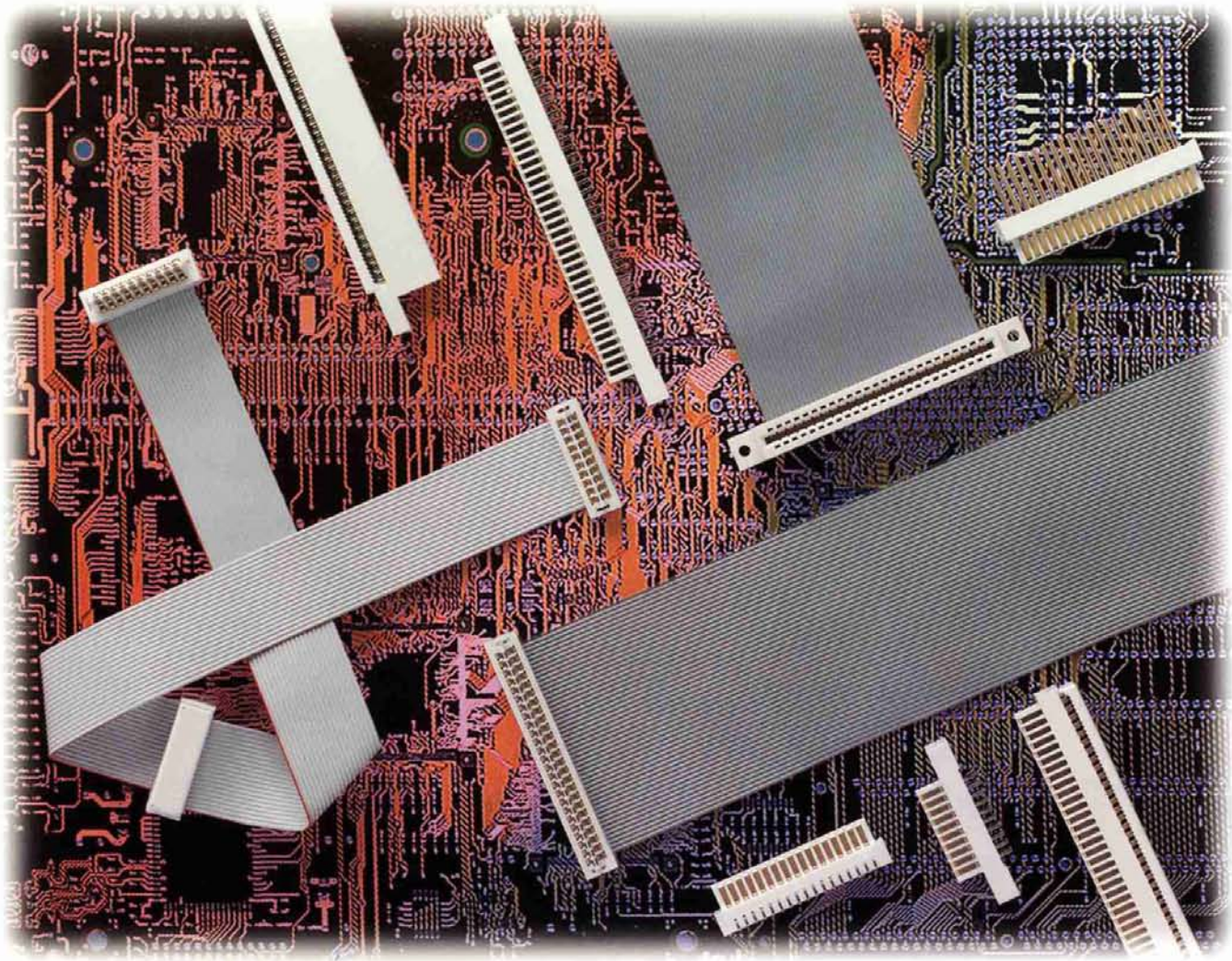


WPI Viking Pluggem Connectors

*Versatile
male cardedge
connectors*



- ▶ *Unique male-female in-line capability*
- ▶ *Cable-to-cable interface*
- ▶ *Cable-to-printed circuit board interface*
- ▶ *PCB Vertical or right-angle-mounts*
- ▶ *Gold-plated, copper-alloy contacts*





Pluggem and Cardedge Connector System

The Viking Pluggem is a male cardedge connector which, when used in conjunction with a Viking or similar female cardedge, provides a two-piece .100" spacing interconnect system which offers unique advantages of rugged performance and application flexibility.

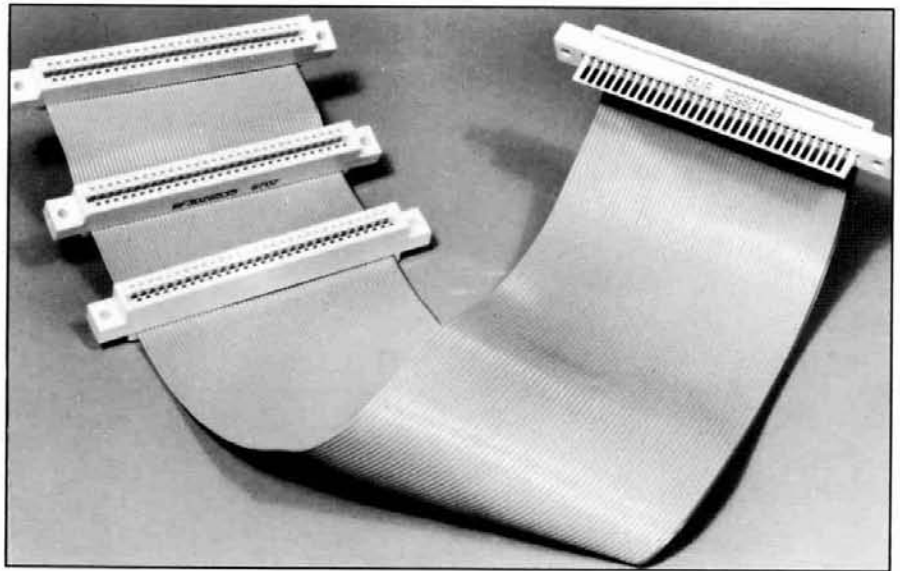
The Pluggem mating side consists of a dual row of rugged copper-alloy contact fingers, gold plated and configured to duplicate the fingers on the printed circuit card. The Pluggem mates with a standard cardedge connector. Viking Pluggems and mating cardedge connectors are available in dip-solder (vertical or horizontal), wrap or IDC termination versions.

Durable, Reliable Connection

The tightly controlled and plated Pluggem fingers provide a far more reliable connection interface than a board edge. Problems with board warping and poorly applied plating are eliminated. The solid plastic nose and rugged contacts on the Pluggem are stronger, easier to

locate and insert, and far more suitable for repeated cycles than pin and socket type connectors. The Pluggem also offers far more wipe than the typical pin and socket two-piece connector.

These Pluggem/Cardedge interconnect system features are particularly desirable in blind mating or repeated mating applications.



PC Card Slot Access

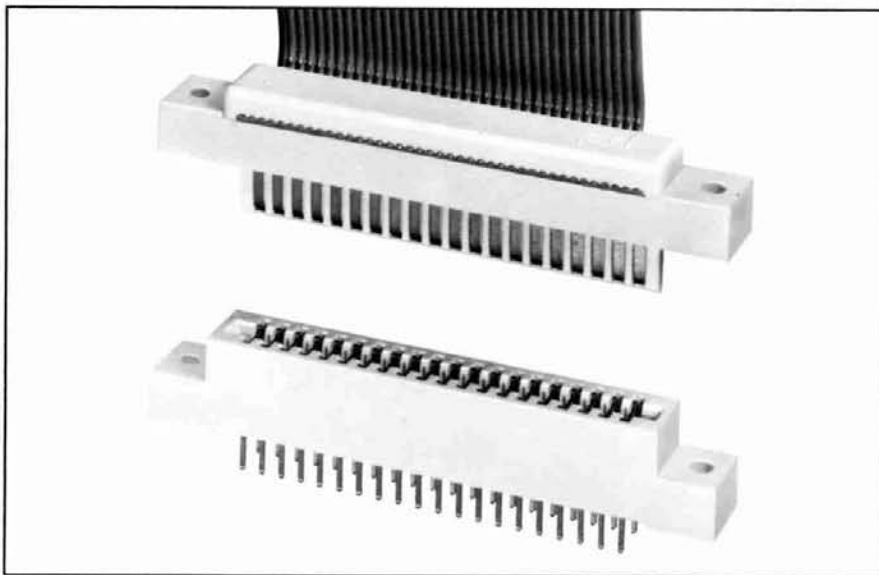
The IDC ribbon cable Pluggem is ideally suited for accessing expansion card slots for add-on or related modifications. Ribbon cable Pluggems are specifically available in 31/62 contact sizes to match popular bus configurations.

In similar applications, ribbon cable Pluggems can be used to introduce external drivers or similar accessories to a PC. Contact Viking for application details.

Cardedge Connectors

Viking cardedge connectors feature pre-loaded, semi-bellows contacts and are available in sizes through 65 dual contact positions and in a wide variety of terminations.

The RF line of IDC ribbon cable cardedge connectors can be used in normal IDC cardedge applications, or as a mating connector with the ribbon cable Pluggem.





PR Pluggem Male Cardedge Connector

The PR Series right angle plug connector mates with the JNK and RF Series receptacles.

A slot may be provided in the Pluggem to accommodate a polarizing key. Contact Viking for details.

MATERIALS:

Housing: White, glass-filled polyester, SEO. UL 94-VO

Contact: Phosphor bronze

Plating: .000020" selective gold over nickle contact, tin tails

SPECIFICATIONS:

Maximum Operating Temperature: 105° C

Dielectric Withstanding: 2000 V

Current Rating: 3 A

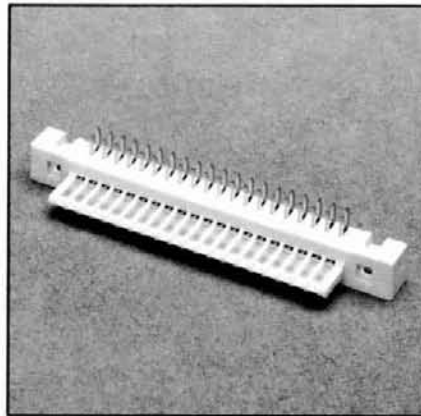
Operating Voltage: 600 VDC

Insulation Resistance: 10¹¹ ohms

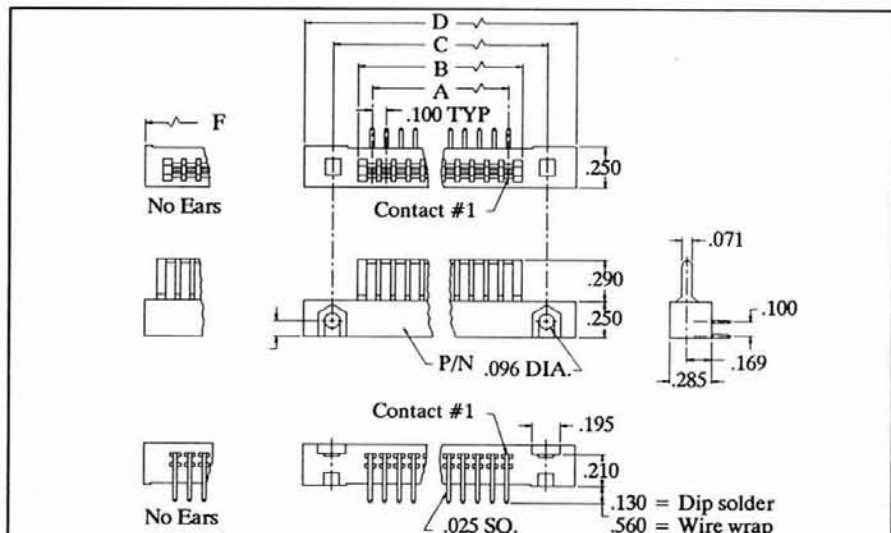
APPROVAL:



UL recognized under File No. E84586



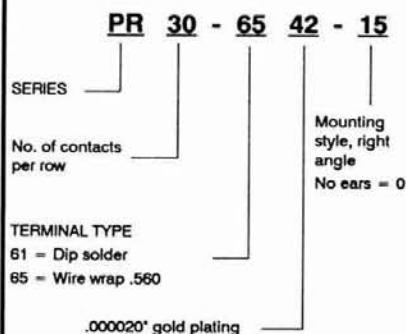
- .100" SPACING
- 10 TO 50 CONTACTS
- DIP SOLDER/WIRE WRAP TERMINALS
- RUGGED TWO-PIECE CONNECTOR SYSTEM



PART NUMBER	DIMENSIONS				
	A	B	C	D	F*
PR10-XX42-X	.90	1.09	1.36	1.76	1.26
PR13-XX42-X	1.20	1.39	1.66	2.06	1.56
PR15-XX42-X	1.40	1.59	1.86	2.26	1.76
PR17-XX42-X	1.60	1.79	2.06	2.46	1.96
PR18-XX42-X	1.70	1.89	2.16	2.56	2.06
PR20-XX42-X	1.90	2.09	2.36	2.76	2.26
PR22-XX42-X	2.10	2.29	2.56	2.96	2.46
PR25-XX42-X	2.40	2.59	2.86	3.26	2.76
PR30-XX42-X	2.90	3.09	3.36	3.76	3.26
PR36-XX42-X	3.50	3.69	3.96	4.36	3.86
PR40-XX42-X	3.90	4.09	4.36	4.76	4.26
PR50-XX42-X	4.90	5.09	5.36	5.76	5.26

* Dimension F applies to -0 style only

HOW TO ORDER





PS Pluggem Male Cardedge Connector

The PS Series right angle plug connector mates with the JNK and RF Series receptacles, and is available with and without mounting ears.

Dip solder and wire wrap terminations are available.

A slot may be provided in the Pluggem to accommodate a polarizing key. Contact Viking for details.

MATERIALS:

Housing: White, glass-filled polyester, SEO. UL94-VO

Contact: Phosphor bronze

Plating: .000020" selective gold over nickle contact, tin tails

SPECIFICATIONS:

Maximum Operating Temperature: 105° C

Dielectric Withstanding: 2000 V

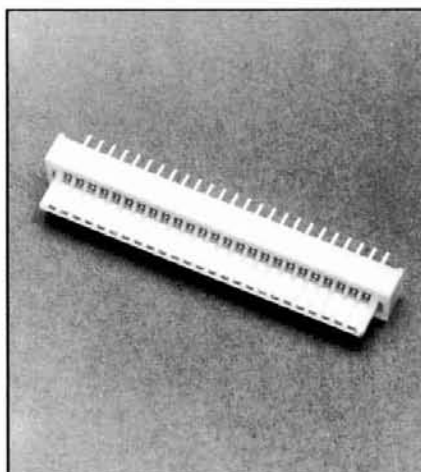
Current Rating: 3 A

Operating Voltage: 600 VDC

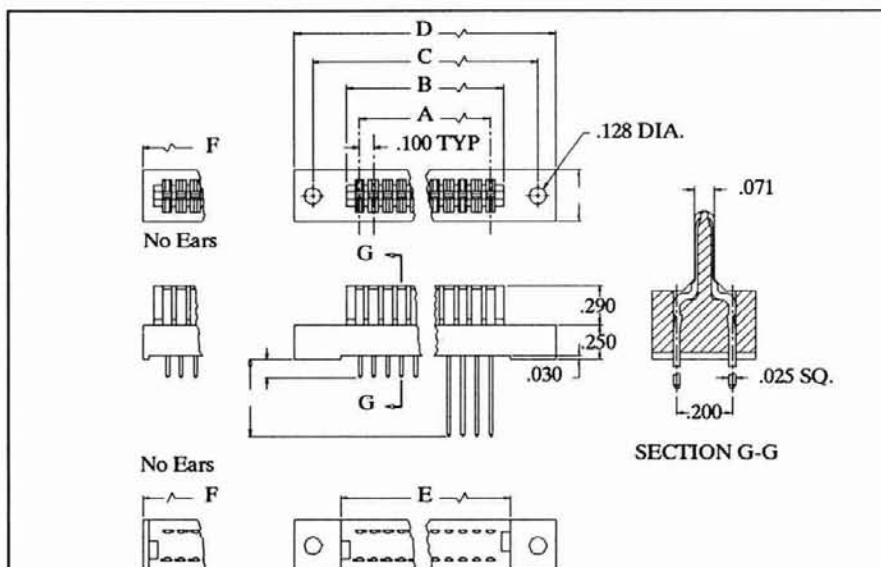
Insulation Resistance: 10¹¹ ohms

APPROVAL:

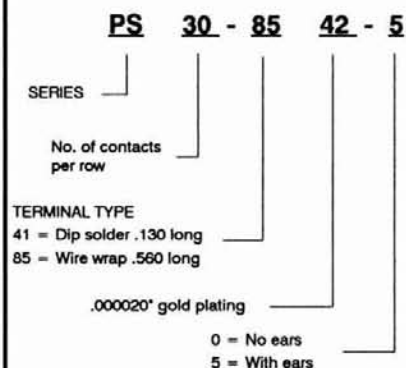
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- .100" SPACING
- 10 TO 50 CONTACTS
- DIP SOLDER/WIRE WRAP TERMINALS AVAILABLE
- RUGGED TWO-PIECE CONNECTOR SYSTEM



HOW TO ORDER



PART NUMBER	DIMENSIONS					
	A	B	C	D	E	F*
PS10-XX42-X	.90	1.09	1.58	1.84	1.18	1.26
PS13-XX42-X	1.20	1.39	1.88	2.14	1.48	1.56
PS15-XX42-X	1.40	1.59	2.08	2.34	1.68	1.76
PS17-XX42-X	1.60	1.79	2.28	2.54	1.88	1.96
PS18-XX42-X	1.70	1.89	2.38	2.64	1.98	2.06
PS20-XX42-X	1.90	2.09	2.58	2.84	2.18	2.26
PS22-XX42-X	2.10	2.29	2.78	3.04	2.38	2.46
PS25-XX42-X	2.40	2.59	3.08	3.34	2.68	2.76
PS30-XX42-X	2.90	3.09	3.58	3.84	3.18	3.26
PS36-XX42-X	3.50	3.69	4.18	4.44	3.78	3.86
PS40-XX42-X	3.90	4.09	4.58	4.84	4.18	4.26
PS50-XX42-X	4.90	5.09	5.58	5.84	5.18	5.26

* Dimension F applies to -0 style only



PF Ribbon Cable Plug Connector

PF Series insulation displacement ribbon cable plug connectors mate with the JNK and RF Series receptacle connectors. PF connectors are available in various sizes for use with #28 AWG standard ribbon cables between 10 and 36 conductors.

Note: Pin 1 location is compatible with standard board mount card-edge connectors and Viking RF ribbon cable card-edge. Pin 1 is reverse of many competitive ribbon cable connectors. Check with Viking if you have any questions.

MATERIALS:

Housing: White, glass-filled polyester, SEO, UL94-V0

Contact: Phosphor bronze

Plating: .000020" selective gold over nickel contact, tin tails

SPECIFICATIONS:

Maximum Operating

Temperature: 105° C

Dielectric Withstanding: 2000 V

Current Rating: 3 A

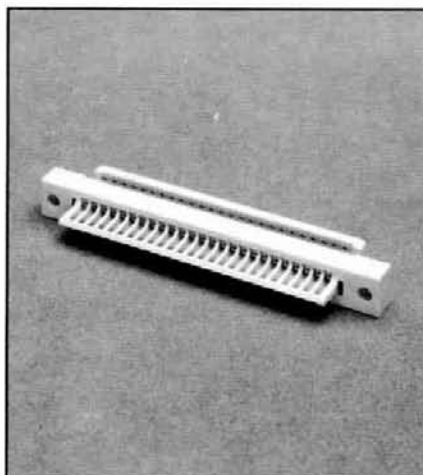
Operating Voltage: 600 VDC

Insulation Resistance: 10¹¹ ohms

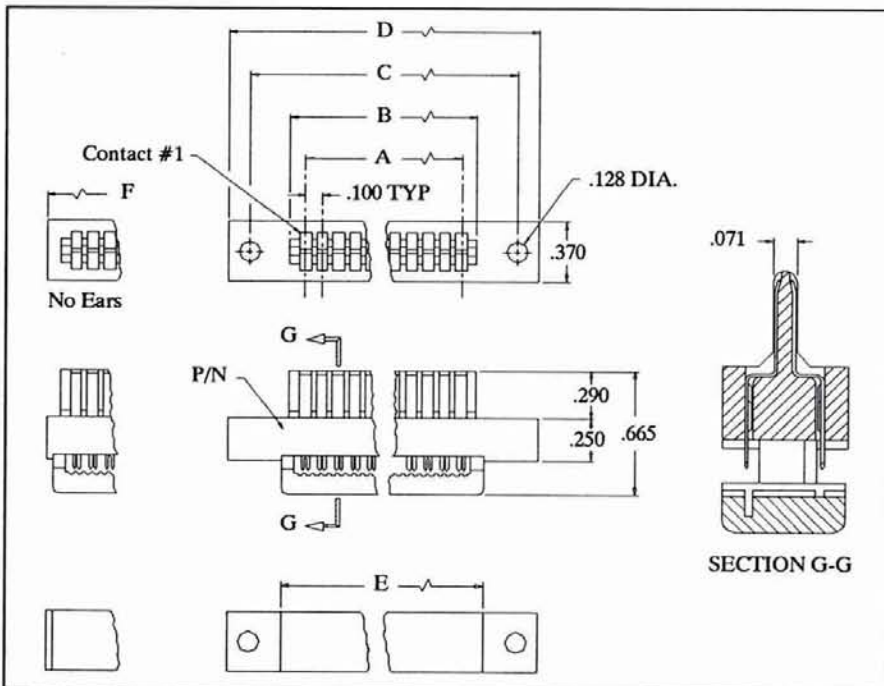
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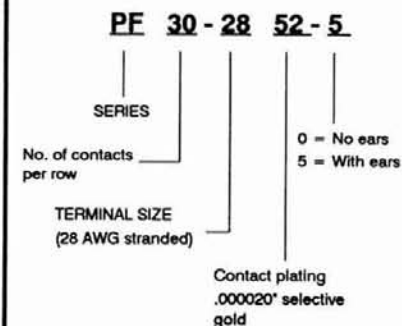
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- .100" SPACING
- IDC CONNECTION
- 10 TO 36 CONTACTS
- MALE CARDEDGE
- PRE-LOADED CONTACT



HOW TO ORDER



PART NUMBER	DIMENSIONS					
	A	B	C	D	E	F
PF10-2852-X	.90	1.09	1.58	1.84	1.18	1.26
PF13-2852-X	1.20	1.39	1.88	2.14	1.48	1.56
PF17-2852-X	1.60	1.79	2.28	2.54	1.88	1.96
PF18-2852-X	1.70	1.89	2.38	2.64	2.08	2.06
PF20-2852-X	1.90	2.09	2.58	2.84	2.18	2.26
PF22-2852-X	2.10	2.29	2.78	3.04	2.38	2.46
PF25-2852-X	2.40	2.59	3.08	3.34	2.68	2.76
PF30-2852-X	2.90	3.09	3.58	3.84	3.18	3.26
PF31-2852-X	3.00	3.19	3.68	3.94	3.28	3.36
PF36-2852-X	3.50	3.69	4.18	4.44	3.78	3.86

For use with #28 AWG standard ribbon cables between 10 and 40 conductors, the Viking RF and RFM ribbon cable receptacles mate with .062" PC boards. The RF Series also mates with the Viking PF, PR and PS Series plug connectors.

Note: RF pin 1 location is compatible with standard cardedge connectors, and is reverse of many competitive ribbon cable connectors. RFM pin 1 location agrees with commonly used competitive connectors. Check with Viking if you have any questions.

MATERIALS:

Housing: White, glass-filled polyester, SEO, UL94-V0

Contact: Phosphor bronze

Plating: .000020" selective gold over nickel contact, tin tails

SPECIFICATIONS:

Maximum Operating

Temperature: 105° C

Dielectric Withstanding: 2000 V

Current Rating: 3 A

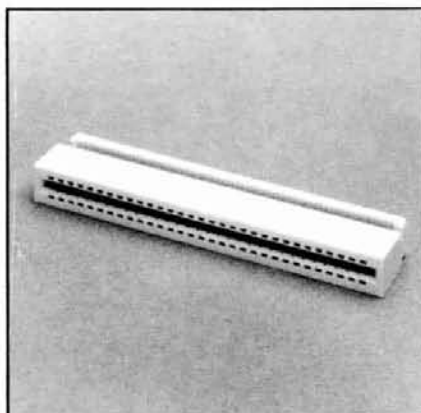
Operating Voltage: 600 VDC

Insulation Resistance: 10¹¹ ohms

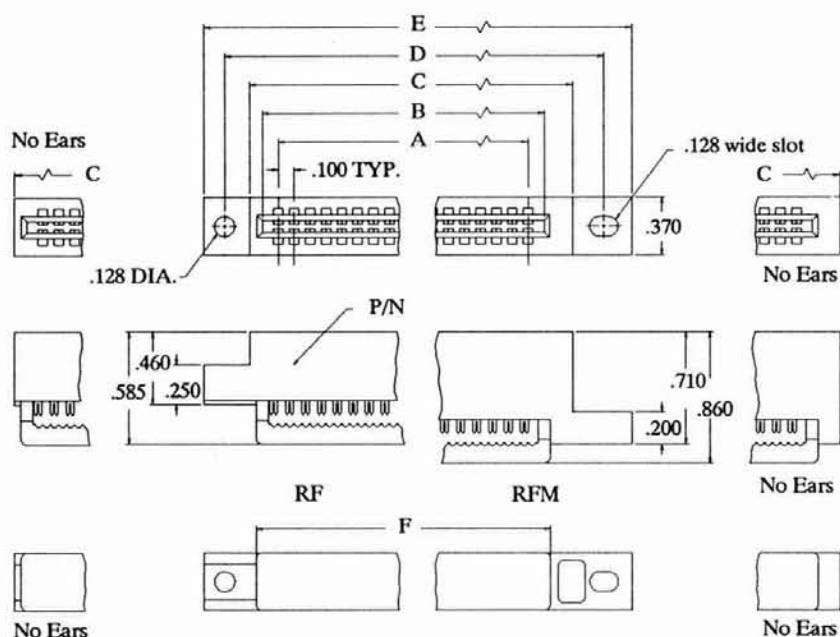
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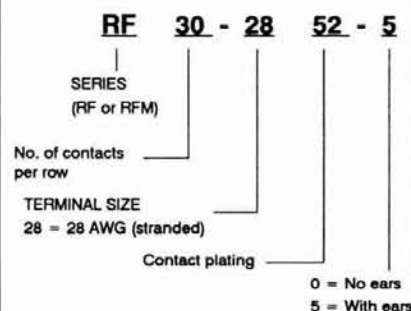
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- .100" SPACING
- IDC CONNECTION
- 10 TO 40 CONTACTS
- PRE-LOADED CONTACTS



HOW TO ORDER (RF AND RFM SERIES)



PART NUMBER		DIMENSIONS					
RF SERIES	RFM SERIES	A	B	C	D	E	F
RF10-2852-X	RFM10-2852-X	.90	1.10	1.26	1.58	1.84	1.18
RF13-2852-X	RFM13-2852-X	1.20	1.40	1.56	1.88	2.14	1.48
RF17-2852-X	RFM17-2852-X	1.60	1.80	1.96	2.28	2.54	1.88
RF18-2852-X		1.70	1.90	2.06	2.38	2.64	1.98
RF20-2852-X	RFM20-2852-X	1.90	2.10	2.26	2.58	2.84	2.18
RF22-2852-X		2.10	2.30	2.46	2.78	3.04	2.38
RF25-2852-X	RFM25-2852-X	2.40	2.60	2.76	3.08	3.34	2.68
RF30-2852-X	RFM30-2852-X	2.90	3.10	3.26	3.58	3.84	3.18
RF31-2852-X		3.00	3.20	3.36	3.68	3.94	3.28
RF36-2852-X	RFM36-2852-X	3.50	3.70	3.86	4.18	4.44	3.78
	RFM40-2852-X	3.90	4.10	4.26	4.58	4.84	4.18



RC Printed Circuit Receptacle Connectors

RC Printed Circuit Receptacle Connectors accept standard .062" edge boards, and also mate with WPI Pluggem Series PF, PS and PR Plug connectors.

RC connectors has straight dip solder terminals. These connectors feature bifurcated, preloaded contacts.

MATERIALS:

Housing: White, glass-filled polyester, SEO, UL94-VO

Contact: Phosphor bronze

Plating: .000020" selective gold over nickel contact, tin tails.

SPECIFICATIONS:

Maximum Operating

Temperature: 105°C

Dielectric Withstanding: 2000V

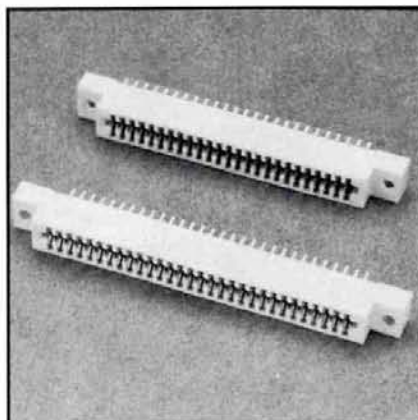
Current Rating: 3A

Operating Voltage: 600VDC

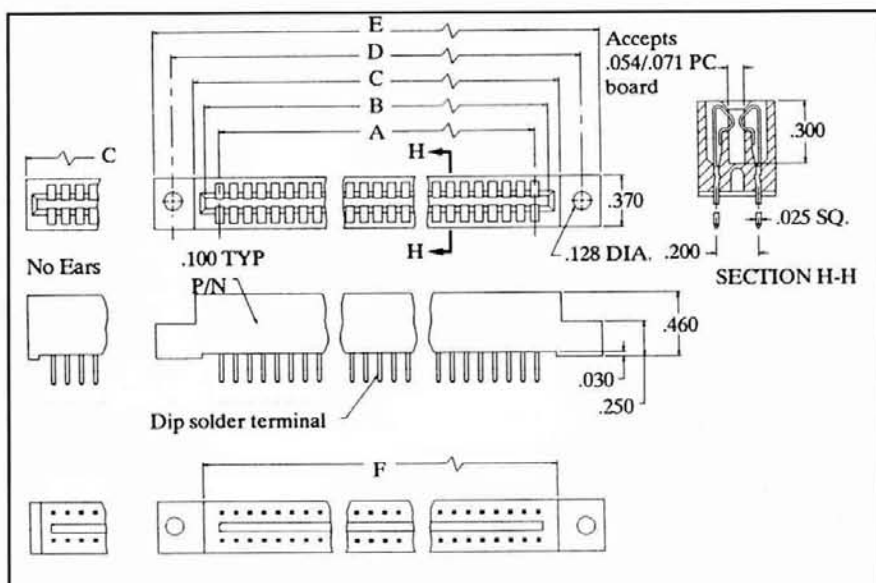
Insulation Resistance: 10" OHMS

APPROVAL:

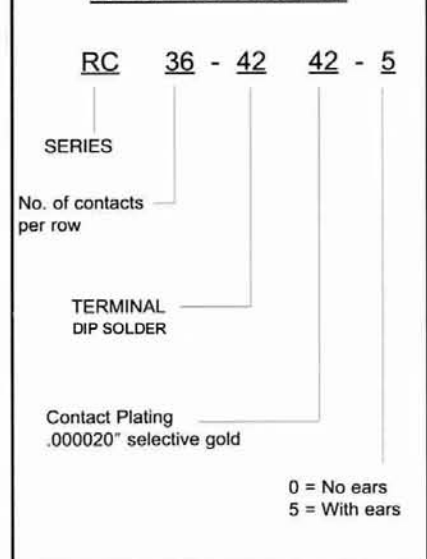
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- .100" SPACING
- 10 TO 50 CONTACTS
- PRE-LOADED CONTACTS
- DIP SOLDER TERMINALS



HOW TO ORDER



PART NUMBER

DIMENSIONS

	A	B	C	D	E	F
RC04-42-42-X	0.3	0.5	0.66	0.975	1.235	0.58
RC10-42-42-X	0.9	1.1	1.26	1.58	1.84	1.18
RC13-42-42-X	1.2	1.4	1.56	1.88	2.14	1.48
RC15-42-42-X	1.4	1.6	1.76	2.08	2.34	1.68
RC17-42-42-X	1.6	1.8	1.96	2.28	2.54	1.88
RC18-42-42-X	1.7	1.9	2.06	2.38	2.74	1.98
RC20-42-42-X	1.9	2.1	2.26	2.58	2.84	2.18
RC22-42-42-X	2.1	2.3	2.46	2.78	3.04	2.38
RC25-42-42-X	2.4	2.6	2.76	3.08	3.34	2.68
RC30-42-42-X	2.9	3.1	3.26	3.58	3.84	3.18
RC31-42-42-X	3.1	3.2	3.36	3.68	3.94	3.28
RC36-42-42-X	3.5	3.7	3.86	4.18	4.44	3.78
RC40-42-42-X	3.9	4.1	4.26	4.58	4.84	4.18
RC50-42-42-X	4.9	5.2	5.26	5.58	5.84	5.18

FOR FURTHER INFORMATION



- Card-Edge
- D-Subminiatures
- Relay Sockets
- Mini-Circulars
- Stacking
- Specialty

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