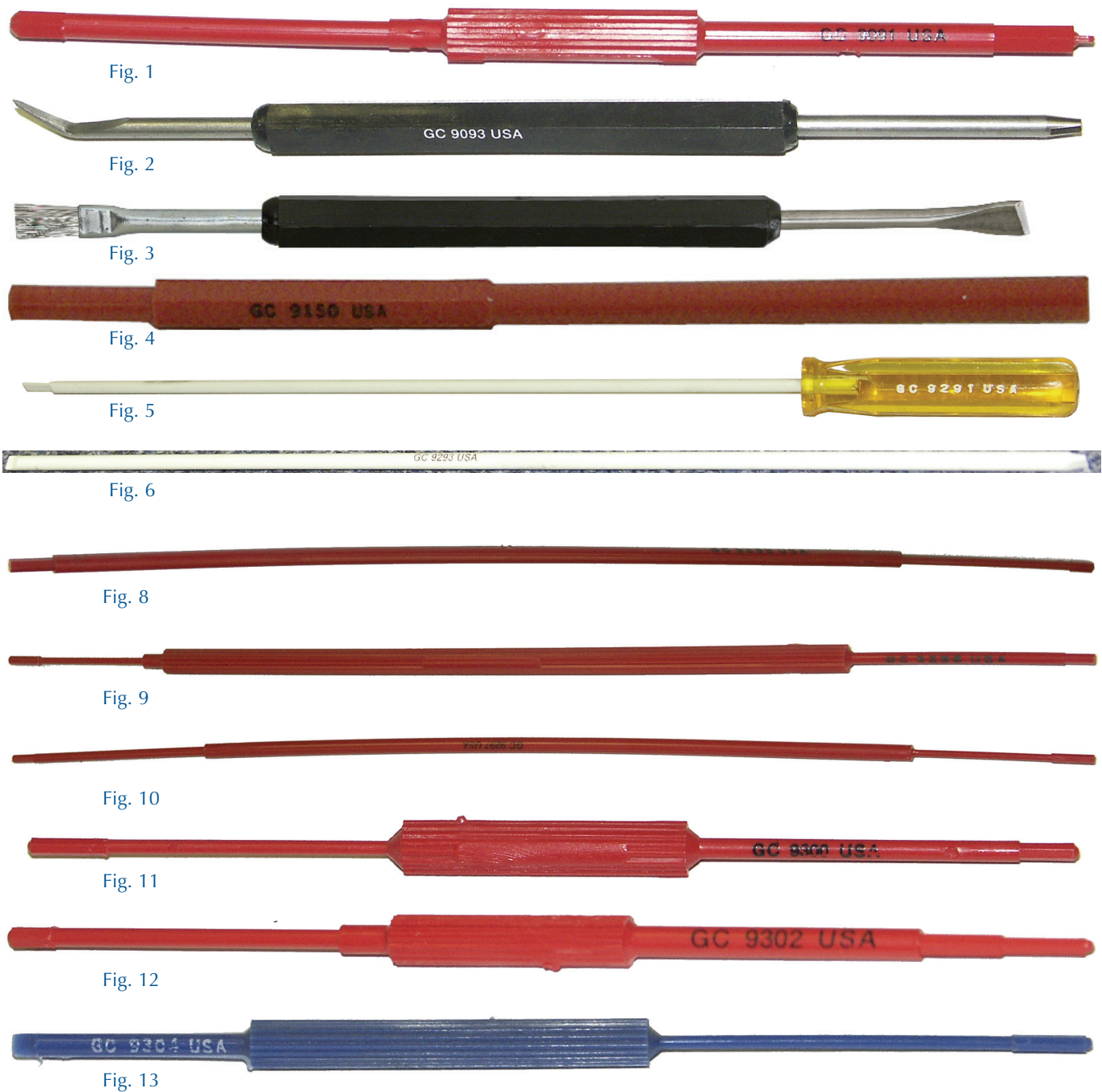




TOOLS

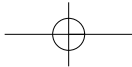


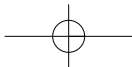
ALIGNMENT TOOLS AND KITS (Cont.)



Alignment Tools

Retail Part No.	Bulk Part No. 100 Package	N.S.N. Part No.	Figure No.	Material	End 1 (Inches)	End 2 (Inches)	End 3 (Inches)	End 4 (Inches)	Length (Inches)
9091-L			1	Delrin		0.124	0.027		11-3/32
9093			2	Stainless Steel	Angled				8
9094			3	Stainless Steel	9/32	0.345			8
9150		5120-00-410-5989	4	Nylon	1/8	1/16	3/64		5-1/2
9291			5	Fiberglass	0.030	Handle			7
9293			6	Fiberglass	5/32	5/32			12
9295			8	Delrin	3/8	1/4			11
9296			9	Delrin	1/4	3/8			11
9297			10	Delrin	1/4	3/8			11-1/8
9300		5120-00-932-7764	11	Delrin	1/4	3/8			5
9302			12	Delrin	0.078	0.1			5-3/8
9304		5120-00-089-8216	13	Delrin	0.110	3/8			5-9/16





TOOLS

ALIGNMENT TOOLS AND KITS (Cont.)



Fig. 1



Fig. 2

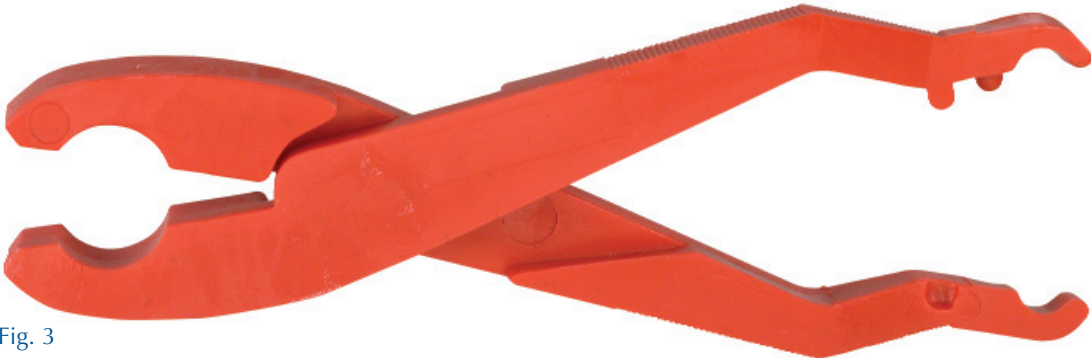


Fig. 3



Fig. 4



Fig. 5



Fig. 6

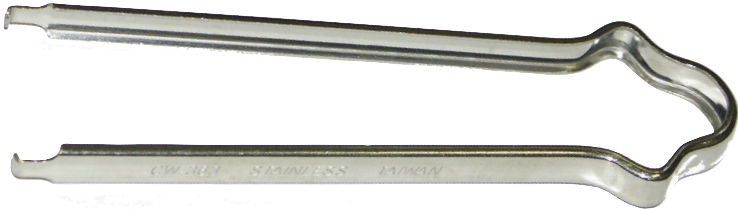


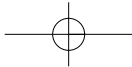
Fig. 7

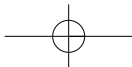


Fig. 8

Alignment Tools (Cont.)

Retail Part No.	N.S.N. Part No.	Figure No.	Material	End 1 (Inches)	End 2 (Inches)	End 3 (Inches)	End 4 (Inches)	Length (Inches)
9337		1	Steel	0.1845				3
9338		2	Steel	0.250				3
64-1832		3		Universal Fuse Puller				
9440	5120-00-920-1378	4	Delrin	0.1	1/16			5-1/16
10-8884		5		Pocket Oiler				
12-760		6		Strip-er-Clip				
12-4614		7	Steel	(28-40) IC Pin Extractor				
Z-7614		8	PVC	0.3				5-1/4





TOOLS



ALIGNMENT TOOLS AND KITS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

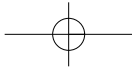
Tools

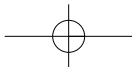
Alignment Tool Kits

Retail Part No.	Fig. No.	N.S.N. Part No.	Part Nos. in Kits*
18-530	1		5009, 5097, 8271, 8276, 8282, 9091, 9304, 9440
580	2	5180-00-996-8673	2512, 2520, 2522, 8273, 8279, 8282, 8289, 8868, 9051, 9087, Z-7614
582	2	5180-00-868-3780	10-8883, 2512, 2520, 8279, 8282, 8289, 8728-A, 8867, 8868, 8869, 9051, 9088, 9291
8280	2	5180-00-715-6062	5066, 5080, 5097, 8195, 8271, 8273, 8275, 8276, 8277, 8279, 8282, 8606, 8608, 8728, 9087
8455	2	5180-00-760-2114	5004, 5097, 8195, 8271, 8273, 8275, 8276, 9087
5050	3	5180-00-383-3200	10-8883, 12-760, 41-614, 64-1832, 2520, 5000, 5004, 5028 5090, 5090-P, 5097, 5101, 7948, 8195, 8271, 8275, 8276, 8277, 8282, 8605, 8606, 8606-L, 8721, 8728, 8728-A, 8867, 8868, 8869, 8987, 9077, 9091, 9091-L, 9093, 9094, 9293, 9295, 9296, 9300, 9302, 9304, 9338, 9440
5040	4		2520, 5097, 8271, 8276, 8289, 8606, 8729, 8988, 9050, 9088, 9091, 9297
8283	5	5120-00-949-8368	5000, 5004, 5066, 5080, 5097, 8195, 8271, 8273, 8275, 8276, 8277, 8279, 8282, 8289, 8290, 8606, 8609, 8721, 8727, 8728-A, 8867, 9087, 9090
8454	6		8282, 8606, 9091, 9300, 9304, Z-7614
AS-5007	7		AS-5004, AS-8275, AS-8276, AS-8605, AS-8606, AS-8608, AS-9300, AS-9302, AS-9440

*Notes: All Part Nos. Used in Kits Are Not Available for Individual Use.

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TOOLS

IMPACT TOOLS



Fig. 1



Fig. 2

Punch Down Tools and Blades

Retail Part No.	Figure No.	Description	Replacement Blades
12-5700	1	Professional Impact Tool Terminates/Cuts Wire on 66 and 110 Pin Blocks. Hi/Low Impact Adjustment. Blades Included.	Use #66 & #110
12-5701	-	#66 Replacement Blades	Blade 66
12-5702	-	#110 Replacement Blades	Blade 110
45-5631	2	Professional 110 Push Down Tool Pushes Wire Down into 110 Blocks. No Adjustment. Blades Not Replaceable.	

ADJUSTMENT/ALIGNMENT TOOLS



Fig. 3



Fig. 4

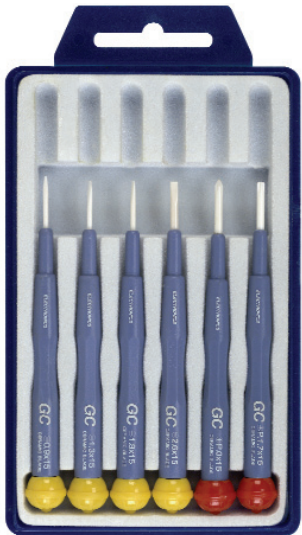


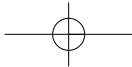
Fig. 5

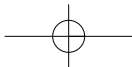


Fig. 6

Adjustment/Alignment Tools

Retail Part No.	Bulk Part No.	Figure No.	Description	Tools
12-575		3	2-in-1 Ceramic Adjuster	1.8 mm Flat Blade and 3.0 mm Phillips
12-576		4	4-in-1 Ceramic Adjuster	0.9 mm, 1.8 mm, 2.6 mm Flat Blades and 1.7 mm Phillips
12-577		5	Ceramic Adjuster Set	0.9 mm, 1.3 mm, 1.8 mm, 2.6 mm Flat Blades and 1.7 mm, 3.0 mm Phillips
8379		6	TV Service Stand	Mirror Stand
8381		6	Mirror and Stand Combo	Stand and Mirror Set





TOOLS



STATIC DISSIPATIVE TWEEZERS



Fig. 1



Fig. 2



Fig. 3

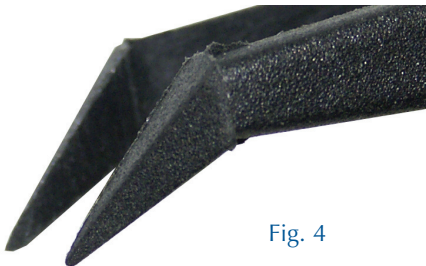


Fig. 4



Fig. 5

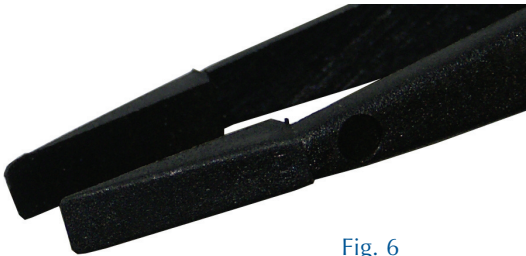


Fig. 6



Fig. 7



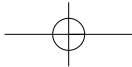
Tweezers (Full View)

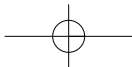
Static Dissipative Tweezers

Retail Part No.	Bulk Part No.	Figure No.	Description	Length (Inches)
12-9511		1	Static Dissipative, Non-metallic, Acid Resistant Plastic Tweezers with Straight, Flat, Rounded Tip .	4-1/2
12-9514		2	Static Dissipative, Non-metallic, Acid Resistant Plastic Tweezers with Curved, Rounded Tip.	4-1/2
12-9517		3	Static Dissipative, Non-metallic, Acid Resistant Plastic Tweezers with Very Fine, Straight Tip.	4-1/2
12-9520		4	Static Dissipative, Non-metallic, Acid Resistant Plastic Tweezers with Very Fine, Angular Tip.	4-1/2
12-9523		5	Static Dissipative, Non-metallic, Acid Resistant Plastic Tweezers with Very Fine, Curved Tip.	4-1/2
12-9526		6	Static Dissipative, Non-metallic, Acid Resistant Plastic Tweezers with Straight, Flat Tip.	4-1/2
12-9529		7	Static Dissipative, Non-metallic, Acid Resistant Plastic Tweezers with Straight, Broad Flat Tip.	4-1/2

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TOOLS

TEST AND MEASUREMENT TOOLS

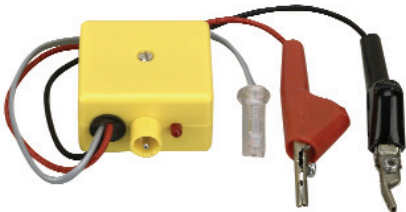


Fig. 1



Fig. 2



Fig. 3

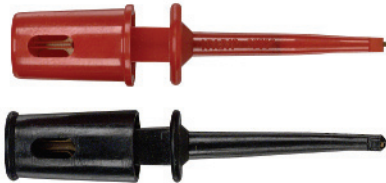


Fig. 4

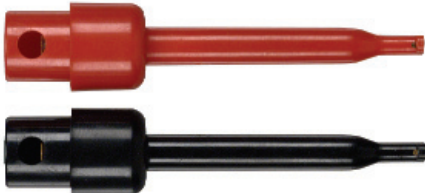


Fig. 5



Fig. 6

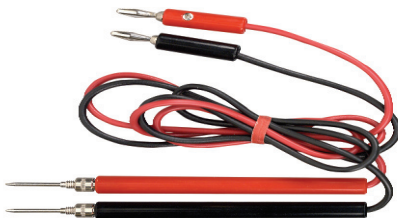


Fig. 7



Fig. 8



Fig. 9



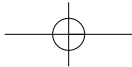
Fig. 10

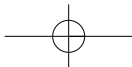


Fig. 11

Test and Measurement Tools

Retail Part No.	Bulk Part No.	Figure No.	Description	Features
12-5705		1	Tone Test Set	1000 Hz or 500/1000 Alt. Tone, Checks for Shorts, Locates Broken Cables in Walls
12-5706		2	Stationman Probe	Quickly and Easily Locates the Proper Cable Pair Containing the Tone Signal
12-105		3	Continuity Tester	42" Alligator Clip for Ground Connections
12-1640		4	Sub-miniature I.C. Test Clips	Clips to Wires/Posts Up to .030" Diameter, 5/32" Travel, Rated: 500V AC/DC
12-1642		5	Miniature I.C. Test Clips	Clips to Wires Up to #16 Wire, 1/8" Travel, Rated: 1500V AC 1 Minute
12-1650		6	"Jumper" Wire Test Leads	27 AWG, 2 Each, 15" Long Thin Leads with Mini Clips, 10 Jumpers
12-1655		6	"Jumper" Wire Test Leads	21 AWG, Heavy Duty Leads, 1 Each, 22" Long Leads with Standard Size Clips, 5 Jumpers
12-1656		7	Heavy Duty Test Leads	Phone Tips to Banana Plugs 35" Leads 25 Ga. (20 x 38)
5101		8	Test Light	Tests Both AC & DC Circuits (80V AC to 500V AC or DC)
5120		9	High-Voltage Testing Screwdriver	Screwdriver/Tester Checks AC Voltage from 100 to 500V
5128		10	Automotive Electrical Tester	Tests "Hot" Leads in Vehicle Electrical Systems, Equipped w/18" Alligator Clip/Banana Plug Ends
12-1716		11	6" Stainless Steel Rule	15/32" Wide, Graduations in 32nds and 64ths, Decimal Equivalents on Back





TOOLS



ALLIGATOR CLIPS



Fig. 1

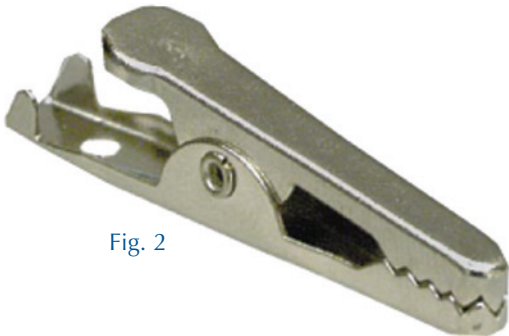


Fig. 2



Fig. 3



Fig. 4



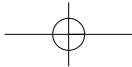
Fig. 5

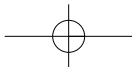
Tools

Alligator Clips

Retail Part No.	Bulk Part No.	N.S.N. Part No.	Figure No.	Description	Current Rating	Body Make-up	Connection Type	Jaw Opening (Inches (mm))
	33-075-BU	5999-00-880-5534	1	Alligator Clip with Red Vinyl Sleeve	5 Amps	Nickel-plated Steel	Solder/Screw	5/16 (7.938)
	33-076-BU	5999-00-235-0214	1	Alligator Clip with Black Vinyl Sleeve	5 Amps	Nickel-plated Steel	Solder/Screw	5/16 (7.938)
	33-077-BU	5999-00-060-8996	2	Miniature Alligator Clip	5 Amps	Nickel-plated Steel	Solder	1/2 (12.700)
	33-078-BU		3	Alligator Clip	5 Amps	Nickel-plated Steel	Solder/Banana Plug	3/8 (9.525)
	33-079-BU		4	Alligator Clip	5 Amps	Nickel-plated Steel	Screw/Banana Plug	3/8 (9.525)
	33-081-BU		5	Red Insulator Fits all Standard Sizes		Molded Vinyl		Not Applicable
	33-082-BU		5	Black Insulator Fits all Standard Sizes		Molded Vinyl		Not Applicable

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TOOLS

TECHNICIAN TOOLS



Fig. 1

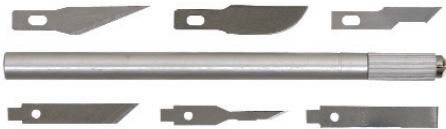


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

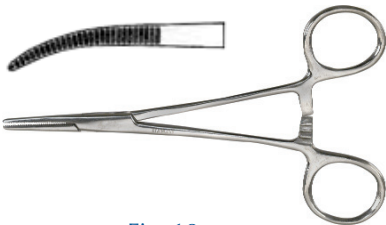


Fig. 10



Fig. 11



Fig. 12



Fig. 13

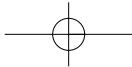


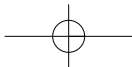
Fig. 14

Tools

Technician Tools

Retail Part No.	N.S.N. Part No.	Figure No.	Description	Features
12-007		1	13 Piece Precision Knife Set	3 Knife Handles, Common Blades, Magnetic Blade Holder
12-008		2	Technician's Knife with 6 Blades	Knife Handle, Common Blades, Storage Tray
12-280		3	Miniature Scissors	Extra Fine, 4-1/2" Overall
12-284		4	Lab Scissors	Medium Weight, 5-1/2" Overall
12-2260		5	Dental Probes	5-1/2" Probe-Straight
12-2264		5	Dental Probes	5-1/2" Probe-Hooked
12-2266		5	Dental Probes	5-1/2" Probe-Curved
12-2270		5	Dental Probes	Set of 3 Probes
7946		6	Electronic Assembly Tweezers	6-1/2" Long, Self-closing, Blunt Points, Serrated
7947		7	Electronic Assembly Tweezers	6-1/2" Long, Slide Lock, Smooth Points
7948	5120-00-784-2890	8	Electronic Assembly Tweezers	4-1/2" Long, Fine Points
7950	5120-00-920-8420	9	Tweezer Kit	Set of All 3 Tweezers
7976		10	Forceps	5" Long, Straight Jaw
7977		10	Forceps	6" Long, Straight Jaw
7978		10	Forceps	5" Long, Curved Jaw
7979		10	Forceps	6" Long, Curved Jaw
7992		11	Precision Quality Tweezers	4-5/8" Long, Beveled Points
7993		12	Precision Quality Tweezers	4-1/8" Long, Fine Points
7994		13	Precision Quality Tweezers	4-1/4" Long, Extra Fine Points
7995		14	Precision Quality Tweezers	4-1/2" Long, Curved Points





TOOLS



SOLDER & SOLDER BRAID



Fig. 1



Fig. 2



Fig. 3



Fig. 4*



Fig. 5*



Fig. 6



Fig. 7

Solder

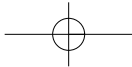
Retail Part No.	Bulk Part No.	Fig. No.	Description	Gauge	Diameter	Spool Size	Tin/Lead Percentage	Length (Feet)	Color
6033		1	60/40 Rosin Core Solder	20	.032"	1/2 lb.	60/40		
6039		1	60/40 Rosin Core Solder	16	.047"	1/2 lb.	60/40		
6044		1	60/40 Rosin Core Solder	14	.062"	1/2 lb.	60/40		
6034		1	60/40 Rosin Core Solder	20	.032"	1 lb.	60/40		
6040		1	60/40 Rosin Core Solder	16	.047"	1 lb.	60/40		
6045		1	60/40 Rosin Core Solder	14	.062"	1 lb.	60/40		
6035		1	Low-melt Solder	20	.032"	1/2 lb.	63/37		
6037		1	Low-melt Solder	20	.032"	1 lb.	63/37		
6056		1	Silver Bearing Solder	20	.032"	1/2 lb.	60/38/2		
6059		1	Silver Bearing Solder	20	.032"	1 lb.	60/38/2		
9132		2	Fine Line Solder-32 Tubes of Solder	20	.032"		60/40	12	
H3-391		2	Fine Line Solder-Carded	20	.032"		60/40	12	
9134		2	Standard Solder-32 Tubes of Solder	16	.050"		60/40	6.5	
H3-390		2	Standard Solder-Carded	16	.050"		60/40	6.5	
12-5380	12-5380-BU	3	Mini Solder	24	.020"		60/40	25	
13-9610		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	20	.032"	1/2 lb.	Lead Free		
13-9611		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	16	.047"	1/2 lb.	Lead Free		
13-9612		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	14	.062"	1/2 lb.	Lead Free		
13-9620		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	20	.032"	1 lb.	Lead Free		
13-9621		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	16	.047"	1 lb.	Lead Free		
13-9622		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	14	.062"	1 lb.	Lead Free		
13-9636		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	23	.023"	1/2 lb.	Lead Free		
13-9644		4*	Sn96.5Ag3Cu0.5 Solder	24	.020"	1/5 lb.	Lead Free		
13-9630		5*	Sn96.5Ag3Cu0.5 Solder	24	.020"	.26 oz	Lead Free	18	
13-9631		5*	SnAg3Cu0.5Ni0.06Ge0.01 Solder-Carded	16	.047"	tube	Lead Free	7	
13-9631-32		5*	SnAg3Cu0.5Ni0.06Ge0.01 Solder-32 Tubes of Solder	16	.047"		Lead Free	7	

(*=Requires less than 60W iron)

Solder Braid

Retail Part No.	Bulk Part No.	Figure No.	Description	Gauge	Width Solder/Braid	Spool Size	Tin/Lead Percentage	Length (Feet)	Color
12-5001	12-5001-BU	6	1 Reel of GC Solder and 1 Reel of GC Braid		.031"/.075"		60/40	20	
12-5025	12-5025-BU	7	GC Braid		.025"			5	Silver
12-5050	12-5050-BU	7	GC Braid		.050"			5	Gold
12-5075	12-5075-BU	7	GC Braid		.075"			5	Green
12-5100	12-5100-BU	7	GC Braid		.100"			5	Blue
12-5125	12-5125-BU	7	GC Braid		.125"			5	Brown
12-6025	12-6025-BU	7	GC Braid		.025"			25	Silver
12-6050	12-6050-BU	7	GC Braid		.050"			25	Gold
12-6075	12-6075-BU	7	GC Braid		.075"			25	Green
12-6100	12-6100-BU	7	GC Braid		.100"			25	Blue
12-6125	12-6125-BU	7	GC Braid		.125"			25	Brown

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SOLDER TOOLS



Fig. 1



Fig. 2



Fig. 3

Solder Tools

Retail Part No.	Bulk Part No.	Figure No.	Description	Features
12-031		1	Soldering Kit (Not Recommended for Lead Free Solder)	30 W, Solder Aid Tool & Brush End
12-055		2	30 W Soldering Iron (Not Recommended for Lead Free Solder)	Light Weight Iron, 117V AC, Comes with Replacement Tip
12-056			Replacement Tip for 12-055 & 12-031	
12-5003		3	Tip Tinner, 1 Ounce Can	Sn 63/Pb 37, Helps Prolong Solder Iron Tip

PORTABLE BUTANE SOLDERING IRONS AND TIPS



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

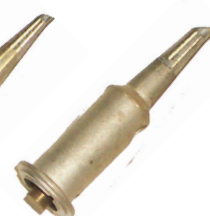


Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18

Portable Butane Solder Irons

Retail Part No.	Bulk Part No.	Figure No.	Description	Features
PSI-100		4	Portable Butane Solder Iron PSI-100	Portable Gas Soldering Tool, Adjustable Temperature
P-2-C		5	Portable Butane Solder Iron P-2	Variety of Tips Available, 90 Minutes of Operation
12-133		6	3 fl. oz. Aerosol Butane Gas for Solder Irons	

Ten Professional-Quality, Iron-plated Tips for PSI-100

Retail Part No.	Bulk Part No.	Figure No.	Description	Size	Temperature Range
PSI1		7	Single Flat	1/32" (1.0 mm)	Up to 450°C/850°F
PSI2		8	Single Flat	3/32" (2.4 mm)	Up to 450°C/850°F
PSI3		9	Single Flat	1/8" (3.2 mm)	Up to 450°C/850°F
PSI4		10	Single Flat	3/16" (4.8 mm)	Up to 450°C/850°F
PSI5		11	Double Flat	1/32" (1.0 mm)	Up to 450°C/850°F
PSI6		12	Double Flat	3/32" (2.4 mm)	Up to 450°C/850°F
PSI7		13	Double Flat	1/8" (3.2 mm)	Up to 450°C/850°F
PSI8		14	Double Flat	3/16" (4.8 mm)	Up to 450°C/850°F
PSI9		15	Hot Blower Tip		Up to 450°C/850°F
PSI10		16	Hot Knife Tip		Up to 450°C/850°F

Professional-Quality, Iron-plated Tips for P-2-C

Retail Part No.	Bulk Part No.	Figure No.	Description	Size
PPT-1		17	Single Flat	1/32" (1.0 mm)
PPT-6		18	Double Flat	3/32" (2.4 mm)

PORTABLE BUTANE SOLDERING IRONS AND TIPS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Replacement Tips (for P-1K Kit)

Retail Part No.	Bulk Part No.	Figure No.	Description	Size	Temperature Range
T-1		1	Solder Tip	1/32" (1.0 mm)	
T-2		2	Solder Tip	3/32" (2.4 mm)	
T-3		3	Solder Tip	1/8" (3.2 mm)	
T-4		4	Solder Tip	3/16" (4.8 mm)	
T-5		5	Blow Torch Tip		1260°C/2300°F
T-7		6	Hot Knife Tip		

Portable Butane Solder Tool Kit

Retail Part No.	Bulk Part No.	Figure No.	Description	Kit Includes:
P-2K-C		7	Model P-2K Portable Butane Soldering Tool Kit	Portable Butane P-2 Soldering Tool, 3/32" (2.3 mm) Standard Soldering Tip, Hot Blow Tip (Heat Tip), Blow-torch Tip, Double Flat Tip, Tip Cleaning Sponge, Wire Hot-iron Stand, Plastic Storage Case

SOLDER PRODUCTION TOOLS



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12

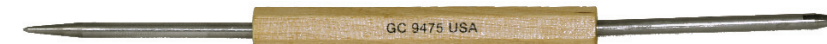


Fig. 13

Solder Production Tools

Retail Part No.	Bulk Part No.	Figure No.	Description
9065		8	4 Piece Solder Aid Kit
9069		9	6-1/2" Long Reamer and Scraper Tip (Plastic)
9073		10	6-1/2" Long Brush and Forked Tip (Plastic)
9074		11	6-1/2" Long Brush and Scraper Kit (Plastic)
9075		12	6-1/2" Long Straight Reamer and Forked Tip (Plastic)
9475		13	5-3/4" Long Straight Reamer and Forked Tip (Wood)

SOLDER PRODUCTION TOOLS (Cont.)



Fig. 1



Fig. 2



Fig. 3

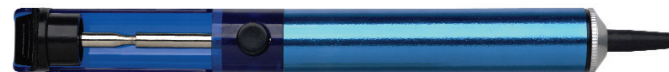


Fig. 4-A



Fig. 4-B



Fig. 4-C



Fig. 5-A



Fig. 5-B



Fig. 5-C



Fig. 6



Fig. 7

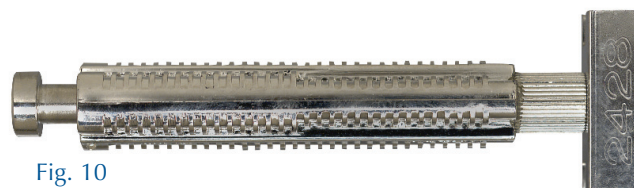


Fig. 10



Fig. 8

Fig. 9

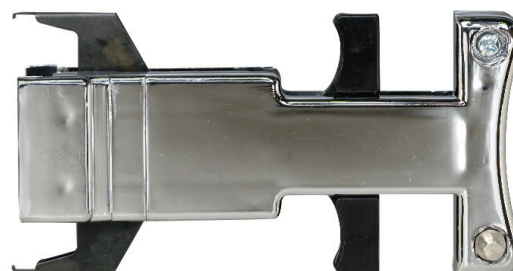


Fig. 11

Solder Production Tools

Retail Part No.	N.S.N. Part No.	Figure No.	Description
9088	5120-00-611-7136	1	8" Long Heavy-Duty Brush and Forked Tip (Plastic)
9093	3439-00-800-7989	2	8" Long Angle Reamer and Forked Tip (Plastic)
9086		3	Straight Reamer and Forked Tip
12-2105		4-A	Anti-static Solder Removal Tool
12-2106		4-B	Replacement "O" Rings for 12-2105
12-2107		4-C	Replacement Tips for 12-2105
12-2157		5-A	Solder Popper®
12-2160		5-B	Replacement Tips for 12-2157
12-2161		5-C	Replacement "O" Ring Seal for 12-2157
H3-388		6	Heat Sink Clamp
9077-1		7	Heat Sink Clamp
12-4125		8	Anti-static 8-28 Pin IC Inserter Tool
12-4126		9	Anti-static 8-28 Pin IC Extractor Tool
12-4127		8 & 9	Anti-static 8-28 Pin IC Extractor/Inserter Kit
12-4116		10	Anti-static Insertion Tool (14-16 Pin)
12-4128		10	Anti-static Insertion Tool (24-28 Pin)
12-4140		10	Anti-static Insertion Tool (36-40 Pin)
12-4612		11	28-40 Pin Grounded Dip IC Extractor

ESD/STATIC PROTECTION



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

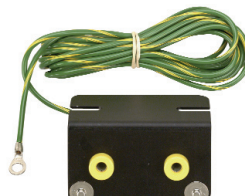


Fig. 7

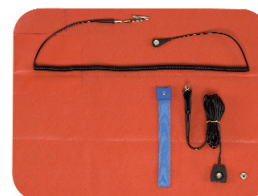


Fig. 8

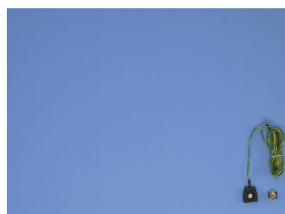


Fig. 9

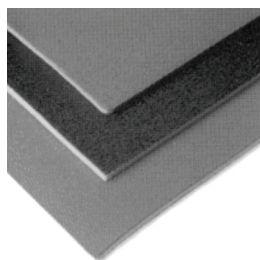


Fig. 10



Fig. 11



Fig. 12

ESD/Static Protection

Retail Part No.	Figure No.	Description	Features
20-8004	1	Medium to Large Wrist Strap	10' Coil Cord, Banana Plug/Alligator Clip, 1 meg Ohm Resistance for Safety
12-8012	1	GC Professional Adjustable Wrist Strap Kit	6' Coil Cord, 4 mm Snap Stud and Alligator Clip
12-8013	1	Wrist Strap Only	for 12-8012
12-8020	1	Coil Cord Only	for 12-8012
12-8010	1	Adjustable Economy Wrist Strap Kit	6' Coil Cord, 4 mm Snap Stud and Alligator Clip
12-8011	1	Wrist Strap Only	for 12-8010
12-8018	2	Adjustable Economy Heel Grounder	2-Layer Rubber Composite Sole Material, 14.5" Conductive Ribbon
12-8055	3	Combination Wrist Strap/Footwear Tester	Indicates Low-pass or High Results
12-8056	3	Combination Tester/Adapter	for 12-8055
12-8057	3	Stand and Baseplate	for 12-8055
12-8058	3	Footplate and Cord	for 12-8055
12-8050	4	Touch Type on Demand Wrist Strap Tester	Tests the Entire Circuit
12-8051		AC Adapter	for 12-8050
12-8032	5	Common Point Ground Cords for Bench Mats	Custom Tailor Installation
12-8024	5	Ground Cords for Floormats with 10 mm Studs	10' Yellow Striped Green Ground Cord, Terminated w/#10 (.200") Ring Terminal
12-8026	5	Ground Cords for Floormats with 10 mm Studs	Custom Tailor Installation (No Workstation)
12-8028	6	2 Pack, 10 mm Snap Sockets	for 12-8026
12-8029	6	2 Pack, 3/8" Push and Clinch 10 mm Snap Stud	for 12-8026
12-8034	6	2 Pack, 10 mm Snap Socket Adapter	for Use with ESD Grounding Mats, Adapts 10 mm Socket to 10 mm Socket
12-8030	7	Dual Bench Mount	2 Person Grounding
12-8038	8	Portable Field Service Kit	Work Surface, Wrist Strap, and Grounding Cord
12-8042	9	Dissipative Workstation Kit	Blue Bench Mat and Common Point Ground Cord
12-8043	9	ESD Two Layer Workstation Mat (24" x 40')	Use in Soldering or Assembly Area
12-8044	9	Two Layer Workstation Kit (18" x 24")	Common Ground Point (12-8032)
12-8045	9	ESD Three Layer Workstation Mat (24" x 40')	Use in Soldering or Assembly Area
12-8046	9	Three Layer Workstation Kit (18" x 24")	Common Ground Point (12-8032)
12-8048	9	Floor Ground Kit (24" x 36")	Gray Floor Mat, 1 Ground Cord, 1 Snap Socket (12-8028)
12-8047	10	Anti-fatigue Dissipative Floor Mat (3' x 60')	Foamed Soft Mat
12-8047-SNKT		Universal Snap Kit	10 mm Stud, 10 mm Socket, a Long and Short Screw
12-8060	11	Touch Type Wrist Strap Tester	AC Operation, Operates on Demand, Common Point Grounding Jacks for 2 Straps
12-8061	12	Anti-static Packaging Tape	1" Width
12-8062	12	Anti-static Packaging Tape	2" Width

SPECIALTY TOOLS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

Specialty Tools

Retail Part No.	Bulk Part No.	Figure No.	Material	Features
22-423		1	Long Reach Magnifying Work Lamp	3-Diopter, 45" Reach
22-425			Replacement Bulb	Replaces Bulb for 22-423
22-427			Replacement Switch	Replaces Switch for 22-423
12-5090		2	Inspection Mirror	7" Long, Metal Shaft with Plastic Handle
5093		3	Miniature Inspection Mirror	4-1/8" Long, 3/4" Diameter, All Non-conductive
12-053		4	Extra Hands with Magnifier	2 Alligator Clips and 2" Magnifying Lens
12-051		5	Double Hand Holder	2 Alligator Clips, Can Be Used in Vise
41-616		6	Miniature Vacuum Vise	Use on Non-porous Surfaces, Opens to 1-3/4", 2.625"H x 2.25"W x 2.25"D
12-061		7	Heavy Duty Swivel Vacuum Vise	Use on Non-porous Surfaces, Tilts 180° Vertically and 360° Horizontally
12-042		9	Screw Holding Screwdriver	Holds and Starts Screws from #2 to #10
12-047		8	9" Snap Lock Screw Starter	Starts Phillips and Slotted Screws Up to 1/4"

SPECIALTY TOOLS (Cont.)

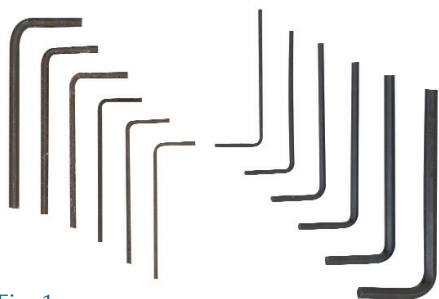


Fig. 1



Fig. 2



Fig. 3

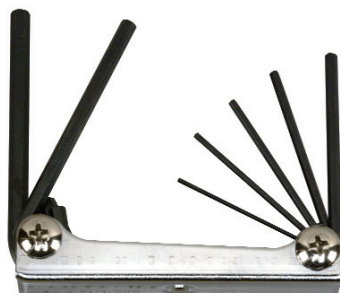


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 9



Fig. 8



Fig. 10



Fig. 11

Specialty Tools (Cont.)

Retail Part No.	N.S.N. Part No.	Figure No.	Material	Features
5028	5120-00-585-6240	1	Hex & Spline Wrench Kit	12 Wrenches in Leatherette Case, Fits #2 to 3/8" Screws
5029		2	Hexagon Key Wrench	5 Wrenches, Fits #4 to 1/4" Set Screws and #2 to #8 Cap Screws
5070	5120-00-585-6257	3	Spline Key Wrench	6 Wrenches, Fits #4 to 1/4" Set Screws and #2 to #8 Cap Screws
9124		4	Pocket Hex Key Wrench Set	6 Wrenches, 3/16" to 1/2", Nickel Chrome Alloy Steel
9358	5120-00-88-4009	5	Knurl Nut Wrenches	Tightens/Loosens Knurled Finish Nuts, Takes 1/2" Nuts
9359		5	Knurl Nut Wrenches	Tightens/Loosens Knurled Finish Nuts, Takes 5/8" Nuts
9337		6	Contact Burnishing Tools	Removes Oxide and Corrosion, .120" Wide Fineline
9338		6	Contact Burnishing Tools	Removes Oxide and Corrosion, .25" Standard Width
12-040		7	Taper Reamer	Enlarges Holes, Removes Burrs, Starts with 1/8" Hole, Tapers to 13/16"
12-650		8	Pin Extractor Tools	Removes Male or Female Pins for .062" Pins
12-653		8	Pin Extractor Tools	Removes Male or Female Pins for .093" Pins
9317	5950-01-046-7345	9	UL Professional High-power Degaussing Coil	Eliminates Magnetic Field in CRT TV Picture Tubes and Monitors, 8' Cord
12-4614		10	Spring Steel IC Extractor	Fits LSI, MSI, and SSI Devices from 8 to 24 Pins

Bulk Part No.	N.S.N. Part No.	Figure No.	Material	Features
10-272-BU		11	Wood	I.C. Remover/ Stir Stick, 7" Long

SPECIALTY TOOLS (Cont.)

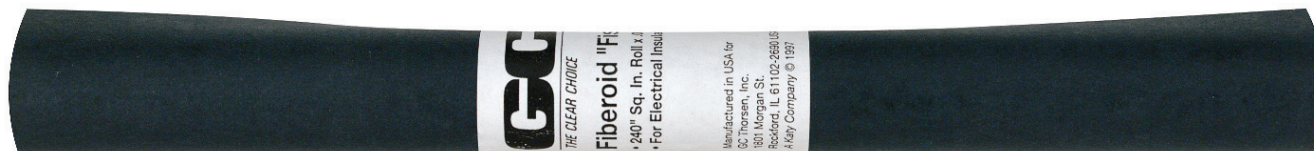


Fig. 1

Note: 0.01" ±10% Thickness

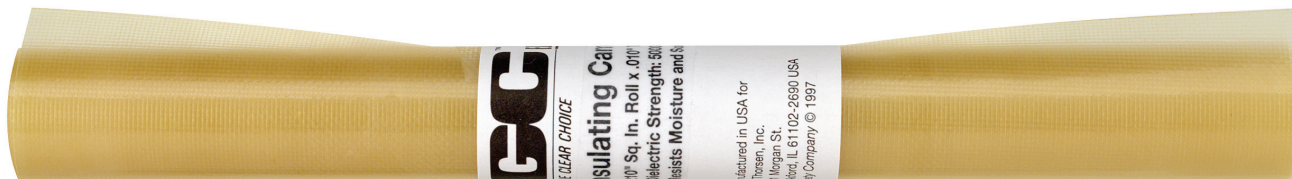


Fig. 2

Note: 210 sq. in. (9 in. wide) • Dielectric Strength 5,000 V



Fig. 3



Fig. 4



Fig. 5

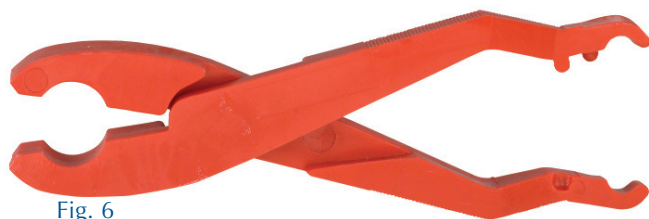


Fig. 6

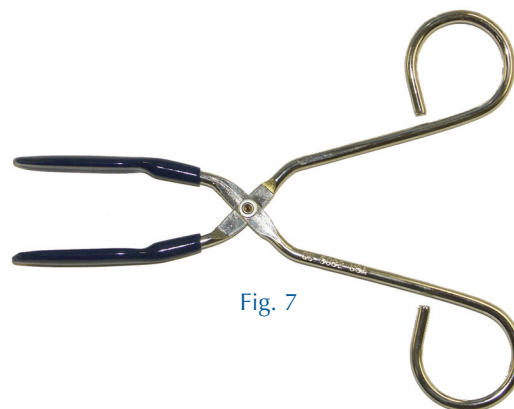


Fig. 7

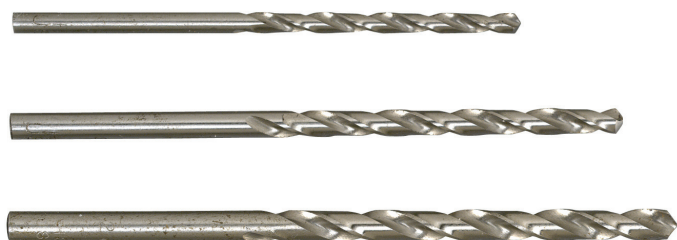


Fig. 8



Fig. 9

Specialty Tools (Cont.)

Retail Part No.	Bulk Part No. 100 Package	N.S.N. Part No.	Figure No.	Material	Features
560	560-100		1	Fibroid "Fish Paper" 10" x 24"	Vulcanized Cellulose Fiber for All Electrical Insulation
549	549-100		2	Insulating Cambric	Used to Insulate Transformers, Chokes, Resistors and Motors
12-1806			3	Nibbling Tool	Cuts Metal and Non-brittle Plastic Up to 1/16", Steel Up to 18 AWG
12-2018			4	8" Push/Pull Tool	Hook/"S" Ends-Tool for Manipulating Drive Belts and Springs
12-2019			5	8" Push/Pull Tool	Hook/"S" Ends-Tool for Manipulating Drive Belts and Springs
9356		5120-00-554-3372	6	Duo-tongs Universal Fuse Puller	Shock Proof, Molded Nylon Universal Fuse Puller
5092			7	Tube/Parts Extractor	Nickel Plated, Straight Insulated Jaws for Firm Grip
22-275			8	Drill Bit Set	#66 Bit (.033"), #60 Bit (.04"), #1/16 Bit (.0625")
22-276			8	Drill Bit Set	#31 Bit (.12"), #27 Bit (.144"), #3/32 Bit (.0938")
12-044			9	Mini 5" Pick-up Tool	Picks Up Parts in Inaccessible Places (Three Prong)

UTILITY KNIVES



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Utility Knives

Retail Part No.	Bulk Part No.	Figure No.	Description
12-127		1	Utility Knife with Fold-out Blade
12-126		2	Automatic Loading Utility Knife
12-124		3	Heavy Duty Snap Blade Utility Knife
12-125		4	Plastic Snap Blade Utility Knife

UTILITY KNIFE REPLACEMENT BLADES



Fig. 5

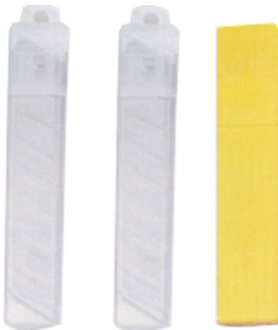


Fig. 6



Fig. 7

Utility Knife Replacement Blades

Retail Part No.	Bulk Part No.	Figure No.	Description
12-122		5	Utility Knife Blade Refill for 12-126 and 12-127
12-121		6	Heavy Duty Snap Blade Refill for 12-125
12-120		7	Snap Blade Refill for 12-124

Tools

NEW TOOLS & TOOL KITS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

Additional Tools and Kits

Retail Part No.	Figure No.	Description	Contents	No. of Pieces
12-6960	1	Anti-static Wrist Strap	Conductive Velcro Band Made of Nylon, Coated on Inside with Conductive Carbon	1
12-6962	2	Soldering Aid Kit	Standard Solder Aid Tools	6
12-6964	3	Cellular Phone Tool Kit	T-5, T-6, T-7 Star Drivers; Cover Opener, Security Driver, 0 Point Phillips, Panel Opener	7
12-6966	4	Soldering Iron	100W, 5/16" Long Life Tip, Double Insulated, Comfort Handle	1
12-6968	5	Multi-media PC Cleaning Kit	Spare Parts Tube, Mini Hammer, Flash Light w/Batteries, 3-piece Mini Phillips Screwdriver Set, Slip Joint Pliers, 4-piece Square Bit (#0, #1, #2, #3), 1 Socket Adapter, 2 Sets of 5-piece Sockets: (3/16", 1/4", 5/16", 11/32", 3/8") and (5mm, 6mm, 7mm, 8mm, 9mm), Knife, 6' (2m) Measuring Tape, 3-way Ratchet Driver, 3-piece Mini Flat Screwdriver Set, 2-piece Phillips Blade Bit (#1, #2), Comes in Vinyl Case	19
12-6970	6	Electronic Hobby/Professional Tool Kit	1 Socket Adapter, Soldering Iron, IC Inserter 14-16 Pin ICS, 4-piece Precision Screwdriver, Reverse Action Tweezer, Curved Scribe/Scraper, 5" Long Nose Pliers, Mini box, IC Extractor, Solder Sucker, Extension Bar, 10-piece Bit Set, Solder Reel, 10 Cable Ties, 6" Adjustable Wrench, 3-claw Part Retriever, 4-1/2" Diagonal Pliers, 8" Crimp Tool, 9-piece Hex Key, Tweezers, 3-way Ratchet Driver, 2 Sockets: (3/16", 1/4"), Blow Molded Case	53
12-6972	7	R & D/PC Master Tool Kit	Spare Parts Tube, IC Inserter 24-28 Pin ICS, 1/4" Nut Driver, #1 Phillips Screwdriver, 1/8" Flat Screwdriver, 1/4" Flat Screwdriver, 5" Long Nose Pliers, Mini Reverse Action Tweezers, Scraper/Wire Brush, Scribe/Fork, Solder Sucker, Solder Iron, 8" Wire Stripper/Crimper, IC Extractor, 3/16" Nut Driver, #0 and #2 Phillips Screwdrivers, 3/16" Flat Screwdriver, T-10/T-15 Star Driver, Tweezers, 3-claw Part Retriever, Curved Scribe/Scraper, Heat Sink, Solder Reel, 6" Adjustable Wrench, Vinyl Zippered Case	26
12-6974	8	Electrical Service/PC Cleaning Tool Kit	Spare Parts Tube, 1/8" Flat Screwdriver, Tweezers, Cleaner/Anti-static, 3.5" Disk Driver Cleaner, 1 Reversible Star Bit Driver, 2 Reversible Slotted/Phillips Blade Bit: (3/16" #1 and 1/4" #2), Reversible Handle, 4-1/2" Diagonal Pliers, Cleaning Tools, Cleaning Paper, 5.25" Disk Drive Cleaner, #0 Phillips Screwdriver, 5" Long Nose Pliers, Cleaning Water, Cleaning Swabs, 3/16" and 1/4" Nut Bits, Vinyl Zippered Case	19

NEW SELF-STORING TOOLS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



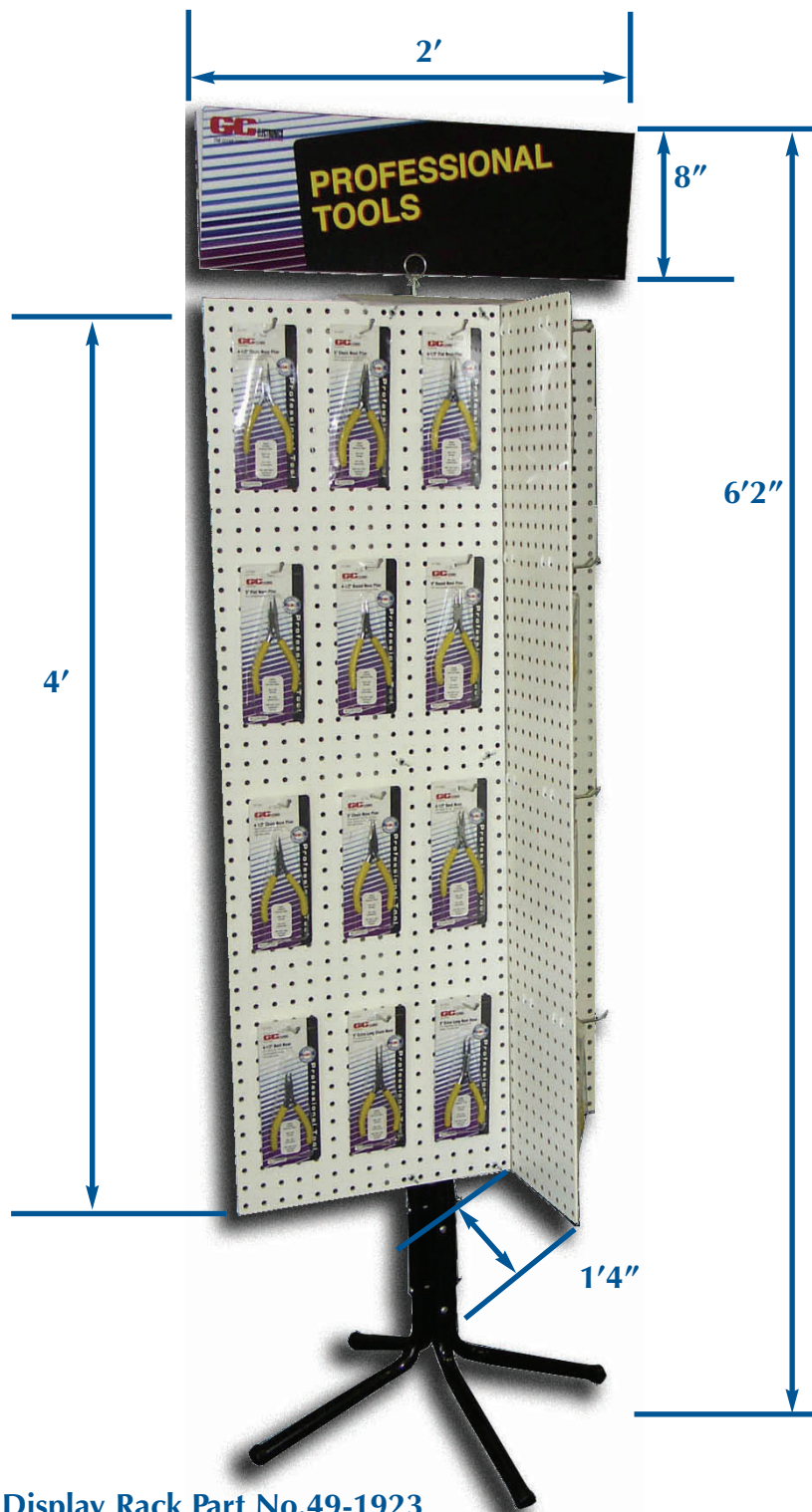
Fig. 12

Self-Storing Tools

Retail Part No.	Bulk Part No.	Bulk Part No. 12 Package	Fig. No.	Description	Features
12-6980		12-6980-12	1	Select-A-Drive Screwdriver	1 Each: 3/16" & 1/4" Slotted, #1 & #2 Phillips, #2 Square, Torx T-15 Bits
12-6984		12-6984-12	2	Mini Select-A-Drive Screwdriver with Belt Clip	1 Each: 2 & 4 mm Slotted, 0 & 1 pt. Phillips, 0 pt. Square Bits
12-6986		12-6986-12	3	SAE Select-A-Drive HEX Driver	1 Each: 3/32", 7/64", 1/8", 9/64", 5/32", 3/16" Bits
12-6988		12-6988-12	4	Metric Select-A-Drive HEX Driver	1 Each: 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm Bits
12-6990			5	Phillips Select-A-Drive Replacement Bits, 2 Pieces	1 Each: #1 & #2 Phillips Bits
12-6991			6	Slotted Select-A-Drive Replacement Bits, 2 Pieces	1 Each: 1/4" & 3/16" Slotted Bits
12-6992			7	Square Select-A-Drive Replacement Bits, 2 Pieces	1 Each: #1 & #2 Square Bits
12-6993			8	Torx Select-A-Drive Replacement Bits, 2 Pieces	1 Each: T-15 & T-20 Torx Bits
12-6994			9	SAE Socket-Silo 1/4" Ratchet Set	1 Each: 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" Sockets
12-6995			10	Metric Socket-Silo 1/4" Ratchet Set	1 Each: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 13mm Sockets
12-6996			11	SAE Socket-Silo 3/8" Ratchet Set	1 Each: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" Sockets
12-6997			12	Metric Socket-Silo 3/8" Ratchet Set	1 Each: 10mm, 11mm, 13mm, 14mm, 15mm, 17mm, 19mm Sockets

TOOL PROGRAMS

- Tool Spinner Program 49-1923
- 49 Tool Part Numbers
- Spinner Program
- Crimpers, Strippers, Pliers, Cutters



Display Rack Part No.49-1923

TOOL PROGRAMS (Cont.)

- Tool Spinner Program 49-1923
- 49 Tool Part Numbers
- Spinner Program
- Crimpers, Strippers, Pliers, Cutters

Program Contents:

Part No.	Quantity Per Program	Quantity Package	Description
12-001	2	1	Professional Telco Crimp Tool, 8 Contact
12-002	2	1	Modular Crimp Tool, 4 & 6 Contact
12-004	2	1	Telco Crimp Tool, 4 & 6 Contact
12-005	2	1	Metal Crimp Tool for Handset Plug
12-088	2	1	Standard 1 Piece Compression Tool
12-155	2	1	Fully Automatic Wire Stripper
12-171	2	1	Coax Stripper 2 Level
12-172	2	1	Coax Stripper 3 Level
12-176	2	1	Telco Line Cord Stripper
12-178	2	1	Multi-Function Wire Stripper
12-197	2	1	Round Cable Rotary Wire Stripper
12-2475	2	1	7-1/2" Metal Ratcheting Crimp Tool for RJ11, RJ12, RJ45
12-400	2	1	Crimping Tool with Terminal Assortment
12-454	2	1	Modular Crimp Tool
12-456	2	1	Ratcheting Crimp Tool
12-460	2	1	Crimping Tool for "D" Sub Connector
12-461	2	1	6-1/2" Coaxial Cable Cutter
12-462	2	1	Round Cable and Wire Cutter
12-464	2	1	D-Sub/Double-D Service Tool
12-466	2	1	4 Way Indent Crimper
12-531	2	1	Coax Stripper for RG-59
12-5700	2	1	Impact Punch Down Tool
12-7301	2	1	4-1/2" Chain-Nose Pliers
12-7302	2	1	5" Chain-Nose Pliers
12-7303	2	1	4-1/2" Flat-Nose Pliers
12-7304	2	1	5" Flat-Nose Pliers
12-7305	2	1	4-1/2" Round-Nose Pliers
12-7306	2	1	5" Round-Nose Pliers
12-7307	2	1	4-1/2" Chain-Nose Pliers-Serrated
12-7308	2	1	5" Chain-Nose Pliers-Serrated
12-7309	2	1	4-1/2" Bent-Nose Pliers
12-7310	2	1	4-1/2" Bent-Nose Pliers-Serrated
12-7311	2	1	5" Extra Long Chain-Nose Pliers
12-7312	2	1	5" Bent-Nose Pliers
12-7313	2	1	6" Extra Long Bent-Nose Pliers
12-7314	2	1	5-3/4" Extra Long Needle-Nose Pliers
12-7315	2	1	4-3/4" Long-Nose Side Cutter Pliers
12-7321	2	1	4-1/2" Side Cutter, Semi-Flush
12-7322	2	1	5" Side Cutter, Semi-Flush
12-7323	2	1	4-1/2" Side Cutter, Full-Flush
12-7324	2	1	5" Side Cutter, Full-Flush
12-7325	2	1	4-1/2" Side Cutter, Tapered Semi-Flush
12-7326	2	1	4-1/2" Side Cutter, Tapered Full-Flush
12-7330	2	1	4-1/2" Flush Tip Cutter
12-7331	2	1	4-1/2" Mini Tapered Flush Cutter
12-7332	2	1	4-1/2" Mini Oval Flush Cutter
12-7333	2	1	6" Long-Nose Plier-Serrated Jaws
12-9001	2	1	Crimp Tool 22-10 AWG Insulated Terminal
12-9021	2	1	Crimp Tool RG-59, RG-6 "F" Type CAT 5
49-449-10R	55		4" Hooks
49-1923-3	1		Reorder Card Set
75-2040-R	1		Rotary Rack
GC-PKRM-7838	1		Packing List & Road Map
GC-HDR-7851	1		2' Crimp Tool Header
GC-HDR-7879	1		2' Plier Tool Header

TOOL PROGRAMS (Cont.)

- Professional Tool Program 49-1908
- 25 Tool Part Numbers
- 2 Foot Program
- Pliers



TOOL PROGRAMS (Cont.)

- Professional Tool Program 49-1908
- 25 Tool Part Numbers
- 2 Foot Program
- Pliers

Program Contents:

Part No.	Quantity Per Program	Quantity Package	Description
12-7301	2	1	4-1/2" Chain-Nose Pliers
12-7302	2	1	5" Chain-Nose Pliers
12-7303	2	1	4-1/2" Flat-Nose Pliers
12-7304	2	1	5" Flat-Nose Pliers
12-7305	2	1	4-1/2" Round-Nose Pliers
12-7306	2	1	5" Round-Nose Pliers
12-7307	2	1	4-1/2" Chain-Nose Pliers-Serrated
12-7308	2	1	5" Chain-Nose Pliers
12-7309	2	1	4-1/2" Bent-Nose Pliers
12-7310	2	1	4-1/2" Bent-Nose Pliers-Serrated
12-7311	2	1	5" Extra Long Chain-Nose Pliers
12-7312	2	1	5" Bent-Nose Pliers
12-7313	2	1	6" Extra Long Bent-Nose Pliers
12-7314	2	1	5-3/4" Extra Long Needle-Nose Pliers
12-7315	2	1	4-3/4" Long-Nose Side Cutter Pliers
12-7321	2	1	4-1/2" Side Cutter, Semi-Flush
12-7322	2	1	5" Side Cutter, Semi-Flush
12-7323	2	1	4-1/2" Side Cutter, Full-Flush
12-7324	2	1	5" Side Cutter, Full-Flush
12-7325	2	1	4-1/2" Side Cutter, Tapered Semi-Flush
12-7326	2	1	4-1/2" Side Cutter, Tapered Full-Flush
12-7330	2	1	4-1/2" Flush Tip Cutter
12-7331	2	1	4-1/2" Mini Tapered Flush Cutter
12-7332	2	1	4-1/2" Mini Oval Flush Cutter
12-7333	2	1	6" Long-Nose Pliers-Serrated Jaws
49-508-10R	30		2" Hooks
49-1908-3	1		Reorder Card Set
75-2050-R	1		2' Display Rack
75-3001-5R	2		Brackets
75-3001-6R	2		2 Sided Tape (5/8" x 8")
GC-PK-6826	1		Packing List
GC-RM-6842	1		Roadmap
GC-HDR-7879	1		Header

TOOL PROGRAMS (Cont.)

- Professional Tool Program 49-1940
- 13 Tool Part Numbers
- 2 Foot Program
- Crimpers, Strippers



- Professional Tool Program 49-1940
- 13 Tool Part Numbers
- 2 Foot Program
- Crimpers, Strippers

Program Contents:

Part No.	Quantity Per Program	Quantity Package	Description
12-171	3	1	Coax Stripper 2 Level
12-172	3	1	Coax Stripper 3 Level
12-176	4	1	Telco Line Cord Stripper
12-178	3	1	Multi-Function Wire Stripper
12-197	2	1	Round Cable Rotary Wire Stripper
12-454	2	1	Modular Crimp Tool
12-461	6	1	6-1/2" Coax Cable Cutter
12-462	6	1	Round Cable and Wire Cutter
12-464	3	1	D-Sub/Double-D Service Tool
12-466	2	1	4 Way Indent Crimper
12-5700	3	1	Impact Punch Down Tool
12-9001	2	1	Crimp Tool 22-10 AWG Insulated Terminal
12-9021	2	1	Crimp Tool RG-59, RG-6 "F" Type CAT 5
49-449-10R	18	1	4" Hooks
49-1940-3	1	1	Reorder Card Set
75-2050-R	1	1	2' Display Rack
75-3001-5R	2	1	Brackets
75-3001-6R	2	1	2 Sided Tape
GC-HDR-7851	1	1	Header
GC-PKRM-7466	1	1	Packing List & Road Map

NOTES

REMOVAL TOOL

Tool for removing and/or swapping GC Marine Rocker switch actuators (for flush brackets), allowing for changing a plastic actuator from one installed (un-powered) switch to another. Insert tool points under actuator, hold flush on bracket and push in.

Actuator Removal Tool for Marine Rockers

FEATURES:

- RoHS compliant
- Length: 3.99"
- Color: Silver

BENEFITS:

- Tool for removing and swapping GC Marine Rocker switch actuators
- Changes a plastic actuator from one un-powered switch to another



PART NO: **35-3597**

Product Details:

PART NO.	DESCRIPTION	LENGTH
35-3597	ACTUATOR TOOL	3.99"
35-3597-BU	ACTUATOR TOOL	3.99"





WIRE

Contents:

- Coaxial Cable p394
- Telephone Wire p395
- Voice and Communication Wire p396-397
- Speaker Wire p398-401
- Wire Accessories p402
- Wire Management p403
- Wire Programs p404-419



COAXIAL CABLE WIRE

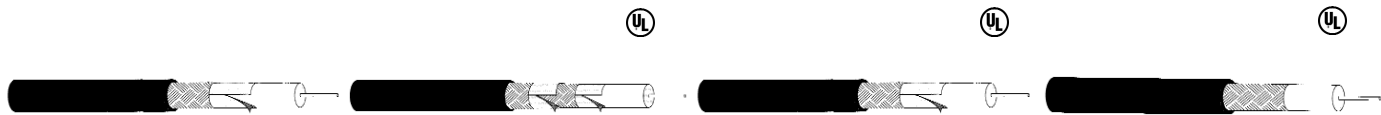


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Features:

2.25 GHz swept bandwidths,
Solid bare copper conductors,
Ascending foot marks,
Convenient pull-out box packaging

Applications:

Satellite systems, datacom transmission, networking/residential structured cabling, HDTV (High Definition Television), CATV (Community Antenna Television), CCTV (Closed Circuit Television), radio frequency, class 2 circuit wiring

RG59/U Coaxial Cable

Specifications:

Type: RG59/U
Jacket Material: PVC
Jacket O.D.: 6.1mm
Conductor: 22 AWG Solid Bare Copper
Dielectric Shield: Aluminum/Polyester Foil (Bonded)
Dielectric Material: Foam Polyethylene
Dielectric O.D.: 3.7mm
Impedance: 7.5 ± 2.5 Ohms
Nominal Velocity of Propagation (V.O.P.): 80%
Nominal Capacitance (pF/m): 54
Dielectric Strength (kV): 1.6
Return Loss VHF/UHF (dB): 20/18

Retail Part No.	Figure No.	Length (Feet)	Jacket Color	Braid Shield
14-1924-9H61	1	500	Black	Aluminum (40%)
14-1924-9H81	1	1000	Black	Aluminum (40%)

RG6/U Coaxial Cable

Specifications:

Type: RG6/U CATV/CL2/CM AWM Style 1354 (14-1918-1H81 and 14-918-1H82 are Quad Shield)
Jacket Material: PVC
Jacket O.D.: 7.6mm
Conductor: 18 AWG Solid Bare Copper
Dielectric Shield: Aluminum/Polyester Foil (Bonded) (14-1918 is Not Applicable, 14-1918-1H81 and 14-918-1H82 each have two.)
Dielectric Material: Foam Polyethylene
Dielectric O.D.: 4.57mm
Impedance: 7.5 ± 2.5 Ohms
Nominal Velocity of Propagation (V.O.P.): 83%
Nominal Capacitance (pF/m): 54
Dielectric Strength (kV): 1.6
Return Loss VHF/UHF (dB): 20/18

Retail Part No.	Figure No.	Length (Feet)	Jacket Color	Braid Shield
14-1918-1H81	2	1000	Black	Aluminum (1-60%, 2-40%)
14-918-1H82	2	1000	White	Aluminum (1-60%, 2-40%)
14-1918-9H69	3	500	Black	Aluminum (60%)
14-1918-9H89	3	1000	Black	Aluminum (60%)
14-918-9H87	3	1000	White	Aluminum (60%)
14-1926-9H81*	3	1000	Black	Aluminum (40%)
14-1918	4	1000	Black	Copper (95%)

*Not UL listed.

Coaxial Cable Construction Key



Center Conductor:
Solid Bare Copper

Dielectric Insulation:
Foam polyethylene,
natural in color

Dielectric Shield:
Aluminum/polyester foil tape
bonded to dielectric

Braid Shield:
Aluminum or Copper woven over dielectric
shield expressed in percentage of coverage

Jacket:
Made of Polyvinyl Chloride (PVC),
black or white in color



Attenuation

RG59/U		RG6/U	
MHz	dB/100M	MHz	dB/100M
50	6.8	50	5.2
100	8.9	100	7.0
200	12.7	200	10.0
400	17.8	400	14.0
450	19.1	450	14.9
550	21.1	550	16.5
750	24.8	750	19.4
800	25.7	800	20.1
1000	29.0	1000	22.8
1500	36.5	1500	28.7
2000	41.7	2000	34.2
2500	46.4	2500	40.1

Station Wire

Specifications:

Jacket: Round, PVC
Jacket Color: Beige
Conductor: Solid Copper



Application:

Economical, single line straight lay telephone hook-ups

Part No.	AWG	No. of Conductors	Length (Feet)	Put-Up
30-9903*	24	4	100	Hank
30-9956	24	4	100	Hank
30-9984	24	4	500	Shrink Bag
30-9998	24	4	1000	Shrink Bag
30-9999	24	6	1000	Shrink Bag
30-9902	22	4	25	Hank
30-9900	22	4	50	Hank
30-9901	22	4	100	Hank
30-9985	22	4	500	Shrink Bag
30-9986	22	4	1000	Shrink Bag
30-9969	22	6	100	Hank
30-9996	22	6	500	Shrink Bag
30-9989	22	6	1000	Shrink Bag

*UL listed type CMX, CSA type CMG

Flat Line Cord

Specifications:

Jacket: PVC
Conductor: 26 AWG Stranded Copper



Application:

For indoor use in connecting telephone unit to wall outlets, handset, answering machines, etc. Terminate with standard modular plugs.

Part No.	Color	No. of Conductors	Length (Feet)	Put-Up
30-9920	Ivory	4	50	Hank
30-9927	Silver	4	50	Hank
30-9922	Ivory	4	100	Hank
30-9928	Silver	4	100	Hank
30-9990	Silver	4	500	Shrink Bag
30-9921	Ivory	4	500	Shrink Bag
30-9929	Silver	4	1000	Spool
30-9963	Ivory	4	1000	Spool
30-9933	Ivory	6	100	Hank
30-9938	Silver	6	100	Hank
30-9994	Silver	6	500	Shrink Bag
30-9939	Silver	6	1000	Spool
30-9966	Ivory	6	1000	Spool
30-9948	Silver	8	500	Spool
30-9949	Silver	8	1000	Spool

Conductor Color Key

Use for station and flat line cord only.

4 Conductor	6 Conductor	8 Conductor
	Blue	
	Orange	Orange
Black	Black	Black
Red	Red	Red
Green	Green	Green
Yellow	Yellow	Yellow
	Brown	Brown
		White

Shrink Bag

- Durable and waterproof
- Easy pullout
- Holds shape without uncoiling
- View remaining cable
- Space saving



Hank

- Card or tab retail packing
- Great for showroom display
- Suggestive selling on back



Spool

- Traditional put-up
- Easy to read labeling
- Plastic wrapped, no rubber bands



VOICE AND COMMUNICATION WIRE

CAT 3 24 AWG Twisted Pair Phone Wire

Specifications:

UL Listed: CMR rated 2, 3, 4 and 6 pair
 Conductor: 24 AWG Solid Bare Copper
 Conductor O.D.: .0201 Insulation
 Nominal Thickness: Polyethylene .008
 Jacket Material: PVC
 Jacket Color: Beige
 Nominal Jacket O.D.: .018
 DC Resistance: 28.06 ohms/1000 Feet Maximum
 Impedance: 1.0-16.0 MHz-100 ohms $\pm 15\%$
 Structural Return Loss (dB): 1.0-10.0 MHz=12



Attenuation

(dB/meters at 20°C):	
256 KHz	1.3 dB
772 KHz	2.2 dB
1.0 MHz	2.6 dB
4.0 MHz	5.6 dB
8.0 MHz	8.5 dB
9.0 MHz	9.7 dB

Color Coded

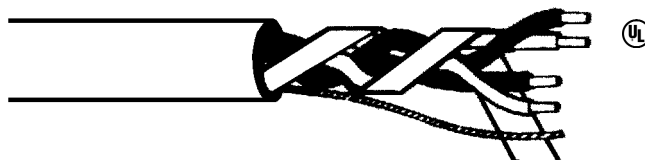
Pair No.	1st Cond. Base/Band	2nd Cond. Base/Band
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Retail Part No.	Length (Feet)	Nominal O.D.	Packaging	No. of Pairs
30-9973	100	.140	Hank	3
14-624-4L89	1000		Pull-out Box	2
14-624-6L89	1000	.160	Pull-out Box	3
14-624-8L89	1000		Pull-out Box	4
14-624-9L89	1000	.140	Pull-out Box	6

CAT 3 22 AWG Twisted Pair Phone Wire

Specifications:

UL Listed: CMR rated 2 and 3 pair
 Conductor: 22 AWG Solid Bare Copper
 Conductor O.D.: .0253 Insulation
 Nominal Thickness: Polyethylene .008
 Jacket Material: PVC
 Jacket Color: Beige
 Nominal Jacket O.D.: .018
 DC Resistance: 18.0 ohms/1000 Feet Maximum
 Impedance: 1.0-16.0 MHz-100 ohms $\pm 15\%$
 Structural Return Loss (dB): 1.0-10.0 MHz=12



Attenuation

(dB/meters at 20°C):	
256 KHz	1.3 dB
772 KHz	2.2 dB
1.0 MHz	2.6 dB
4.0 MHz	5.6 dB
8.0 MHz	8.5 dB
9.0 MHz	9.7 dB

Color Coded

Pair No.	1st Cond. Base/Band	2nd Cond. Base/Band
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Retail Part No.	Length (Feet)	Nominal O.D.	Packaging	No. of Pairs
14-622-4L89	1000	.180	Pull-out Box	2

CAT 5 24 AWG Unshielded Twisted Pair-Up to 100 MHz

Features:

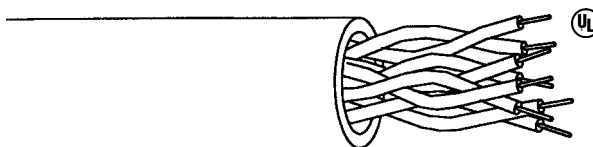
Meets EIA/TIA 568-B.2 specifications, ascending foot marks.
 Convenient pull-out box packaging. Speed is up to 100 MHz.

Applications:

Voice, datcom transmission, networking/residential structured cabling

Specifications:

UL Listed: CMR rated
 Conductor: 24 AWG Solid Bare Copper
 Conductor O.D.: .050mm
 Insulation Material: HD Polyethylene
 Insulation O.D.: .20mm
 Jacket Thickness: .68mm
 Jacket Material: PVC
 Jacket Color: Gray



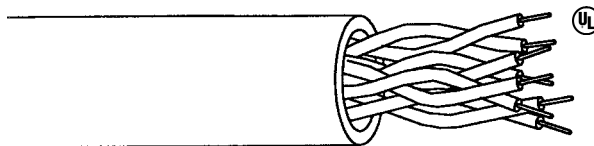
Retail Part No.	Length (Feet)	Cable O.D.	Packaging	No. of Pairs
14-554-8B88	1000	.220mm	Pull-out Box	4
14-555-8L68	500	5.6mm	Pull-out Box	4

VOICE AND COMMUNICATION WIRE (Cont.)

CAT 5e 24 AWG Unshielded Twisted Pair–350 MHz Swept

Specifications:

UL Listed: CMR/MPR
Conductor: 24 AWG Solid Bare Copper
Conductor O.D.: .050mm
Insulation Material: HD Polyethylene
Insulation O.D.: .93mm
Jacket Thickness: .5mm
Jacket Material: PVC
Cable O.D.: 5.2mm

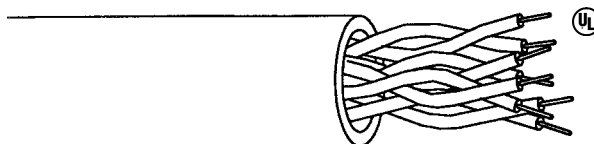


Retail Part No.	Length (Feet)	Color	No. of Pairs
14-1350-8L81	1000	Pink	4
14-1350-8L82	1000	Orange	4
14-1350-8L83	1000	White	4
14-1350-8L84	1000	Red	4
14-1350-8L85	1000	Gray	4
14-1350-8L86	1000	Green	4
14-1350-8L87	1000	Yellow	4
14-1350-8L88	1000	Violet	4
14-1350-8L89	1000	Blue	4

CAT 6e 24 AWG Unshielded Twisted Pair–550 MHz Swept

Specifications:

UL Listed: CMR/MPR
Conductor: 24 AWG Solid Bare Copper
Conductor O.D.: .559mm
Insulation Material: Polyethylene
Insulation O.D.: .88mm
Jacket Thickness: .42mm
Jacket Material: PVC
Cable O.D.: 5.99mm



Retail Part No.	Length (Feet)	Color	No. of Pairs
14-1550-8L82	1000	Gray	4 (with Rip Cord)
14-1550-8L84	1000	White	4 (with Rip Cord)
14-1550-8L89	1000	Blue	4 (with Rip Cord)

Electrical Specifications

General Specifications: Cat 5e (Cat 6e)

Impedance (Ohms): 100±15 (100±15)
Delay Skew: 45ns/100m (25ns/100m)
Velocity of Propagation: 69% (70%)
DC Resistance: 28.6 Ohm/1000ft (28.6 Ohm/1000ft)

Conductor Color Key (Unshielded Twisted Pair Only)

Pair No.	1st Cond. Base/Band	2nd Cond. Base/Band
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Frequency (MHz)	Maximum Attenuation (dB/100m)		Minimum Near-End Crosstalk (dB/100m)		Attenuation Crosstalk Ratio (dB/100m)		Minimum PowerSum Near-End Crosstalk (dB/100m)		PowerSum Attenuation Crosstalk Ratio (dB/100m)		Minimum Return Loss (dB/100m)		Minimum Equal Level Far-End Crosstalk (dB/100m)		Minimum PowerSum Equal Level Far-End Crosstalk (dB/100m)	
	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e
1	2.0	2.0	68.3	77.3	66.3	75.0	66.3	75.3	64.6	73.0	20.0	20.0	63.8	70.8	60.8	67.8
4	4.1	3.8	59.3	68.3	55.2	64.0	57.3	66.3	53.2	62.0	23.0	23.6	51.7	58.7	48.7	55.7
8	5.8	5.3	54.8	63.8	49.0	57.7	52.8	61.8	47.0	55.7	24.5	25.4	45.7	52.7	42.7	49.7
10	6.5	5.9	53.3	62.3	46.8	55.6	51.3	60.3	44.8	53.6	25.0	26.0	43.8	50.8	40.8	47.8
16	8.2	7.4	50.3	59.3	42.1	50.7	48.3	57.3	40.1	48.7	25.0	26.0	39.7	46.7	36.7	43.7
20	9.3	8.3	48.8	57.8	39.5	48.2	46.8	55.8	37.5	46.2	25.0	26.0	37.7	44.7	34.7	41.7
25	10.4	9.3	47.3	56.3	36.9	45.6	45.3	54.3	34.9	43.6	24.3	25.5	35.8	42.8	32.8	39.8
31.25	11.7	10.4	45.9	54.9	34.2	42.8	43.9	52.9	32.2	40.8	23.6	25.0	33.9	40.9	30.9	37.9
62.5	17.0	14.9	41.4	50.4	24.4	32.9	39.4	48.4	22.4	30.9	21.5	23.5	27.8	34.8	24.8	31.8
100	22.0	19.0	387.3	47.3	16.3	24.9	36.3	45.3	14.3	22.9	20.1	22.5	23.8	30.8	20.8	27.8
155	28.1	23.9	35.5	45.8	7.4	21.0	33.5	43.5	5.4	21.5	18.8	21.6	20.0	27.0	17.0	23.6
200	23.4	27.4	33.8	42.8	1.4	18.4	31.8	40.8		16.4	18.0	21.0	17.7	24.7	14.7	21.7
250	36.0	30.8	32.6	41.3		13.5	30.6	39.3		11.5	17.4	20.5	16.2	22.8	13.2	19.8
300	41.0	34.0	31.2	40.2		9.6	29.2	38.2		5.0	16.8	20.1	14.2	21.2	11.2	18.2
350	44.9	37.0	30.1	39.2		5.2	28.1	37.2		3.2	16.3	19.8	12.9	19.9	9.9	16.9
400		39.7		38.3		1.5		36.3				19.5				15.7
450		42.1		37.5				35.3				19.2				14.7
500		44.9		36.8				34.8				19.0				13.8
550		47.3		36.2				34.2				18.8				12.9

For the latest information—www.gcelectronics.com

All quantities are single; BU's are packages of 10 Unless otherwise noted.

HOOK-UP and LEAD SPEAKER WIRE

26 AWG

Specifications:

Stranding: 7/34

Insulation Thickness: .010" (Stranded), .009" (Solid)

Insulation Material: Semi-rigid PVC

Nominal O.D.: .039" (Stranded), .036" (Solid)

Maximum Rating: 300 Volts

Amps Rating: 4 Amps

Packaging: Spool



Stranded (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-426-1H10	14-426-1H40	14-426-1H80	Gray
14-426-1H11	14-426-1H41	14-426-1H81	Black
14-426-1H12	14-426-1H42	14-426-1H82	Brown
14-426-1H13	14-426-1H43	14-426-1H83	Orange
14-426-1H14	14-426-1H44	14-426-1H84	Off-White
14-426-1H15	14-426-1H45	14-426-1H85	Violet
14-426-1H16	14-426-1H46	14-426-1H86	Red
14-426-1H17	14-426-1H47	14-426-1H87	Green
14-426-1H18	14-426-1H48	14-426-1H88	Yellow
14-426-1H19	14-426-1H49	14-426-1H89	Light Blue

Solid (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-426-1K10	14-426-1K40	14-426-1K80	Gray
14-426-1K11	14-426-1K41	14-426-1K81	Black
14-426-1K12	14-426-1K42	14-426-1K82	Brown
14-426-1K13	14-426-1K43	14-426-1K83	Orange
14-426-1K14	14-426-1K44	14-426-1K84	Off-White
14-426-1K15	14-426-1K45	14-426-1K85	Violet
14-426-1K16	14-426-1K46	14-426-1K86	Red
14-426-1K17	14-426-1K47	14-426-1K87	Green
14-426-1K18	14-426-1K48	14-426-1K88	Yellow
14-426-1K19	14-426-1K49	14-426-1K89	Light Blue

24 AWG

Specifications:

Stranding: 7/32

Insulation Thickness: .010"

Insulation Material: Semi-rigid PVC

Nominal O.D.: .044" (Stranded), .040" (Solid)

Maximum Rating: 300 Volts

Amps Rating: 6 Amps

Packaging: Spool



Stranded (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-424-1B10	14-424-1B40	14-424-1B80	Gray
14-424-1B11	14-424-1B41	14-424-1B81	Black
14-424-1B12	14-424-1B42	14-424-1B82	Brown
14-424-1B13	14-424-1B43	14-424-1B83	Orange
14-424-1B14	14-424-1B44	14-424-1B84	Off-White
14-424-1B15	14-424-1B45	14-424-1B85	Violet
14-424-1B16	14-424-1B46	14-424-1B86	Red
14-424-1B17	14-424-1B47	14-424-1B87	Green
14-424-1B18	14-424-1B48	14-424-1B88	Yellow
14-424-1B19	14-424-1B49	14-424-1B89	Light Blue

Solid (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-424-1L10	14-424-1L40	14-424-1L80	Gray
14-424-1L11	14-424-1L41	14-424-1L81	Black
14-424-1L12	14-424-1L42	14-424-1L82	Brown
14-424-1L13	14-424-1L43	14-424-1L83	Orange
14-424-1L14	14-424-1L44	14-424-1L84	Off-White
14-424-1L15	14-424-1L45	14-424-1L85	Violet
14-424-1L16	14-424-1L46	14-424-1L86	Red
14-424-1L17	14-424-1L47	14-424-1L87	Green
14-424-1L18	14-424-1L48	14-424-1L88	Yellow
14-424-1L19	14-424-1L49	14-424-1L89	Light Blue

22 AWG

Specifications:

Stranding: 7/30

Insulation Thickness: .010"

Insulation Material: Semi-rigid PVC

Nominal O.D.: .050" (Stranded), .045" (Solid)

Maximum Rating: 300 Volts

Amps Rating: 8 Amps

Packaging: Spool



Stranded (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-422-1C10	14-422-1C40	14-422-1C80	Gray
14-422-1C11	14-422-1C41	14-422-1C81	Black
14-422-1C12	14-422-1C42	14-422-1C82	Brown
14-422-1C13	14-422-1C43	14-422-1C83	Orange
14-422-1C14	14-422-1C44	14-422-1C84	Off-White
14-422-1C15	14-422-1C45	14-422-1C85	Violet
14-422-1C16	14-422-1C46	14-422-1C86	Red
14-422-1C17	14-422-1C47	14-422-1C87	Green
14-422-1C18	14-422-1C48	14-422-1C88	Yellow
14-422-1C19	14-422-1C49	14-422-1C89	Light Blue

Solid (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-422-1M10	14-422-1M40	14-422-1M80	Gray
14-422-1M11	14-422-1M41	14-422-1M81	Black
14-422-1M12	14-422-1M42	14-422-1M82	Brown
14-422-1M13	14-422-1M43	14-422-1M83	Orange
14-422-1M14	14-422-1M44	14-422-1M84	Off-White
14-422-1M15	14-422-1M45	14-422-1M85	Violet
14-422-1M16	14-422-1M46	14-422-1M86	Red
14-422-1M17	14-422-1M47	14-422-1M87	Green
14-422-1M18	14-422-1M48	14-422-1M88	Yellow
14-422-1M19	14-422-1M49	14-422-1M89	Light Blue

QUICK SELECTION GUIDE (Cont.)

20 AWG

Specifications:

Stranding: 7/28
Insulation Thickness: .010"
Insulation Material: Semi-rigid PVC
Nominal O.D.: .058" (Stranded), .052" (Solid)
Maximum Rating: 300 Volts
Amps Rating: 10 Amps
Packaging: Spool



Stranded (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-420-1D10	14-420-1D40	14-420-1D80	Gray
14-420-1D11	14-420-1D41	14-420-1D81	Black
14-420-1D12	14-420-1D42	14-420-1D82	Brown
14-420-1D13	14-420-1D43	14-420-1D83	Orange
14-420-1D14	14-420-1D44	14-420-1D84	Off-White
14-420-1D15	14-420-1D45	14-420-1D85	Violet
14-420-1D16	14-420-1D46	14-420-1D86	Red
14-420-1D17	14-420-1D47	14-420-1D87	Green
14-420-1D18	14-420-1D48	14-420-1D88	Yellow
14-420-1D19	14-420-1D49	14-420-1D89	Light Blue

Solid (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-420-1O10	14-420-1O40	14-420-1O80	Gray
14-420-1O11	14-420-1O41	14-420-1O81	Black
14-420-1O12	14-420-1O42	14-420-1O82	Brown
14-420-1O13	14-420-1O43	14-420-1O83	Orange
14-420-1O14	14-420-1O44	14-420-1O84	Off-White
14-420-1O15	14-420-1O45	14-420-1O85	Violet
14-420-1O16	14-420-1O46	14-420-1O86	Red
14-420-1O17	14-420-1O47	14-420-1O87	Green
14-420-1O18	14-420-1O48	14-420-1O88	Yellow
14-420-1O19	14-420-1O49	14-420-1O89	Light Blue

18 AWG

Specifications:

Stranding: 19/.0092
Insulation Thickness: .010"
Insulation Material: Semi-rigid PVC
Nominal O.D.: .066" (Stranded), .060" (Solid)
Maximum Rating: 300 Volts
Amps Rating: 15 Amps
Packaging: Spool



Stranded (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-418-1E10	14-418-1E40	14-418-1E80	Gray
14-418-1E11	14-418-1E41	14-418-1E81	Black
14-418-1E12	14-418-1E42	14-418-1E82	Brown
14-418-1E13	14-418-1E43	14-418-1E83	Orange
14-418-1E14	14-418-1E44	14-418-1E84	Off-White
14-418-1E15	14-418-1E45	14-418-1E85	Violet
14-418-1E16	14-418-1E46	14-418-1E86	Red
14-418-1E17	14-418-1E47	14-418-1E87	Green
14-418-1E18	14-418-1E48	14-418-1E88	Yellow
14-418-1E19	14-418-1E49	14-418-1E89	Light Blue

Solid (Tinned Copper)

25 Feet	100 Feet	1000 Feet	Color
14-418-1P10	14-418-1P40	14-418-1P80	Gray
14-418-1P11	14-418-1P41	14-418-1P81	Black
14-418-1P12	14-418-1P42	14-418-1P82	Brown
14-418-1P13	14-418-1P43	14-418-1P83	Orange
14-418-1P14	14-418-1P44	14-418-1P84	Off-White
14-418-1P15	14-418-1P45	14-418-1P85	Violet
14-418-1P16	14-418-1P46	14-418-1P86	Red
14-418-1P17	14-418-1P47	14-418-1P87	Green
14-418-1P18	14-418-1P48	14-418-1P88	Yellow
14-418-1P19	14-418-1P49	14-418-1P89	Light Blue

Magnet Wire

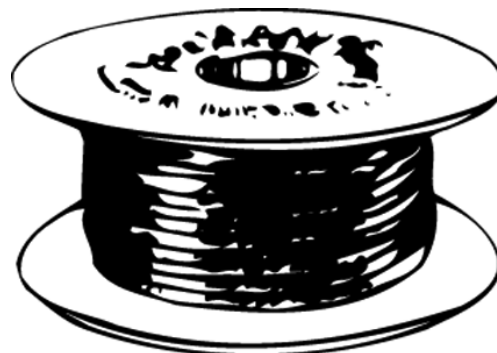
Specifications:

Insulation Material: Polyurethane/Nylon
NEMA Temperature Rating: 155°C/311°F
NEMA Spec: MW – (80°C)
Heat Shock Test: 175°C
Packaging: Spool

Applications:

Lighting, Ballasts, Relays & Timers, Motor Applications, Auto Devices

Retail Part No.	Nominal Bare Diameter	Length (Feet)	Gauge	DC Resistance in ohms/1000 Feet @ 20°C
L3-610	.0285	50	21 AWG	12.768
L3-612	.0201	100	24 AWG	25.796
L3-614	.0125	200	28 AWG	65.325
L3-616	.0080	400	32 AWG	162.05

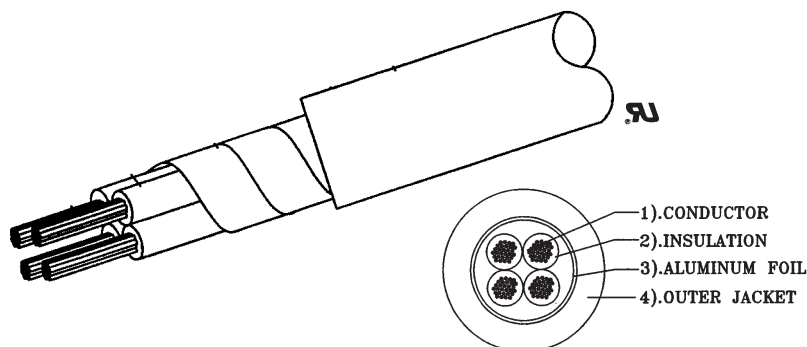


IN-WALL SPEAKER WIRE

In-Wall Speaker Wire

Specifications:

Conductor Material: Stranded Bare Copper
 Insulation Material: Semi-rigid PVC
 Insulation Nominal Thickness: 0.225mm
 Voltage Rating: 300 Volts
 Temperature Rating: 80°C
 UL Flammability Rating: VW-1
 Color: Gray
 Shield: Aluminum/Foil
 Jacket Material: PVC
 Jacket Nominal Thickness: 0.50mm
 Appliance Wiring Material: 2547



Applications:

Audio/stereo/sound system conductivity, intercom systems, public address systems

Features:

Stranded bare copper conductors, PVC insulated conductors, shielded for better performance, flame retardant jacket

Retail Part No.	Length (Feet)	No. of Conductors	AWG	Stranding	Insulation I.D. (mm)	Cable O.D. (mm)
14-1214-2Q89	1000	2	14	19/0.36	2.4	5.7
14-1216-2F89	1000	2	16	26/0.254	2.0	5.0
14-1216-4F25	25	4	16	19/0.36	2.0	6.0
14-1216-4F1C	100	4	16	19/0.36	2.0	6.0

COMPONENT SPEAKER WIRE

Applications:

Low capacitance cable for use in high definition speaker systems. Rope lay designed to increase the conductive surface, to reduce "skin effect", and to maximize flexibility. Low capacitance, resistance and inductance of these cables transfer music signals from amplifier to speakers with high clarity and definition.



Oxygen Free Power Flex™ (12 AWG, 2-Conductor)

Specifications:

Conductor Gauge: 12 AWG
 Conductor Material: Bare Oxygen Free Copper
 Stranding: 259/36
 Insulation Nominal Thickness: 0.555
 Insulation/Rope Lay Material: Extra Flexible PVC
 Voltage Rating: 300 Volts
 Temperature Rating: -20°C to 60°C
 Nominal O.D.: .205 x .415
 Additional: Surface Print for Identification & Polarity

Retail Part No.	Length (Feet)	No. of Conductors	Color	Packing
30-583	25	2	Clear	Hank
14-212-9H43	100	2	Clear	Spool
14-212-9H53	250	2	Clear	Spool
14-212-9H63	1000	2	Clear	Spool

Oxygen Free Power Flex™ (10 AWG, 2-Conductor)

Specifications:

Conductor Gauge: 10 AWG
 Conductor Material: Bare Oxygen Free Copper
 Stranding: 413/36
 Insulation Nominal Thickness: 0.070
 Insulation/Rope Lay Material: Flexible PVC
 Voltage Rating: 300 Volts
 Temperature Rating: -20°C to 60°C
 Nominal O.D.: .270 x .540
 Additional: Surface Print for Identification & Polarity

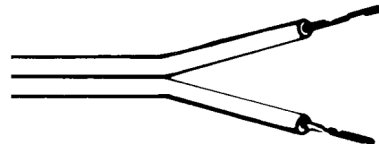
Retail Part No.	Length (Feet)	No. of Conductors	Color	Packing
30-581	25	2	Clear	Hank
14-210-9H43	100	2	Clear	Spool
14-210-9H53	250	2	Clear	Spool
14-210-9H63	1000	2	Clear	Spool

COMPONENT SPEAKER WIRE (Cont.)

2-Conductor Parallel Zip Cord

Applications:

Two-conductor Parallel Zip Cord Wire for loudspeaker connection and other low voltage applications such as alarm, signal and telephone circuits. Automotive speaker wire, juke boxes, stereo speaker wire.



24 AWG, 2-Conductor

Specifications:

Conductor Gauge: 24 AWG
Conductor Material: Bare Copper
Stranding: 7/32
Insulation Nominal Thickness: .016"
Insulation/Rope Lay Material: PVC
Voltage Rating: 300 Volts
Temperature Rating: -20°C to 60°C
Nominal O.D.: .055" x .110"
Jacket Color: Clear
Additional: White Identification
Polarity Stripe

Retail Part No.	Length (Feet)	Packing
14-224-2B13	25	Spool
14-224-2B23	50	Spool
30-586	50	Hank
14-224-2B43	100	Spool
30-588	100	Hank
14-224-2B63	500	Spool
14-224-2B83	1000	Spool

22 AWG, 2-Conductor

Specifications:

Conductor Gauge: 22 AWG
Conductor Material: Bare Copper
Stranding: 7/30
Insulation Nominal Thickness: .020"
Insulation/Rope Lay Material: PVC
Voltage Rating: 300 Volts
Temperature Rating: -20°C to 60°C
Nominal O.D.: .070" x .140"
Jacket Color: Clear
Additional: White Identification
Polarity Stripe

Retail Part No.	Length (Feet)	Packing
14-222-2C13	25	Spool
14-222-2C23	50	Spool
14-222-2C43	100	Spool
14-222-2C63	500	Spool
14-222-2C83	1000	Spool

20 AWG, 2-Conductor

Specifications:

Conductor Gauge: 20 AWG
Conductor Material: Bare Copper
Stranding: 7/28
Insulation Nominal Thickness: .025"
Insulation/Rope Lay Material: PVC
Voltage Rating: 300 Volts
Temperature Rating: -20°C to 60°C
Nominal O.D.: .085" x .170"
Jacket Color: Clear
Additional: White Identification
Polarity Stripe

Retail Part No.	Length (Feet)	Packing
14-220-2D13	25	Spool
14-220-2D23	50	Spool
30-553	50	Hank
14-220-2D63	500	Spool
14-220-2D83	1000	Spool

18 AWG, 2-Conductor

Specifications:

Conductor Gauge: 18 AWG
Conductor Material: Bare Copper
Stranding: 16/30
Insulation Nominal Thickness: .025"
Insulation/Rope Lay Material: PVC
Voltage Rating: 300 Volts
Temperature Rating: -20°C to 60°C
Nominal O.D.: .100" x .200"
Jacket Color: Clear
Additional: White Identification
Polarity Stripe

Retail Part No.	Length (Feet)	Packing
14-218-2E13	25	Spool
14-218-2E23	50	Spool
30-584	50	Hank
14-218-2E43	100	Spool
30-554	100	Hank
14-218-2E53	250	Spool
14-218-2E63	500	Spool
14-218-2E83	1000	Spool

16 AWG, 2-Conductor

Specifications:

Conductor Gauge: 16 AWG
Conductor Material: Bare Copper
Stranding: 19/29
Insulation Nominal Thickness: .025"
Insulation/Rope Lay Material: PVC
Voltage Rating: 300 Volts
Temperature Rating: -20°C to 60°C
Nominal O.D.: .105" x .205"
Jacket Color: Clear
Additional: White Identification
Polarity Stripe

Retail Part No.	Length (Feet)	Packing
14-216-2F13	25	Spool
14-216-2F23	50	Spool
14-216-2F43	100	Spool
14-216-2F53	250	Spool
14-216-2F63	500	Spool
14-216-2F83	1000	Spool

14 AWG, 2-Conductor

Specifications:

Conductor Gauge: 14 AWG
Conductor Material: Bare Copper
Stranding: 19/27
Insulation Nominal Thickness: .025"
Insulation/Rope Lay Material: PVC
Voltage Rating: 300 Volts
Temperature Rating: -20°C to 60°C
Nominal O.D.: .120" x .240"
Jacket Color: Clear
Additional: White Identification
Polarity Stripe

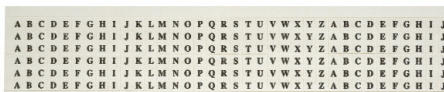
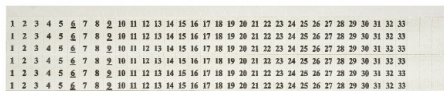
Retail Part No.	Length (Feet)	Packing
14-214-2Q23	50	Spool
14-214-2Q43	100	Spool
14-214-2Q63	500	Spool

WIRE ACCESSORIES

Wire & Cable Markers

Letters or numbers for identification of wiring and component location. Permanent, legible, foolproof. Made of durable, vinyl cloth markers with plastic coating. Adhesion to steel. Resistant to oil, water, abrasions. Service Temperature Rating: 40°F to 250°F. Precut to exact size. Self-adhesive backed.

Retail Part No.	Description
12-2210	Numbers 1-33
12-2211	Numbers 34-66
12-2212	Numbers 67-99
12-2213	Letters A-Z
12-9229	Kit: 3 Strips of 33, Numbers 1-99



Heat Gun

UL Listed, 115V AC

A dual range heat gun for use in heating shrink tube and drying coatings, adhesives, etc. Low temperature range setting produces a nominal 700°F (2,000 BTU's), high range 975°F (4,000 BTU's). Maximum setting draws 10 Amps, low heat draws 5 Amps. A light weight design that is easy to handle. Designed so that it may be put down to cool without a special holder.



Retail Part No.	Description
12-997	Dual range heat gun

Flexible Heat Shrink PVC Tubing

Three Thin Wall PVC assortments of black, clear and black and clear tubing in a variety of inside diameters. The shrink ratio on this tubing is 2 to 1, it is fungus resistant and non-corrosive. It is recommended for tightly sealing connectors, tool handles and weather proofing wire splices in insulated wire or cable. It may be shrunk with heat guns, oven, etc. Refills for these assortments listed under the assortment. This tubing meets UL requirements, ASTM D-922, MIL-1-631 Grade C and MIL-1-23053, Grade 5b.

Retail Part No.	Quantity in Assortment	Retail Part No.	Quantity in Refill	Description
12-1080	23			Assortment of Thin Wall HST, as below
	4	12-1040	35	1/16 DIA X 6", Black, Thin Wall HST
	3	12-1042	32	3/32 DIA X 6", Black, Thin Wall HST
	3	12-1044	30	1/8 DIA X 6", Black, Thin Wall HST
	3	12-1046	27	3/16 DIA X 6", Black, Thin Wall HST
	2	12-1048	23	1/4 DIA X 6", Black, Thin Wall HST
	2	12-1050	30	9/32 DIA X 6", Black, Thin Wall HST
	2	12-1052	19	3/8 DIA X 6", Black, Thin Wall HST
	2	12-1054	15	1/2 DIA X 6", Black, Thin Wall HST
	1	12-1056	15	3/4 DIA X 6", Black, Thin Wall HST
	1	12-1058	10	1 DIA X 6", Black Thin Wall HST

Retail Part No.	Quantity in Assortment	Retail Part No.	Quantity in Refill	Description
12-1082	21			Assortment of Thin Wall HST, as below
	5	12-1060	30	1/16 DIA X 6", Clear, Thin Wall HST
	4	12-1062	27	3/32 DIA X 6", Clear, Thin Wall HST
	3	12-1064	25	1/4 DIA X 6", Clear, Thin Wall HST
	4	12-1066	25	5/16 DIA X 6", Clear, Thin Wall HST
	2	12-1068	20	3/8 DIA X 6", Clear, Thin Wall HST
	2	12-1070	15	5/8 DIA X 6" Clear, Thin Wall HST
	1	12-1072	10	3/4 DIA X 6" Clear, Thin Wall HST



Heat Shrinkable Tubing Assortment

Shrinks to half its original size when heated. Use it for insulating terminals, connectors, tool handles and wire splices. Use heat gun, oven or barrel of soldering iron. Assorted sizes and colors. 6" lengths.

Retail Part No.	Quantity in Assortment	Refill Part No.	Quantity in Refill	Description
H3-462	7			Assortment of Thin Wall HST, as below
	1	12-1040	35	1/16 DIA X 6", Black, Thin Wall HST
	1	12-1052	19	3/8 DIA X 6", Black, Thin Wall HST
	1	12-1058	12	1 DIA X 6", Black, Thin Wall HST
	2	12-1062	27	1/8ID X 6", Clear, Thin Wall HST
	2	12-1064	25	1/4ID X 6", Clear, Thin Wall HST



WIRE MANAGEMENT



Fig. 1



Fig. 2

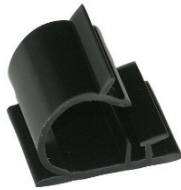


Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

Wire Management

Retail Part No.	Figure No.	Description	Length (Inches)	Width (Inches)	Holding Diameter (Inches)	Tensile Strength (Pounds)	Color
34-316-C	1	Nylon Cable Clip	1	3/8	3/8	N/A	Natural
34-378-C	2	Nylon Cable Clip	.42	3/8	1/4	N/A	Natural
34-380-C	3	Adhesive Mount Locking Clamp	1	1	3/8	12	Black
34-383-C	4	Adhesive Mount Locking Clamp	1	1	1 1/4	12	Black
34-384-C	5	Adjustable Adhesive Mount Clamps	1 1/2	3/4	1/2	12	Natural
34-394-C	6	Nylon Cable Clamps	1 1/8	1/2	1/2	N/A	Natural
34-396-C	7	Adhesive Mount Locking Clamp	1	1/2	5/8	12	Black
34-402-C	8	Nylon Cable Clamps	1 1/4	1/2	N/A	N/A	Natural
34-480-C	9	Flat Adhesive Backed Tie Mount	3/4	3/4	N/A	12	Natural
34-482-C	10	Flat Adhesive Backed Tie Mount	1	1		12	Natural

WIRE PROGRAMS

- Speaker Wire Program 49-901
- 19 Wire Part Numbers
- 2 Foot Program
- Spools of Speaker Wire



Display Rack Part No. 49-901

WIRE PROGRAMS (Cont.)

- Speaker Wire Program 49-901
- 19 Wire Part Numbers
- 2 Foot Program
- Spools of Speaker Wire

Program Contents:

Part No.	Quantity Per Program	Description
14-210-9H43	2	10 AWG/2 Conductor Power Flex Speaker, 100 Feet
14-210-9H63	1	10 AWG/2 Conductor Power Flex Speaker, 500 Feet
14-212-9H43	2	12 AWG/2 Conductor Power Flex Speaker, 100 Feet
14-212-9H63	1	12 AWG/2 Conductor Power Flex Speaker, 500 Feet
14-214-2Q23	6	14 AWG/2 Conductor Power Flex Speaker, 50 Feet
14-216-2F13	8	16 AWG/2 Conductor Power Flex Speaker, 25 Feet
14-216-2F23	4	16 AWG/2 Conductor Power Flex Speaker, 50 Feet
14-216-2F43	6	16 AWG/2 Conductor Power Flex Speaker, 100 Feet
14-216-2F63	1	16 AWG/2 Conductor Power Flex Speaker, 500 Feet
14-218-2E13	15	18 AWG/2 Conductor Power Flex Speaker, 25 Feet
14-218-2E23	4	18 AWG/2 Conductor Power Flex Speaker, 50 Feet
14-218-2E43	8	18 AWG/2 Conductor Power Flex Speaker, 100 Feet
14-218-2E53	2	18 AWG/2 Conductor Power Flex Speaker, 250 Feet
14-218-2E63	1	18 AWG/2 Conductor Power Flex Speaker, 500 Feet
14-218-2E83	1	18 AWG/2 Conductor Power Flex Speaker, 1000 Feet
14-220-2D13	10	20 AWG/2 Conductor Power Flex Speaker, 25 Feet
14-222-2C13	10	22 AWG/2 Conductor Power Flex Speaker, 25 Feet
14-224-2B13	10	24 AWG/2 Conductor Power Flex Speaker, 25 Feet
49-901-LA	1	Strip Set
75-3015-R	1	Display Rack
GC-PK-7500	1	Packing List
GC-HDR-7434	1	Header

WIRE PROGRAMS (Cont.)

- Large Solid Hook-up Wire Program 49-936
- 100 Wire Part Numbers
- 3 Foot Program
- Spools of Hook-up Wire



Display Rack Part No. 49-936

WIRE PROGRAMS (Cont.)

- Large Solid Hook-up Wire Program 49-936
 - 100 Wire Part Numbers
 - 3 Foot Program
 - Spools of Hook-up Wire
- Program Contents:

Part No.	Quantity Per Program	Description
14-418-1P10	6	18 AWG, 25', Gray
14-418-1P11	6	18 AWG, 25', Black
14-418-1P12	6	18 AWG, 25', Brown
14-418-1P13	6	18 AWG, 25', Orange
14-418-1P14	6	18 AWG, 25', Ivory
14-418-1P15	6	18 AWG, 25', Violet
14-418-1P16	6	18 AWG, 25', Red
14-418-1P17	6	18 AWG, 25', Green
14-418-1P18	6	18 AWG, 25', Yellow
14-418-1P19	6	18 AWG, 25', Light Blue
14-418-1P40	3	18 AWG, 100', Gray
14-418-1P41	3	18 AWG, 100', Black
14-418-1P42	3	18 AWG, 100', Brown
14-418-1P43	3	18 AWG, 100', Orange
14-418-1P44	3	18 AWG, 100', Ivory
14-418-1P45	3	18 AWG, 100', Violet
14-418-1P46	3	18 AWG, 100', Red
14-418-1P47	3	18 AWG, 100', Green
14-418-1P48	3	18 AWG, 100', Yellow
14-418-1P49	3	18 AWG, 100', Light Blue
14-420-1O10	6	20 AWG, 25', Gray
14-420-1O11	6	20 AWG, 25', Black
14-420-1O12	6	20 AWG, 25', Brown
14-420-1O13	6	20 AWG, 25', Orange
14-420-1O14	6	20 AWG, 25', Ivory
14-420-1O15	6	20 AWG, 25', Violet
14-420-1O16	6	20 AWG, 25', Red
14-420-1O17	6	20 AWG, 25', Green
14-420-1O18	6	20 AWG, 25', Yellow
14-420-1O19	6	20 AWG, 25', Light Blue
14-420-1O40	3	20 AWG, 100', Gray
14-420-1O41	3	20 AWG, 100', Black
14-420-1O42	3	20 AWG, 100', Brown
14-420-1O43	3	20 AWG, 100', Orange
14-420-1O44	3	20 AWG, 100', Ivory
14-420-1O45	3	20 AWG, 100', Violet
14-420-1O46	3	20 AWG, 100', Red
14-420-1O47	3	20 AWG, 100', Green
14-420-1O48	3	20 AWG, 100', Yellow
14-420-1O49	3	20 AWG, 100', Light Blue
14-422-1M10	6	22 AWG, 25', Gray
14-422-1M11	6	22 AWG, 25', Black
14-422-1M12	6	22 AWG, 25', Brown
14-422-1M13	6	22 AWG, 25', Orange
14-422-1M14	6	22 AWG, 25', Ivory
14-422-1M15	6	22 AWG, 25', Violet
14-422-1M16	6	22 AWG, 25', Red
14-422-1M17	6	22 AWG, 25', Green
14-422-1M18	6	22 AWG, 25', Yellow
14-422-1M19	6	22 AWG, 25', Light Blue
14-422-1M40	3	22 AWG, 100', Gray
14-422-1M41	3	22 AWG, 100', Black
14-422-1M42	3	22 AWG, 100', Brown
14-422-1M43	3	22 AWG, 100', Orange
14-422-1M44	3	22 AWG, 100', Ivory
14-422-1M45	3	22 AWG, 100', Violet
14-422-1M46	3	22 AWG, 100', Red
14-422-1M47	3	22 AWG, 100', Green
14-422-1M48	3	22 AWG, 100', Yellow
14-422-1M49	3	22 AWG, 100', Light Blue

Part No.	Quantity Per Program	Description
14-424-1L10	6	24 AWG, 25', Gray
14-424-1L11	6	24 AWG, 25', Black
14-424-1L12	6	24 AWG, 25', Brown
14-424-1L13	6	24 AWG, 25', Orange
14-424-1L14	6	24 AWG, 25', Ivory
14-424-1L15	6	24 AWG, 25', Violet
14-424-1L16	6	24 AWG, 25', Red
14-424-1L17	6	24 AWG, 25', Green
14-424-1L18	6	24 AWG, 25', Yellow
14-424-1L19	6	24 AWG, 25', Light Blue
14-424-1L40	3	24 AWG, 100', Gray
14-424-1L41	3	24 AWG, 100', Black
14-424-1L42	3	24 AWG, 100', Brown
14-424-1L43	3	24 AWG, 100', Orange
14-424-1L44	3	24 AWG, 100', Ivory
14-424-1L45	3	24 AWG, 100', Violet
14-424-1L46	3	24 AWG, 100', Red
14-424-1L47	3	24 AWG, 100', Green
14-424-1L48	3	24 AWG, 100', Yellow
14-424-1L49	3	24 AWG, 100', Light Blue
14-426-1K10	6	26 AWG, 25', Gray
14-426-1K11	6	26 AWG, 25', Black
14-426-1K12	6	26 AWG, 25', Brown
14-426-1K13	6	26 AWG, 25', Orange
14-426-1K14	6	26 AWG, 25', Ivory
14-426-1K15	6	26 AWG, 25', Violet
14-426-1K16	6	26 AWG, 25', Red
14-426-1K17	6	26 AWG, 25', Green
14-426-1K18	6	26 AWG, 25', Yellow
14-426-1K19	6	26 AWG, 25', Light Blue
14-426-1K40	3	26 AWG, 100', Gray
14-426-1K41	3	26 AWG, 100', Black
14-426-1K42	3	26 AWG, 100', Brown
14-426-1K43	3	26 AWG, 100', Orange
14-426-1K44	3	26 AWG, 100', Ivory
14-426-1K45	3	26 AWG, 100', Violet
14-426-1K46	3	26 AWG, 100', Red
14-426-1K47	3	26 AWG, 100', Green
14-426-1K48	3	26 AWG, 100', Yellow
14-426-1K49	3	26 AWG, 100', Light Blue
49-936-LA	1	Label Set
75-3018R	1	Display Rack
GC-IN-6286	1	Instruction Sheet
GC-PK-6284	1	Packing List

WIRE PROGRAMS (Cont.)

- Large Stranded Hook-up Wire Program 49-937
- 100 Wire Part Numbers
- 3 Foot Program
- Spools of Hook-up Wire



Display Rack Part No. 49-937

WIRE PROGRAMS (Cont.)

- Large Stranded Hook-up Wire Program 49-937
 - 100 Wire Part Numbers
 - 3 Foot Program
 - Spools of Hook-up Wire
- Program Contents:

Part No.	Quantity Per Program	Description
14-418-1E10	6	18 AWG, 25', Gray
14-418-1E11	6	18 AWG, 25', Black
14-418-1E12	6	18 AWG, 25', Brown
14-418-1E13	6	18 AWG, 25', Orange
14-418-1E14	6	18 AWG, 25', Ivory
14-418-1E15	6	18 AWG, 25', Violet
14-418-1E16	6	18 AWG, 25', Red
14-418-1E17	6	18 AWG, 25', Green
14-418-1E18	6	18 AWG, 25', Yellow
14-418-1E19	6	18 AWG, 25', Light Blue
14-418-1E40	3	18 AWG, 100', Gray
14-418-1E41	3	18 AWG, 100', Black
14-418-1E42	3	18 AWG, 100', Brown
14-418-1E43	3	18 AWG, 100', Orange
14-418-1E44	3	18 AWG, 100', Ivory
14-418-1E45	3	18 AWG, 100', Violet
14-418-1E46	3	18 AWG, 100', Red
14-418-1E47	3	18 AWG, 100', Green
14-418-1E48	3	18 AWG, 100', Yellow
14-418-1E49	3	18 AWG, 100', Light Blue
14-420-1D10	6	20 AWG, 25', Gray
14-420-1D11	6	20 AWG, 25', Black
14-420-1D12	6	20 AWG, 25', Brown
14-420-1D13	6	20 AWG, 25', Orange
14-420-1D14	6	20 AWG, 25', Ivory
14-420-1D15	6	20 AWG, 25', Violet
14-420-1D16	6	20 AWG, 25', Red
14-420-1D17	6	20 AWG, 25', Green
14-420-1D18	6	20 AWG, 25', Yellow
14-420-1D19	6	20 AWG, 25', Light Blue
14-420-1D40	3	20 AWG, 100', Gray
14-420-1D41	3	20 AWG, 100', Black
14-420-1D42	3	20 AWG, 100', Brown
14-420-1D43	3	20 AWG, 100', Orange
14-420-1D44	3	20 AWG, 100', Ivory
14-420-1D45	3	20 AWG, 100', Violet
14-420-1D46	3	20 AWG, 100', Red
14-420-1D47	3	20 AWG, 100', Green
14-420-1D48	3	20 AWG, 100', Yellow
14-420-1D49	3	20 AWG, 100', Light Blue
14-422-1C10	6	22 AWG, 25', Gray
14-422-1C11	6	22 AWG, 25', Black
14-422-1C12	6	22 AWG, 25', Brown
14-422-1C13	6	22 AWG, 25', Orange
14-422-1C14	6	22 AWG, 25', Ivory
14-422-1C15	6	22 AWG, 25', Violet
14-422-1C16	6	22 AWG, 25', Red
14-422-1C17	6	22 AWG, 25', Green
14-422-1C18	6	22 AWG, 25', Yellow
14-422-1C19	6	22 AWG, 25', Light Blue
14-422-1C40	3	22 AWG, 100', Gray
14-422-1C41	3	22 AWG, 100', Black
14-422-1C42	3	22 AWG, 100', Brown
14-422-1C43	3	22 AWG, 100', Orange
14-422-1C44	3	22 AWG, 100', Ivory
14-422-1C45	3	22 AWG, 100', Violet
14-422-1C46	3	22 AWG, 100', Red
14-422-1C47	3	22 AWG, 100', Green
14-422-1C48	3	22 AWG, 100', Yellow
14-422-1C49	3	22 AWG, 100', Light Blue

Part No.	Quantity Per Program	Description
14-424-1B10	6	24 AWG, 25', Gray
14-424-1B11	6	24 AWG, 25', Black
14-424-1B12	6	24 AWG, 25', Brown
14-424-1B13	6	24 AWG, 25', Orange
14-424-1B14	6	24 AWG, 25', Ivory
14-424-1B15	6	24 AWG, 25', Violet
14-424-1B16	6	24 AWG, 25', Red
14-424-1B17	6	24 AWG, 25', Green
14-424-1B18	6	24 AWG, 25', Yellow
14-424-1B19	6	24 AWG, 25', Light Blue
14-424-1B40	3	24 AWG, 100', Gray
14-424-1B41	3	24 AWG, 100', Black
14-424-1B42	3	24 AWG, 100', Brown
14-424-1B43	3	24 AWG, 100', Orange
14-424-1B44	3	24 AWG, 100', Ivory
14-424-1B45	3	24 AWG, 100', Violet
14-424-1B46	3	24 AWG, 100', Red
14-424-1B47	3	24 AWG, 100', Green
14-424-1B48	3	24 AWG, 100', Yellow
14-424-1B49	3	24 AWG, 100', Light Blue
14-426-1H10	6	26 AWG, 25', Gray
14-426-1H11	6	26 AWG, 25', Black
14-426-1H12	6	26 AWG, 25', Brown
14-426-1H13	6	26 AWG, 25', Orange
14-426-1H14	6	26 AWG, 25', Ivory
14-426-1H15	6	26 AWG, 25', Violet
14-426-1H16	6	26 AWG, 25', Red
14-426-1H17	6	26 AWG, 25', Green
14-426-1H18	6	26 AWG, 25', Yellow
14-426-1H19	6	26 AWG, 25', Light Blue
14-426-1H40	3	26 AWG, 100', Gray
14-426-1H41	3	26 AWG, 100', Black
14-426-1H42	3	26 AWG, 100', Brown
14-426-1H43	3	26 AWG, 100', Orange
14-426-1H44	3	26 AWG, 100', Ivory
14-426-1H45	3	26 AWG, 100', Violet
14-426-1H46	3	26 AWG, 100', Red
14-426-1H47	3	26 AWG, 100', Green
14-426-1H48	3	26 AWG, 100', Yellow
14-426-1H49	3	26 AWG, 100', Light Blue
49-937-LA	1	Label Set
75-3018R	1	Display Rack
GC-IN-6286	1	Instruction Sheet
GC-PK-6285	1	Packing List

WIRE PROGRAMS (Cont.)

- Large Hook-up Wire Program 49-967
- 100 Wire Part Numbers
- 3 Foot Program
- Spools of Hook-up Wire



Display Rack Part No. 49-967

WIRE PROGRAMS (Cont.)

- Large Hook-up Wire Program 49-967
 - 100 Wire Part Numbers
 - 3 Foot Program
 - Spools of Hook-up Wire
- Program Contents:

Part No.	Quantity Per Program	Description
14-418-1E11	6	18 AWG, Stranded, 25', Black
14-418-1E14	6	18 AWG, Stranded, 25', Ivory
14-418-1E16	6	18 AWG, Stranded, 25', Red
14-418-1E17	6	18 AWG, Stranded, 25', Green
14-418-1E19	6	18 AWG, Stranded, 25', Light Blue
14-418-1E41	3	18 AWG, Stranded, 100', Black
14-418-1E44	3	18 AWG, Stranded, 100', Ivory
14-418-1E46	3	18 AWG, Stranded, 100', Red
14-418-1E47	3	18 AWG, Stranded, 100', Green
14-418-1E49	3	18 AWG, Stranded, 100', Light Blue
14-418-1P11	6	18 AWG, Solid, 25', Black
14-418-1P14	6	18 AWG, Solid, 25', Ivory
14-418-1P16	6	18 AWG, Solid, 25', Red
14-418-1P17	6	18 AWG, Solid, 25', Green
14-418-1P19	6	18 AWG, Solid, 25', Light Blue
14-418-1P41	3	18 AWG, Solid, 100', Black
14-418-1P44	3	18 AWG, Solid, 100', Ivory
14-418-1P46	3	18 AWG, Solid, 100', Red
14-418-1P47	3	18 AWG, Solid, 100', Green
14-418-1P49	3	18 AWG, Solid, 100', Light Blue
14-420-1D11	6	20 AWG, Stranded, 25', Black
14-420-1D14	6	20 AWG, Stranded, 25', Ivory
14-420-1D16	6	20 AWG, Stranded, 25', Red
14-420-1D17	6	20 AWG, Stranded, 25', Green
14-420-1D19	6	20 AWG, Stranded, 25', Light Blue
14-420-1D41	3	20 AWG, Stranded, 100', Black
14-420-1D44	3	20 AWG, Stranded, 100', Ivory
14-420-1D46	3	20 AWG, Stranded, 100', Red
14-420-1D47	3	20 AWG, Stranded, 100', Green
14-420-1D49	3	20 AWG, Stranded, 100', Light Blue
14-420-1O11	6	20 AWG, Solid, 25', Black
14-420-1O14	6	20 AWG, Solid, 25', Ivory
14-420-1O16	6	20 AWG, Solid, 25', Red
14-420-1O17	6	20 AWG, Solid, 25', Green
14-420-1O19	6	20 AWG, Solid, 25', Light Blue
14-420-1O41	3	20 AWG, Solid, 100', Black
14-420-1O44	3	20 AWG, Solid, 100', Ivory
14-420-1O46	3	20 AWG, Solid, 100', Red
14-420-1O47	3	20 AWG, Solid, 100', Green
14-420-1O49	3	20 AWG, Solid, 100', Light Blue
14-422-1C11	6	22 AWG, Stranded, 25', Black
14-422-1C14	6	22 AWG, Stranded, 25', Ivory
14-422-1C16	6	22 AWG, Stranded, 25', Red
14-422-1C17	6	22 AWG, Stranded, 25', Green
14-422-1C19	6	22 AWG, Stranded, 25', Light Blue
14-422-1C41	3	22 AWG, Stranded, 100', Black
14-422-1C44	3	22 AWG, Stranded, 100', Ivory
14-422-1C46	3	22 AWG, Stranded, 100', Red
14-422-1C47	3	22 AWG, Stranded, 100', Green
14-422-1C49	3	22 AWG, Stranded, 100', Light Blue
14-422-1M11	6	22 AWG, Solid, 25', Black
14-422-1M14	6	22 AWG, Solid, 25', Ivory
14-422-1M16	6	22 AWG, Solid, 25', Red
14-422-1M17	6	22 AWG, Solid, 25', Green
14-422-1M19	6	22 AWG, Solid, 25', Light Blue
14-422-1M41	3	22 AWG, Solid, 100', Black
14-422-1M44	3	22 AWG, Solid, 100', Ivory
14-422-1M46	3	22 AWG, Solid, 100', Red
14-422-1M47	3	22 AWG, Solid, 100', Green
14-422-1M49	3	22 AWG, Solid, 100', Light Blue

Part No.	Quantity Per Program	Description
14-424-1B11	6	24 AWG, Stranded, 25', Black
14-424-1B14	6	24 AWG, Stranded, 25', Ivory
14-424-1B16	6	24 AWG, Stranded, 25', Red
14-424-1B17	6	24 AWG, Stranded, 25', Green
14-424-1B19	6	24 AWG, Stranded, 25', Light Blue
14-424-1B41	3	24 AWG, Stranded, 100', Black
14-424-1B44	3	24 AWG, Stranded, 100', Ivory
14-424-1B46	3	24 AWG, Stranded, 100', Red
14-424-1B47	3	24 AWG, Stranded, 100', Green
14-424-1B49	3	24 AWG, Stranded, 100', Light Blue
14-424-1L11	6	24 AWG, Solid, 25', Black
14-424-1L14	6	24 AWG, Solid, 25', Ivory
14-424-1L16	6	24 AWG, Solid, 25', Red
14-424-1L17	6	24 AWG, Solid, 25', Green
14-424-1L19	6	24 AWG, Solid, 25', Light Blue
14-424-1L41	3	24 AWG, Solid, 100', Black
14-424-1L44	3	24 AWG, Solid, 100', Ivory
14-424-1L46	3	24 AWG, Solid, 100', Red
14-424-1L47	3	24 AWG, Solid, 100', Green
14-424-1L49	3	24 AWG, Solid, 100', Light Blue
14-426-1H11	6	26 AWG, Stranded, 25', Black
14-426-1H14	6	26 AWG, Stranded, 25', Ivory
14-426-1H16	6	26 AWG, Stranded, 25', Red
14-426-1H17	6	26 AWG, Stranded, 25', Green
14-426-1H19	6	26 AWG, Stranded, 25', Light Blue
14-426-1H41	3	26 AWG, Stranded, 100', Black
14-426-1H44	3	26 AWG, Stranded, 100', Ivory
14-426-1H46	3	26 AWG, Stranded, 100', Red
14-426-1H47	3	26 AWG, Stranded, 100', Green
14-426-1H49	3	26 AWG, Stranded, 100', Light Blue
14-426-1K11	6	26 AWG, Solid, 25', Black
14-426-1K14	6	26 AWG, Solid, 25', Ivory
14-426-1K16	6	26 AWG, Solid, 25', Red
14-426-1K17	6	26 AWG, Solid, 25', Green
14-426-1K19	6	26 AWG, Solid, 25', Light Blue
14-426-1K41	3	26 AWG, Solid, 100', Black
14-426-1K44	3	26 AWG, Solid, 100', Ivory
14-426-1K46	3	26 AWG, Solid, 100', Red
14-426-1K47	3	26 AWG, Solid, 100', Green
14-426-1K49	3	26 AWG, Solid, 100', Light Blue
49-967-LA	1	Label Set
75-3018R	1	Display Rack
GC-IN-6286	1	Instruction Sheet
GC-PK-6958	1	Packing List

WIRE PROGRAMS (Cont.)

- Countertop Stranded Hook-up Wire Program 49-946
- 28 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire



Display Rack Part No. 49-946

WIRE PROGRAMS (Cont.)

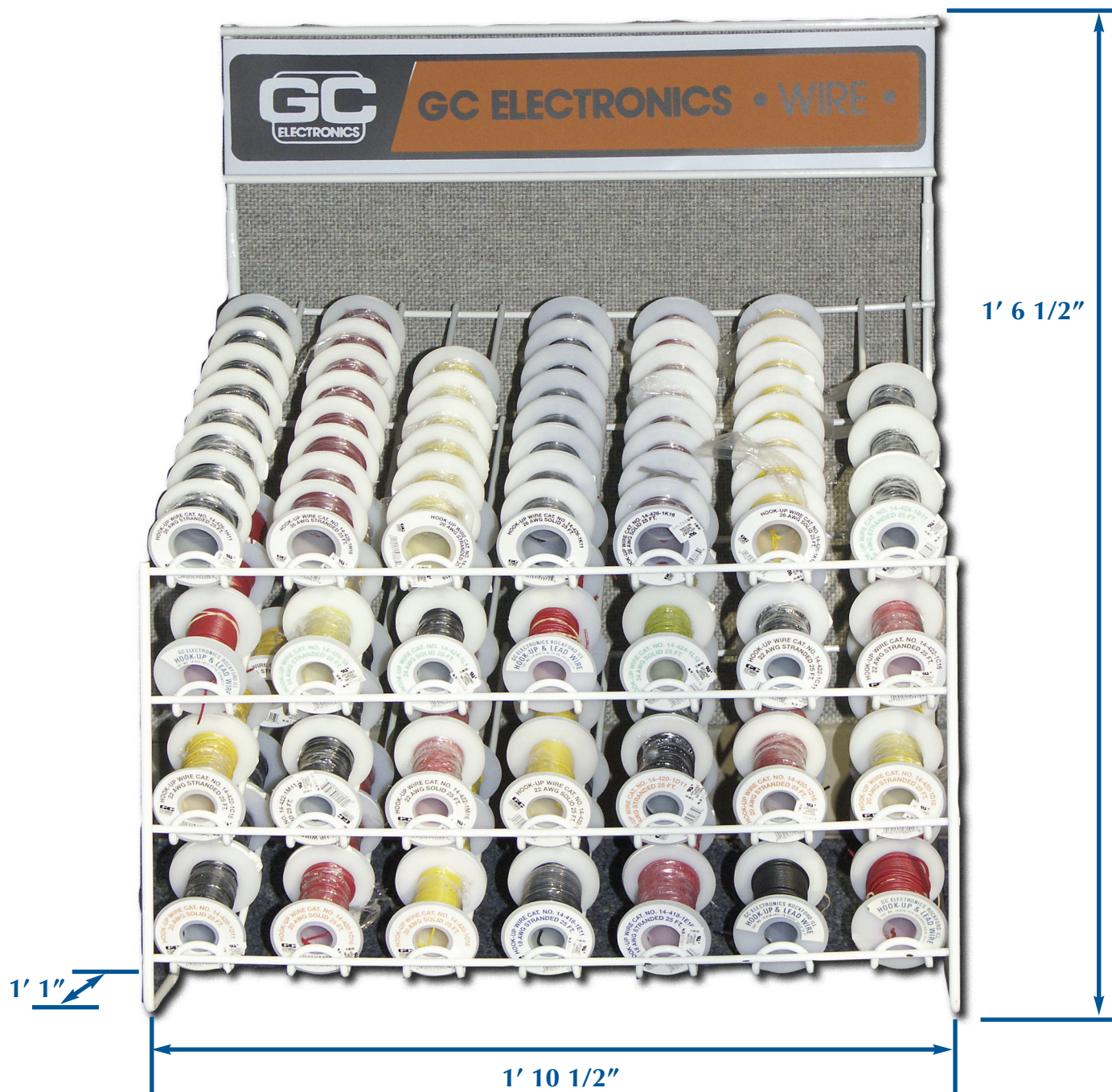
- Countertop Stranded Hook-up Wire Program 49-946
- 28 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire

Program Contents:

Part No.	Quantity Per Program	Description
14-426-1H11	8	26 AWG, Stranded, 25', Black
14-426-1H14	8	26 AWG, Stranded, 25', White
14-426-1H16	8	26 AWG, Stranded, 25', Red
14-426-1H17	8	26 AWG, Stranded, 25', Green
14-426-1H18	8	26 AWG, Stranded, 25', Yellow
14-426-1H19	8	26 AWG, Stranded, 25', Blue
14-424-1B11	3	24 AWG, Stranded, 25', Black
14-424-1B14	3	24 AWG, Stranded, 25', White
14-424-1B16	3	24 AWG, Stranded, 25', Red
14-424-1B17	3	24 AWG, Stranded, 25', Green
14-424-1B18	3	24 AWG, Stranded, 25', Yellow
14-424-1B19	3	24 AWG, Stranded, 25', Blue
14-422-1C11	3	22 AWG, Stranded, 25', Black
14-422-1C14	3	22 AWG, Stranded, 25', White
14-422-1C16	3	22 AWG, Stranded, 25', Red
14-422-1C17	3	22 AWG, Stranded, 25', Green
14-422-1C18	3	22 AWG, Stranded, 25', Yellow
14-422-1C19	3	22 AWG, Stranded, 25', Blue
14-420-1D11	3	20 AWG, Stranded, 25', Black
14-420-1D14	3	20 AWG, Stranded, 25', White
14-420-1D16	3	20 AWG, Stranded, 25', Red
14-420-1D17	3	20 AWG, Stranded, 25', Green
14-420-1D18	3	20 AWG, Stranded, 25', Yellow
14-420-1D19	3	20 AWG, Stranded, 25', Blue
14-418-1E11	3	18 AWG, Stranded, 25', Black
14-418-1E16	3	18 AWG, Stranded, 25', Red
14-418-1E17	3	18 AWG, Stranded, 25', Green
14-418-1E18	3	18 AWG, Stranded, 25', Yellow
49-946-LA	1	Label Set
75-3020-R	1	Display Rack
GC-PK-1968	1	Packing List

WIRE PROGRAMS (Cont.)

- Countertop Solid Hook-up Wire Program 49-947
- 28 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire



Display Rack Part No. 49-947

WIRE PROGRAMS (Cont.)

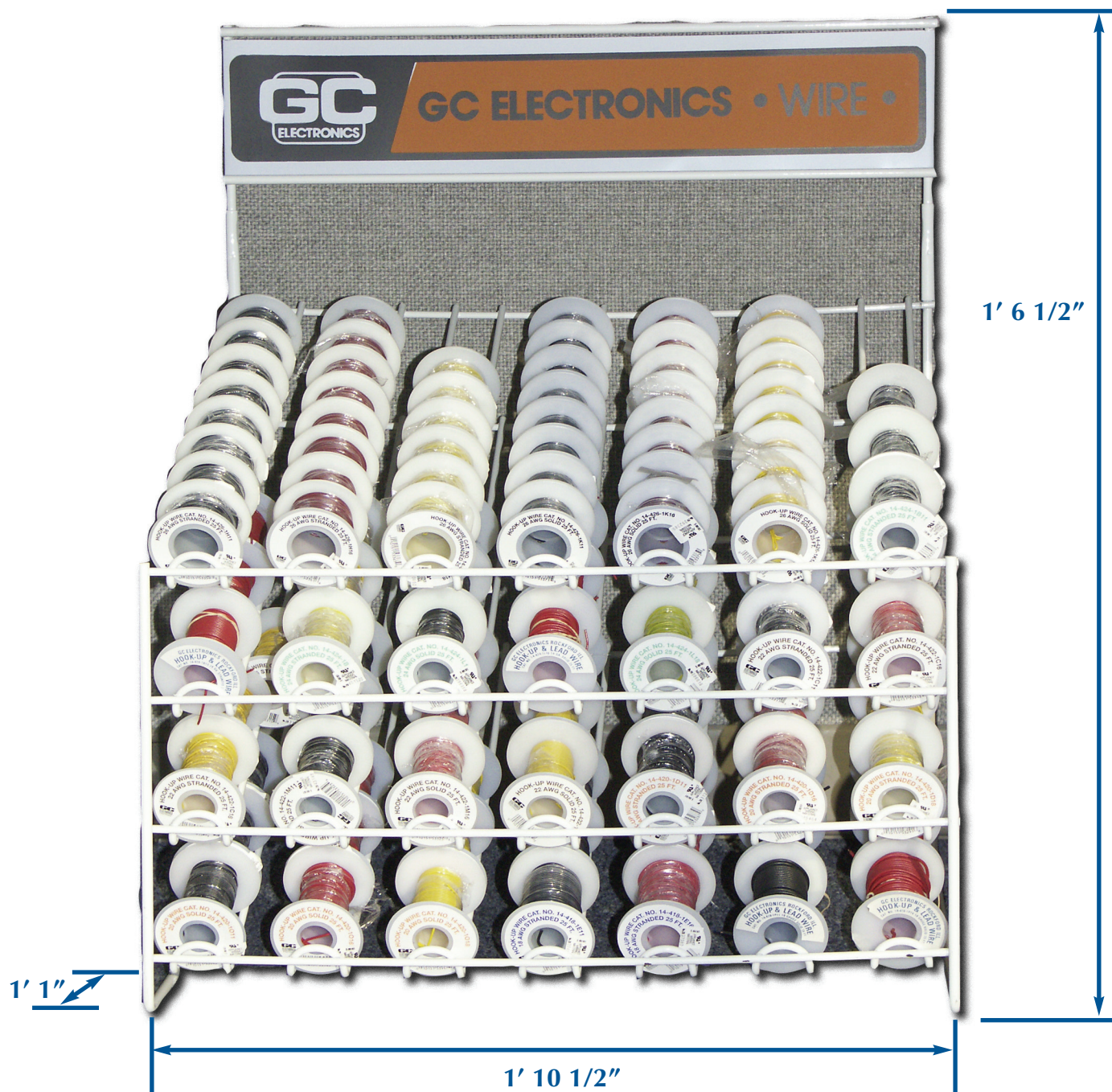
- Countertop Solid Hook-up Wire Program 49-947
- 28 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire

Program Contents:

Part No.	Quantity Per Program	Description
14-426-1K11	8	26 AWG, Solid, 25', Black
14-426-1K14	8	26 AWG, Solid, 25', White
14-426-1K16	8	26 AWG, Solid, 25', Red
14-426-1K17	8	26 AWG, Solid, 25', Green
14-426-1K18	8	26 AWG, Solid, 25', Yellow
14-426-1K19	8	26 AWG, Solid, 25', Blue
14-424-1L11	3	24 AWG, Solid, 25', Black
14-424-1L14	3	24 AWG, Solid, 25', White
14-424-1L16	3	24 AWG, Solid, 25', Red
14-424-1L17	3	24 AWG, Solid, 25', Green
14-424-1L18	3	24 AWG, Solid, 25', Yellow
14-424-1L19	3	24 AWG, Solid, 25', Blue
14-422-1M11	3	22 AWG, Solid, 25', Black
14-422-1M14	3	22 AWG, Solid, 25', White
14-422-1M16	3	22 AWG, Solid, 25', Red
14-422-1M17	3	22 AWG, Solid, 25', Green
14-422-1M18	3	22 AWG, Solid, 25', Yellow
14-422-1M19	3	22 AWG, Solid, 25', Blue
14-420-1O11	3	20 AWG, Solid, 25', Black
14-420-1O14	3	20 AWG, Solid, 25', White
14-420-1O16	3	20 AWG, Solid, 25', Red
14-420-1O17	3	20 AWG, Solid, 25', Green
14-420-1O18	3	20 AWG, Solid, 25', Yellow
14-420-1O19	3	20 AWG, Solid, 25', Blue
14-418-1P11	3	18 AWG, Solid, 25', Black
14-418-1P16	3	18 AWG, Solid, 25', Red
14-418-1P17	3	18 AWG, Solid, 25', Green
14-418-1P18	3	18 AWG, Solid, 25', Yellow
49-947-LA	1	Label Set
75-3020-R	1	Display Rack
GC-PK-1969	1	Packing List

WIRE PROGRAMS (Cont.)

- Countertop Solid and Stranded Hook-up Wire Program 49-948
- 28 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire



Display Rack Part No. 49-948

WIRE PROGRAMS (Cont.)

- Countertop Solid and Stranded Hook-up Wire Program 49-948
- 28 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire

Program Contents:

Part No.	Quantity Per Program	Description
14-426-1H11	8	26 AWG, Stranded, 25', Black
14-426-1H16	8	26 AWG, Stranded, 25', Red
14-426-1H18	8	26 AWG, Stranded, 25', Yellow
14-426-1K11	8	26 AWG, Solid, 25', Black
14-426-1K16	8	26 AWG, Solid, 25', Red
14-426-1K18	8	26 AWG, Solid, 25', Yellow
14-424-1B11	3	24 AWG, Stranded, 25', Black
14-424-1B16	3	24 AWG, Stranded, 25', Red
14-424-1B18	3	24 AWG, Stranded, 25', Yellow
14-424-1L11	3	24 AWG, Solid, 25', Black
14-424-1L16	3	24 AWG, Solid, 25', Red
14-424-1L18	3	24 AWG, Solid, 25', Yellow
14-422-1C11	3	22 AWG, Stranded, 25', Black
14-422-1C16	3	22 AWG, Stranded, 25', Red
14-422-1C18	3	22 AWG, Stranded, 25', Yellow
14-422-1M11	3	22 AWG, Solid, 25', Black
14-422-1M16	3	22 AWG, Solid, 25', Red
14-422-1M18	3	22 AWG, Solid, 25', Yellow
14-420-1D11	3	20 AWG, Stranded, 25', Black
14-420-1D16	3	20 AWG, Stranded, 25', Red
14-420-1D18	3	20 AWG, Stranded, 25', Yellow
14-420-1O11	3	20 AWG, Solid, 25', Black
14-420-1O16	3	20 AWG, Solid, 25', Red
14-420-1O18	3	20 AWG, Solid, 25', Yellow
14-418-1E11	3	18 AWG, Stranded, 25', Black
14-418-1E16	3	18 AWG, Stranded, 25', Red
14-418-1P11	3	18 AWG, Solid, 25', Black
14-418-1P16	3	18 AWG, Solid, 25', Red
49-948-LA	1	Label Set
75-3020-R	1	Display Rack
GC-PK-1970	1	Packing List

WIRE PROGRAMS (Cont.)

- Countertop Solid and Stranded Hook-up Wire Program 49-949
- 24 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire



Display Rack Part No. 49-949

WIRE PROGRAMS (Cont.)

- Countertop Solid and Stranded Hook-up Wire Program 49-949
- 24 Wire Part Numbers
- 2 Foot Program
- Spools of Hook-up Wire

Program Contents:

Part No.	Quantity Per Program	Description
14-418-1E11	6	18 AWG, Stranded, 25', Black
14-418-1E12	6	18 AWG, Stranded, 25', Brown
14-418-1E14	6	18 AWG, Stranded, 25', Ivory
14-418-1E16	6	18 AWG, Stranded, 25', Red
14-418-1E17	6	18 AWG, Stranded, 25', Green
14-418-1E18	6	18 AWG, Stranded, 25', Yellow
14-418-1P11	6	18 AWG, Solid, 25', Black
14-418-1P12	6	18 AWG, Solid, 25', Brown
14-418-1P14	6	18 AWG, Solid, 25', Ivory
14-418-1P16	6	18 AWG, Solid, 25', Red
14-418-1P17	6	18 AWG, Solid, 25', Green
14-418-1P18	6	18 AWG, Solid, 25', Yellow
14-424-1B11	6	24 AWG, Stranded, 25', Black
14-424-1B12	6	24 AWG, Stranded, 25', Brown
14-424-1B14	6	24 AWG, Stranded, 25', Ivory
14-424-1B16	6	24 AWG, Stranded, 25', Red
14-424-1B17	6	24 AWG, Stranded, 25', Green
14-424-1B18	6	24 AWG, Stranded, 25', Yellow
14-424-1L11	6	24 AWG, Solid, 25', Black
14-424-1L12	6	24 AWG, Solid, 25', Brown
14-424-1L14	6	24 AWG, Solid, 25', Ivory
14-424-1L16	6	24 AWG, Solid, 25', Red
14-424-1L17	6	24 AWG, Solid, 25', Green
14-424-1L18	6	24 AWG, Solid, 25', Yellow
75-3020-R	1	Display Rack
GC-PKRM-6650	1	Packing List

NOTES