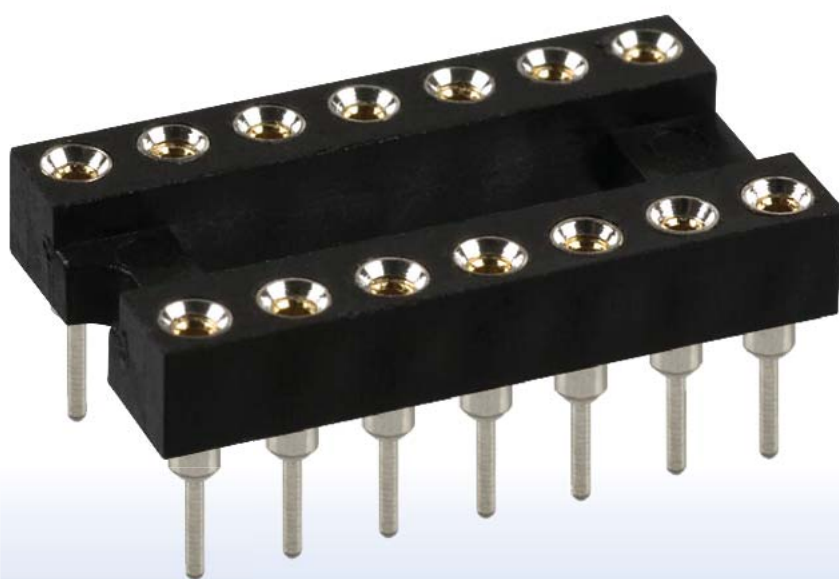


IC, PLCC, PIN & JUMPERS



VAVSVAV

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IC Socket Machined Pin, 7.43MM pin length, 2.54MM pitch, 6-48 contacts

USB & IEEE
IDC &
Flat Ribbon
IC, PLCC, Pin
& Jumpers

DSUB &
Centronics

Waterproof

DVI & HDMI

Modular

Fiber-Optic

Power Cords

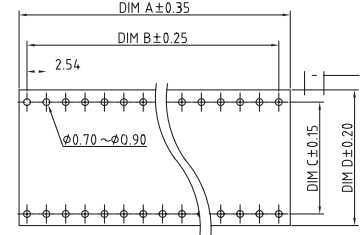
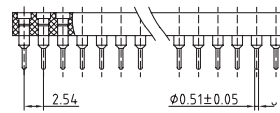
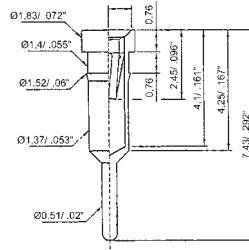
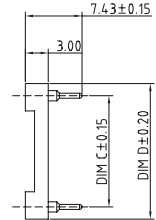
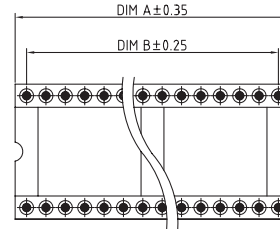
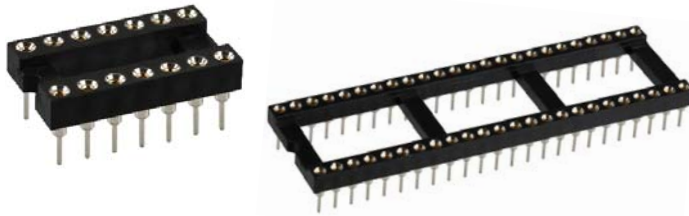
Wire to Board

SATA &
eSATA

FFC/FPC

MiniDIN &
Audio

KVM Cables



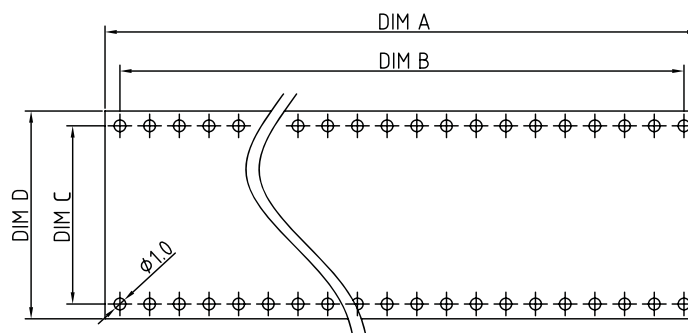
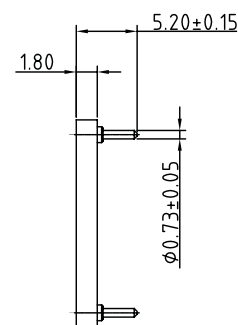
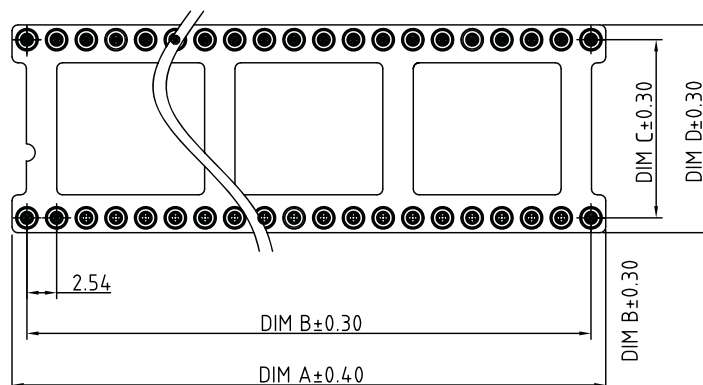
PCB Layout

Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D
AR06-HGL-TT-R	6	Gold	7.62	5.08	7.62	10.16	AR06-HZL-TT-R	6	Tin	7.62	5.08	7.62	10.16
AR08-HGL-TT-R	8	Gold	10.16	7.62	7.62	10.16	AR08-HZL-TT-R	8	Tin	10.16	7.62	7.62	10.16
AR14-HGL-TT-R	14	Gold	17.78	15.24	7.62	10.16	AR14-HZL-TT-R	14	Tin	17.78	15.24	7.62	10.16
AR16-HGL-TT-R	16	Gold	20.32	17.78	7.62	10.16	AR16-HZL-TT-R	16	Tin	20.32	17.78	7.62	10.16
AR18-HGL-TT-R	18	Gold	22.86	20.32	7.62	10.16	AR18-HZL-TT-R	18	Tin	22.86	20.32	7.62	10.16
AR20-HGL-TT-R	20	Gold	25.40	22.86	7.62	10.16	AR20-HZL-TT-R	20	Tin	25.40	22.86	7.62	10.16
AR24-HGL-TT-R	24	Gold	30.48	27.94	15.24	17.78	AR22-HZL-TT-R	22	Tin	27.94	25.40	7.62	10.16
AR28-HGL-TT-R	28	Gold	35.56	33.02	15.24	17.78	AR24-HZL-TT-R	24	Tin	30.48	27.94	7.62	10.16
AR32-HGL-TT-R	32	Gold	40.64	38.10	15.24	17.78	AR28-HZL-TT-R	28	Tin	35.56	33.02	15.24	17.78
AR40-HGL-TT-R	40	Gold	50.80	48.26	15.24	17.78	AR32-HZL-TT-R	32	Tin	40.64	38.10	15.24	17.78
							AR40-HZL-TT-R	40	Tin	50.80	48.26	15.24	17.78
							AR48-HZL-TT-R	48	Tin	60.96	58.42	15.24	17.78
AR06-HZL/01-TT-R	6	Tin/Clip 10µ" Gold	7.62	5.08	7.62	10.16	AR06-HZL/07-TT-R	6	Tin/Clip 30µ" Gold	7.62	5.08	7.62	10.16
AR08-HZL/01-TT-R	8	Tin/Clip 10µ" Gold	10.16	7.62	7.62	10.16	AR08-HZL/07-TT-R	8	Tin/Clip 30µ" Gold	10.16	7.62	7.62	10.16
AR14-HZL/01-TT-R	14	Tin/Clip 10µ" Gold	17.78	15.24	7.62	10.16	AR14-HZL/07-TT-R	14	Tin/Clip 30µ" Gold	17.78	15.24	7.62	10.16
AR16-HZL/01-TT-R	16	Tin/Clip 10µ" Gold	20.32	17.78	7.62	10.16	AR16-HZL/07-TT-R	16	Tin/Clip 30µ" Gold	20.32	17.78	7.62	10.16
AR18-HZL/01-TT-R	18	Tin/Clip 10µ" Gold	22.86	20.32	7.62	10.16	AR18-HZL/07-TT-R	18	Tin/Clip 30µ" Gold	22.86	20.32	7.62	10.16
AR20-HZL/01-TT-R	20	Tin/Clip 10µ" Gold	25.40	22.86	7.62	10.16	AR20-HZL/07-TT-R	20	Tin/Clip 30µ" Gold	25.40	22.86	7.62	10.16
AR24-HZL/01-TT-R	24	Tin/Clip 10µ" Gold	30.48	27.94	15.24	17.78	AR24-HZL/07-TT-R	24	Tin/Clip 30µ" Gold	30.48	27.94	15.24	17.78
AR28-HZL/01-TT-R	28	Tin/Clip 10µ" Gold	35.56	33.02	15.24	17.78	AR28-HZL/07-TT-R	28	Tin/Clip 30µ" Gold	35.56	33.02	15.24	17.78
AR32-HZL/01-TT-R	32	Tin/Clip 10µ" Gold	40.64	38.10	15.24	17.78	AR32-HZL/07-TT-R	32	Tin/Clip 30µ" Gold	40.64	38.10	15.24	17.78
AR40-HZL/01-TT-R	40	Tin/Clip 10µ" Gold	50.80	48.26	15.24	17.78	AR40-HZL/07-TT-R	40	Tin/Clip 30µ" Gold	50.80	48.26	15.24	17.78

IC Socket Machined Pin, 5.20MM pin length, 2.54MM pitch, 6-64 contacts



PCB Layout

Material:

Insulator body: Glass filled thermoplastic polyester UL94V-0, Black
 Pin (outer sleeve): Brass, machined, CuZn38Pb2
 Clip (contact 4 finger): Beryllium copper, heat treated or PHBZ
 Plating (outer sleeve): Tin plated 2µm/80µ" Nickel, 5µm/200µ" Tin
 Operating Temperature: Tin plated -40°C~+105°C

Electrical:

Current Rating: 3.0A Max.
 Contact Resistance: 4MΩ Max.
 Insulation Resistance: 10,000MΩ Min. @500V AC
 Operating Voltage: 100 V rms / 150V AC



NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Unit: MM

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D
AJ06-HZL-HZL-T-R	6	Tin	7.62	5.08	7.62	10.16	AJ28-HZL-HZL-T-R	28	Tin	35.56	33.02	15.24	17.78
AJ08-HZL-HZL-T-R	8	Tin	10.16	7.62	7.62	10.16	AJ32-HZL-HZL-T-R	32	Tin	40.64	38.10	15.24	17.78
AJ10-HZL-HZL-T-R	10	Tin	12.70	10.16	7.62	10.16	AJ40-HZL-HZL-T-R	40	Tin	50.80	48.26	15.24	17.78
AJ14-HZL-HZL-T-R	14	Tin	17.78	15.24	7.62	10.16	AJ48-HZL-HZL-T-R	48	Tin	60.96	58.42	15.24	17.78
AJ16-HZL-HZL-T-R	16	Tin	20.32	17.78	7.62	10.16	AJ64-HZL-HZL-T-R	64	Tin	81.28	78.74	22.86	24.40
AJ18-HZL-HZL-T-R	18	Tin	22.86	20.32	7.62	10.16							
AJ20-HZL-HZL-T-R	20	Tin	25.40	22.86	7.62	10.16	AJ24-HZL/7-HZL-T-R	24	Tin	30.48	27.94	7.62	10.16
AJ24-HZL-HZL-T-R	24	Tin	30.48	27.94	15.24	17.78	AJ28-HZL/7-HZL-T-R	28	Tin	35.56	33.02	7.62	10.16

USB & IEEE

IDC & Flat Ribbon

IC, PLCC, Pin & Jumpers

DSub & Centronics

Waterproof

DVI & HDMI

Modular

Fiber-Optic

Power Cords

Wire to Board

SATA & eSATA

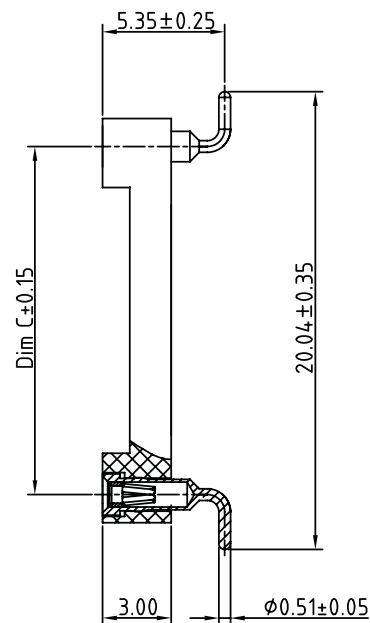
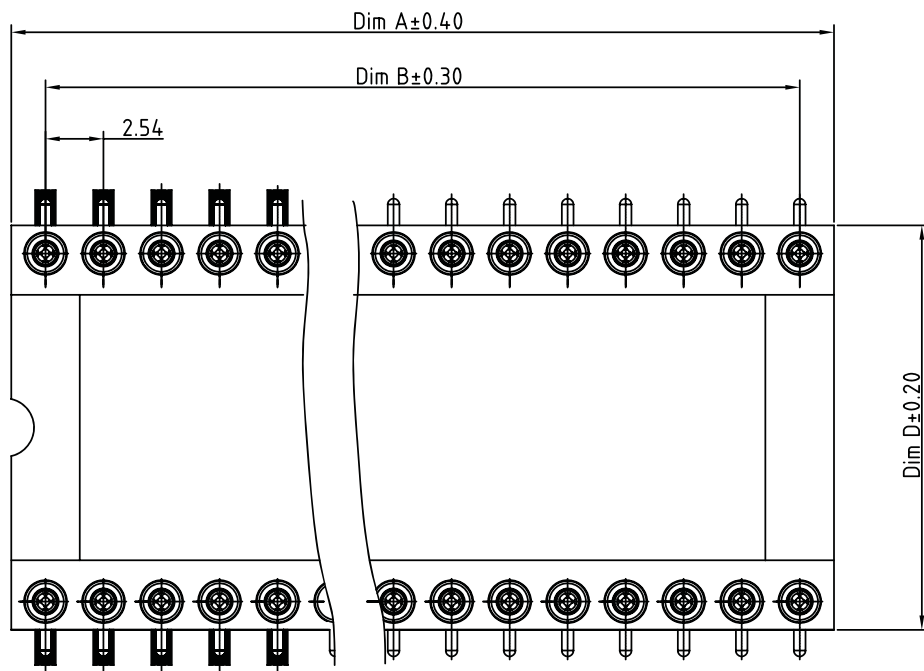
FFC/FFC

MiniDIN & Audio

KVM Cables

IC Socket SMT, 2.54MM pitch, 6-40 contacts

USB & IEEE
IDC &
Flat Ribbon
IC, PLCC, Pin
& Jumpers
DSUB &
Centronics
Waterproof
DVI & HDMI
Modular
Fiber-Optic
Power Cords
Wire to Board
SATA &
eSATA
FFC/FCPC
MiniDIN &
Audio
KVM Cables



Material:

Insulator body: Glass Filled Hi-Temperature Thermoplastic UL94V-0, Black
Pin (outer sleeve): Brass, Machined CuZn38Pb2
Clip (contact 4 finger): Beryllium copper, heat treated or PHBZ
Plating (outer sleeve): Tin plated 2um/80µ" Nickel, 5um/200µ" Tin
Plating clip (contact): 2um/80µ" Nickel, Tin plating
Operating Temperature: -40°C ~ +105°C

Electrical:

Current Rating: 3.0A Max.
Contact Resistance: ≤4MΩ/contact
Insulation Resistance: ≥10,000MΩ Min. @500V AC
Operating Voltage: 100V rms / 150V DC

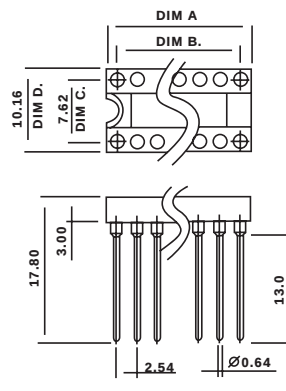
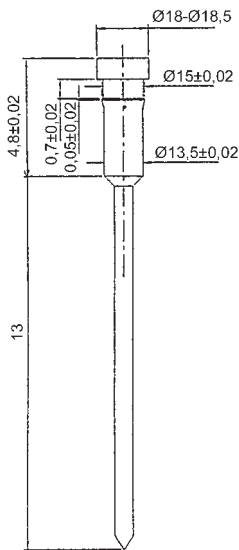
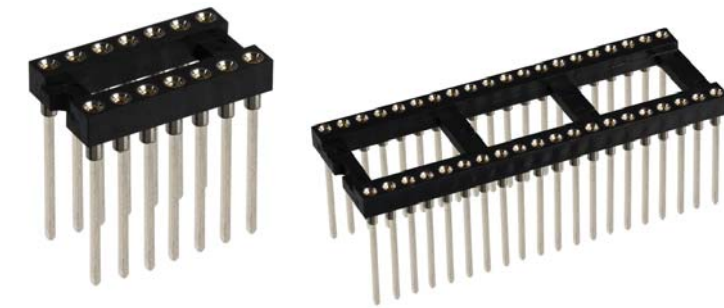


NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

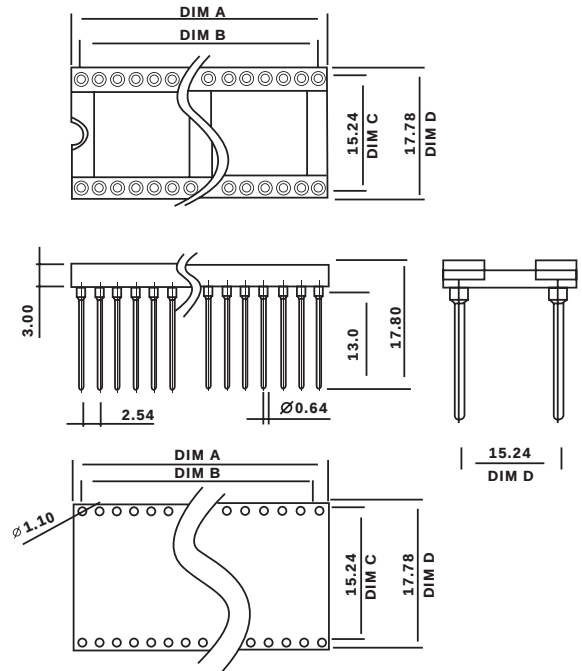
Unit: MM

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D
AR06-HZL-SMT-TT-R	6	Tin	7.62	5.08	7.62	10.16	AR24-HZL-SMT-TT-R	24	Tin	30.48	27.94	15.24	17.78
AR08-HZL-SMT-TT-R	8	Tin	10.16	7.62	7.62	10.16	AR28-HZL-SMT-TT-R	28	Tin	35.56	33.02	15.24	17.78
AR10-HZL-SMT-TT-R	10	Tin	12.70	10.16	7.62	10.16	AR32-HZL-SMT-TT-R	32	Tin	40.64	38.10	15.24	17.78
AR14-HZL-SMT-TT-R	14	Tin	17.78	15.24	7.62	10.16	AR40-HZL-SMT-TT-R	40	Tin	50.80	48.26	15.24	17.78
AR16-HZL-SMT-TT-R	16	Tin	20.32	17.78	7.62	10.16							
AR18-HZL-SMT-TT-R	18	Tin	22.86	20.32	7.62	10.16	AR24-HZL/7-SMT-TT-R	24	Tin	30.48	27.94	7.62	10.16
AR20-HZL-SMT-TT-R	20	Tin	25.40	22.86	7.62	10.16	AR28-HZL/7-SMT-TT-R	28	Tin	35.56	33.02	7.62	10.16

IC Socket Wire Wrap, 17.80MM pin length, 2.54MM pitch, 6-64 contacts



PCB Layout



PCB Layout

Material:

Insulator body: Glass filled thermoplastic polyester UL94V-0, Black
Pin (outer sleeve): Brass, machined, CuZn38Pb2
Clip (contact 4 finger): Beryllium copper, heat treated or PHBZ
Operating Temperature: Tin plated -40°C~+105°C / Gold plated: -55°C~+125°C

Electrical:

Current Rating: 3.0A Max.
Contact Resistance: 4MΩ Max.
Insulation Resistance: 10,000MΩ Min. @500V AC
Operating Voltage: 100 VRMS / 150V AC



NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US Unit: MM

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D
AR06-HGW/T-R	6	Gold	7.62	5.08	7.62	10.16	AR06-HZW/T-R	6	Tin	7.62	5.08	7.62	10.16
AR08-HGW/T-R	8	Gold	10.16	7.62	7.62	10.16	AR08-HZW/T-R	8	Tin	10.16	7.62	7.62	10.16
AR14-HGW/T-R	14	Gold	17.78	15.24	7.62	10.16	AR14-HZW/T-R	14	Tin	17.78	15.24	7.62	10.16
AR16-HGW/T-R	16	Gold	20.32	17.78	7.62	10.16	AR16-HZW/T-R	16	Tin	20.32	17.78	7.62	10.16
AR18-HGW/T-R	18	Gold	22.86	20.32	7.62	10.16	AR18-HZW/T-R	18	Tin	22.86	20.32	7.62	10.16
AR20-HGW/T-R	20	Gold	25.40	22.86	7.62	10.16	AR20-HZW/T-R	20	Tin	25.40	22.86	7.62	10.16
AR24-HGW/T-R	24	Gold	30.48	27.94	15.24	17.78	AR24-HZW/T-R	24	Tin	30.48	27.94	15.24	17.78
AR28-HGW/T-R	28	Gold	35.56	33.02	15.24	17.78	AR28-HZW/T-R	28	Tin	35.56	33.02	15.24	17.78
AR32-HGW/T-R	32	Gold	40.64	38.10	15.24	17.78	AR32-HZW/T-R	32	Tin	40.64	38.10	15.24	17.78
AR40-HGW/T-R	40	Gold	50.80	48.26	15.24	17.78	AR40-HZW/T-R	40	Tin	50.80	48.26	15.24	17.78

IC, PLCC, Pin & Jumpers
IDC & Flat Ribbon
USB & IEEE
DSUB & Centronics
Waterproof
DVI & HDMI
Modular
Fiber-Optic
Power Cords
Wire to Board
SATA & eSATA
FFC/FFC
MiniDIN & Audio
KVM Cables

IC Socket Low Cost, Stamped contacts, 2.54MM pitch, 6-48 contacts

USB & IEEE
IDC &
Flat Ribbon
IC, PLCC, Pin
& Jumpers

DSUB &
Centronics

Waterproof

DVI & HDMI

Modular

Fiber-Optic

Power Cords

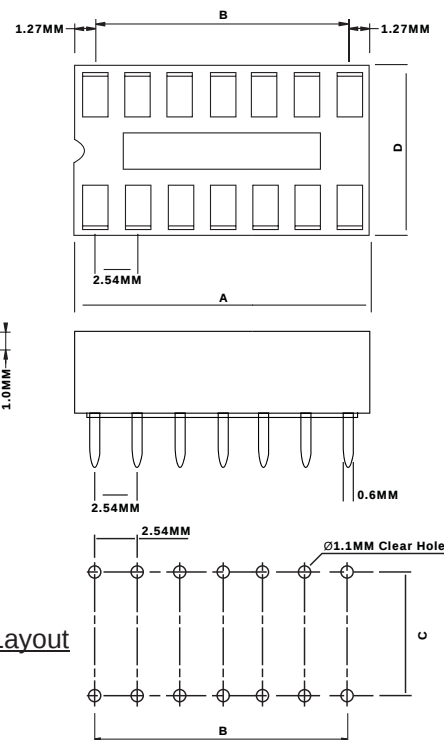
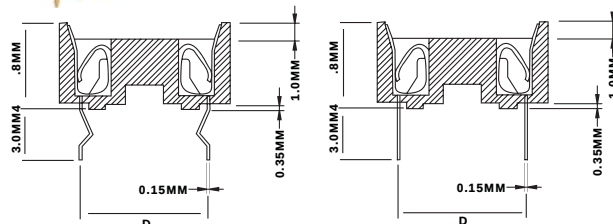
Wire to Board

SATA &
eSATA

FFC/FFPC

MiniDIN &
Audio

KVM Cables



PCB Layout

Material:

Housing: PBT & 30% Glass Fiber (UL94V-0), Black
Contacts: Phosphor Bronze, Tin/Gold Flash plated
Operating Temperature: -55°C~+105°C

Electrical:

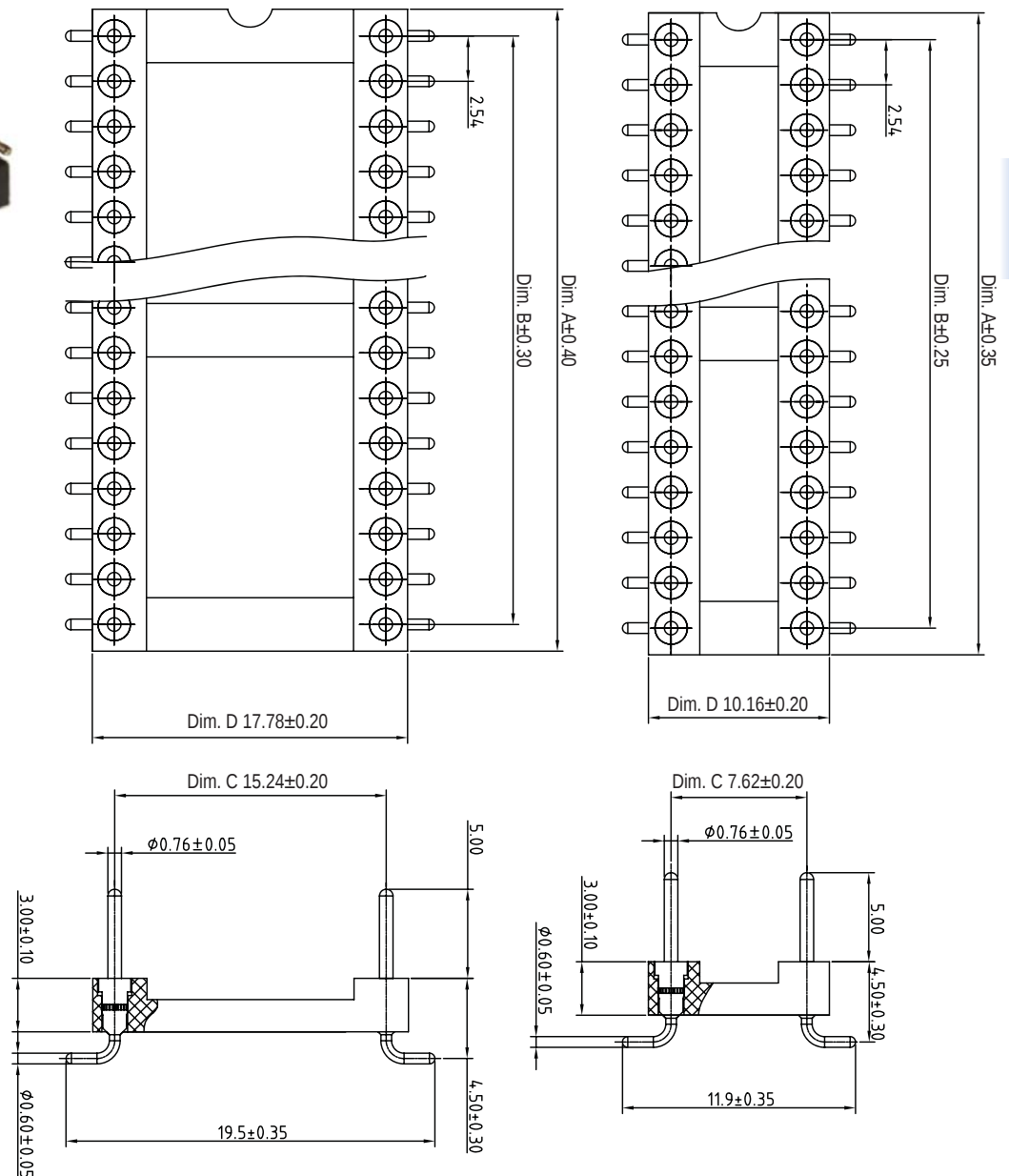
Current Rating: 1.0A Max.
Contact Resistance: 30 MΩ Max. @ 100mA DC
Insulation Resistance: 1,000 MΩ Min. @ 500V DC
Dielectric Withstanding Voltage: 500V AC for 1 minute



Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Pin	Dim. A	Dim. B	Dim. C	Dim. D	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Pin	Dim. A	Dim. B	Dim. C	Dim. D
A06-LCG-T-R	6	Gold	Straight	7.62	5.08	7.62	9.96	A06-LC-TT-R	6	Tin	Straight	7.62	5.08	7.62	9.96
A08-LCG-T-R	8	Gold	Straight	10.06	7.52	7.62	9.96	A08-LC-TT-R	8	Tin	Straight	10.06	7.52	7.62	9.96
A14-LCG-T-R	14	Gold	Straight	17.68	15.14	7.62	9.96	A14-LC-TT-R	14	Tin	Straight	17.68	15.14	7.62	9.96
A16-LCG-T-R	16	Gold	Straight	20.22	17.68	7.62	9.96	A16-LC-TT-R	16	Tin	Straight	20.22	17.68	7.62	9.96
A18-LCG-T-R	18	Gold	Straight	22.76	20.22	7.62	9.96	A18-LC-TT-R	18	Tin	Straight	22.76	20.22	7.62	9.96
A20-LCG-T-R	20	Gold	Straight	22.86	20.32	7.62	9.96	A20-LC-TT-R	20	Tin	Straight	22.86	20.32	7.62	9.96
A22-LCG-T-R	22	Gold	Straight	27.80	25.26	7.62	9.96	A22-LC-TT-R	22	Tin	Straight	27.80	25.26	7.62	9.96
A24-LCG-T-R	24	Gold	Straight	30.38	27.84	15.24	17.68	A24-LC-TT-R	24	Tin	Straight	30.38	27.84	15.24	17.68
A28-LCG-T-R	28	Gold	Straight	35.46	32.92	15.24	17.68	A28-LC-TT-R	28	Tin	Straight	35.46	32.92	15.24	17.68
A32-LCG-T-R	32	Gold	Straight	40.50	37.96	15.24	17.68	A32-LC-TT-R	32	Tin	Straight	40.50	37.96	15.24	17.68
A40-LCG-T-R	40	Gold	Straight	50.70	48.16	15.24	17.68	A40-LC-TT-R	40	Tin	Straight	50.70	48.16	15.24	17.68
A48-LCG-T-R	48	Gold	Straight	61.05	58.51	15.24	17.68								
A08-LC-TR-R	8	Tin	Retentive	10.06	7.52	7.62	9.96	A22-LC-7-TT-R	22	Tin	Straight	27.70	25.16	10.16	12.62
A14-LC-TR-R	14	Tin	Retentive	17.68	15.14	7.62	9.96	A24-LC-7-TT-R	24	Tin	Straight	30.38	27.84	7.62	9.96
A16-LC-TR-R	16	Tin	Retentive	20.22	17.68	7.62	9.96	A28-LC-7-TT-R	28	Tin	Straight	35.46	32.92	7.62	9.96
A18-LC-TR-R	18	Tin	Retentive	22.76	20.22	7.62	9.96								
A20-LC-TR-R	20	Tin	Retentive	22.86	20.32	7.62	9.96	A22-LC-T2-R	22	Tin	Straight	27.80	25.26	10.16	12.62
A22-LC-TR-R	22	Tin	Retentive	27.80	25.26	7.62	9.96								
A24-LC-TR-R	24	Tin	Retentive	30.38	27.84	15.24	17.68								
A28-LC-TR-R	28	Tin	Retentive	35.46	32.92	15.24	17.68								
A32-LC-TR-R	32	Tin	Retentive	40.50	37.96	15.24	17.68								
A40-LC-TR-R	40	Tin	Retentive	50.70	48.16	15.24	17.68								
A48-LC-TR-R	48	Tin	Retentive	61.05	58.51	15.24	17.68								



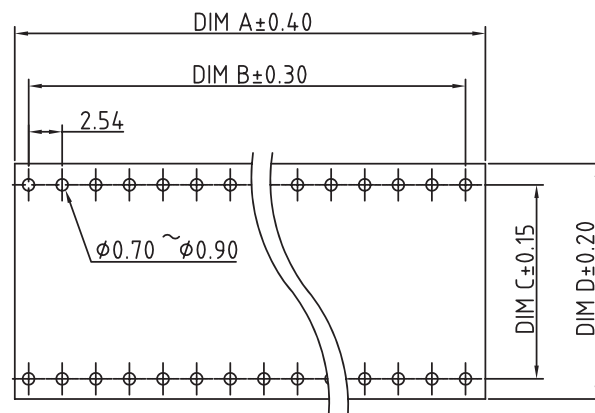
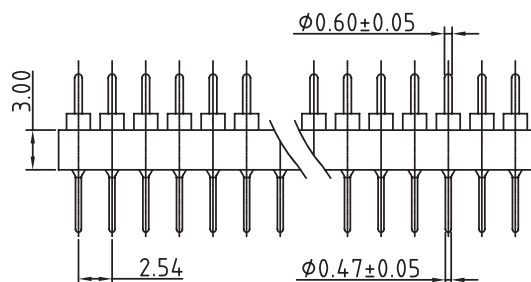
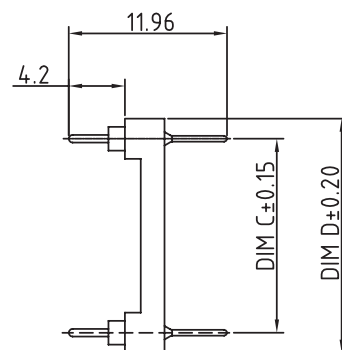
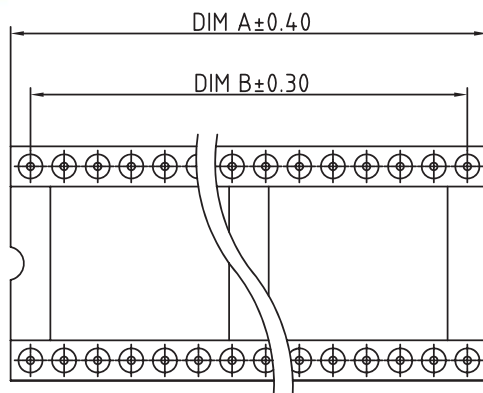
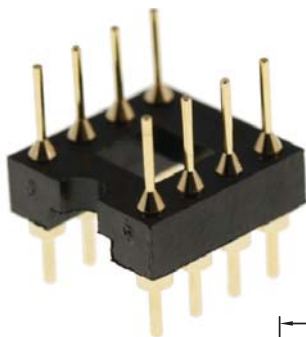
Current Rating: 3.0A Max.
Insulation Resistance: $\geq 10,000\text{M}\Omega$ Min. @500V AC
Operating Voltage: 100V rms / 150V DC



NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D
AR06-HZL-SMT-ST/T-R	6	Tin	7.62	5.08	7.62	10.16	AR28-HZL-SMT-ST/T-R	28	Tin	35.56	33.02	15.24	17.78
AR08-HZL-SMT-ST/T-R	8	Tin	10.16	7.62	7.62	10.16	AR32-HZL-SMT-ST/T-R	32	Tin	40.64	38.10	15.24	17.78
AR10-HZL-SMT-ST/T-R	10	Tin	12.70	10.16	7.62	10.16	AR40-HZL-SMT-ST/T-R	40	Tin	50.80	48.26	15.24	17.78
AR14-HZL-SMT-ST/T-R	14	Tin	17.78	15.24	7.62	10.16	AR48-HZL-SMT-ST/T-R	48	Tin	60.96	58.42	15.24	17.78
AR16-HZL-SMT-ST/T-R	16	Tin	20.32	17.78	7.62	10.16	AR64-HZL-SMT-ST/T-R	64	Tin	81.28	78.74	22.86	24.40
AR18-HZL-SMT-ST/T-R	18	Tin	22.86	20.32	7.62	10.16							
AR20-HZL-SMT-ST/T-R	20	Tin	25.40	22.86	7.62	10.16	AR24-HZL/7-SMT-ST/T-R	24	Tin	30.48	27.94	7.62	10.16
AR24-HZL-SMT-ST/T-R	24	Tin	30.48	27.94	15.24	17.78	AR28-HZL/7-SMT-ST/T-R	28	Tin	35.56	33.02	7.62	10.16

USB & IEEE	IDC & Flat Ribbon	IC, PLCC, Pin & Jumpers
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PCB Layout

Insulator body: Glass filled polyester UL94V-0
Pin (outer sleeve): Brass, machined, CuZn38Pb2
Operating Temperature: Tin plated -40°C~+105°C

Current Rating: 3.0A Max.
Insulation Resistance: 10,000MΩ Min. @500V AC
Operating Voltage: 100 V rms / 150V AC

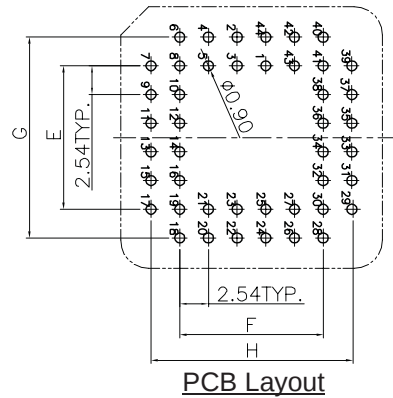
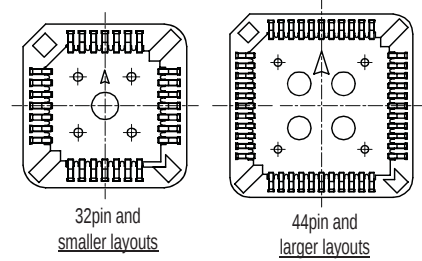
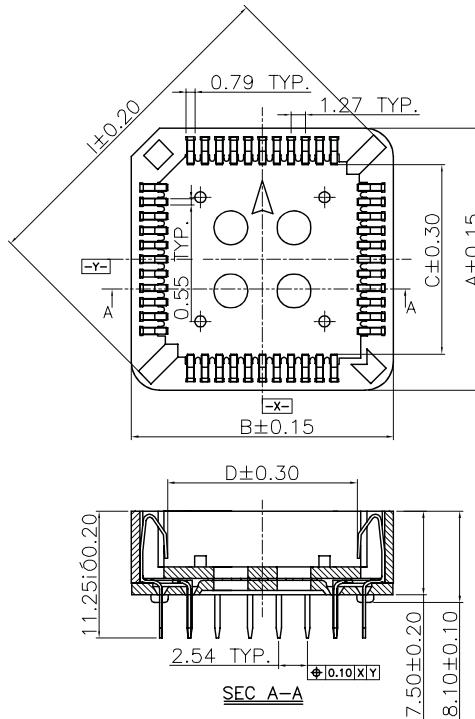


NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Unit: MM

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D
AR06-HZL-ST/T-R	6	Tin	7.62	5.08	7.62	10.16	AR28-HZL-ST/T-R	28	Tin	35.56	33.02	15.24	17.78
AR08-HZL-ST/T-R	8	Tin	10.16	7.62	7.62	10.16	AR32-HZL-ST/T-R	32	Tin	40.64	38.10	15.24	17.78
AR10-HZL-ST/T-R	10	Tin	12.70	10.16	7.62	10.16	AR40-HZL-ST/T-R	40	Tin	50.80	48.26	15.24	17.78
AR14-HZL-ST/T-R	14	Tin	17.78	15.24	7.62	10.16	AR48-HZL-ST/T-R	48	Tin	60.96	58.42	15.24	17.78
AR16-HZL-ST/T-R	16	Tin	20.32	17.78	7.62	10.16	AR64-HZL-ST/T-R	64	Tin	81.28	78.74	22.86	24.40
AR18-HZL-ST/T-R	18	Tin	22.86	20.32	7.62	10.16							
AR20-HZL-ST/T-R	20	Tin	25.40	22.86	7.62	10.16	AR24-HZL/7-ST/T-R	24	Tin	30.48	27.94	7.62	10.16
AR24-HZL-ST/T-R	24	Tin	30.48	27.94	15.24	17.78	AR28-HZL/7-ST/T-R	28	Tin	35.56	33.02	7.62	10.16

PLCC Socket DIP, w/polarizing peg, 2.54MM pitch, 20-84 contacts



Material:

Body & Cover: PBT+30% Glass Filled UL 94V-0
 Contacts: Phosphor Bronze
 Retention Force: 0.30Kg per pin (Min.)
 Operating Temperature: -55°C~+105°C

Electrical:

Current Rating: 1.0A Max.
 Contact Resistance: 30MΩ Max.
 Insulation Resistance: 1,000MΩ Min.
 Operating Voltage: 250V AC/DC Max.
 Dielectric Withstanding: 500V AC for one minute



NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. H	Dim. I
A-CCS20-G-R	20	Gold	15.56	15.56	9.10	9.10	5.08	5.08	10.16	10.16	17.24
A-CCS28-G-R	28	Gold	18.10	18.10	11.66	11.66	7.62	7.62	12.70	12.70	20.83
A-CCS32-G-R	32	Gold	20.60	18.10	14.17	11.66	10.16	7.62	15.24	12.70	22.61
A-CCS44-G-R	44	Gold	23.48	23.48	16.78	16.78	12.70	12.70	17.78	17.78	28.50
A-CCS52-G-R	52	Gold	25.88	25.88	19.28	19.28	15.24	15.24	20.32	20.32	32.45
A-CCS68-G-R	68	Gold	31.66	31.66	24.35	24.35	20.32	20.32	25.40	25.40	39.30
A-CCS84-G-R	84	Gold	36.66	36.66	29.38	29.38	25.40	25.40	30.48	30.48	46.85
A-CCS20-Z-R	20	Tin	15.56	15.56	9.10	9.10	5.08	5.08	10.16	10.16	17.24
A-CCS28-Z-R	28	Tin	18.10	18.10	11.66	11.66	7.62	7.62	12.70	12.70	20.83
A-CCS32-Z-R	32	Tin	20.60	18.10	14.17	11.66	10.16	7.62	15.24	12.70	22.61
A-CCS44-Z-R	44	Tin	23.48	23.48	16.78	16.78	12.70	12.70	17.78	17.78	28.50
A-CCS52-Z-R	52	Tin	25.88	25.88	19.28	19.28	15.24	15.24	20.32	20.32	32.45
A-CCS68-Z-R	68	Tin	31.66	31.66	24.35	24.35	20.32	20.32	25.40	25.40	39.30
A-CCS84-Z-R	84	Tin	36.66	36.66	29.38	29.38	25.40	25.40	30.48	30.48	46.85

IC, PLCC, Pin & Jumpers
 USB & IEEE
 IDC & Flat Ribbon
 DSub & Centronics
 Waterproof
 DVI & HDMI
 Modular
 Fiber-Optic
 Power Cords
 Wire to Board
 SATA & eSATA
 FFC/FFC
 MiniDIN & Audio
 KVM Cables

PLCC Socket SMT, w/o polarizing peg, 2.54MM pitch, 20-84 contacts

USB & IEEE
IDC &
Flat Ribbon
IC, PLCC, Pin
& Jumpers

DSUB &
Centronics

Waterproof

DVI & HDMI

Modular

Fiber-Optic

Power Cords

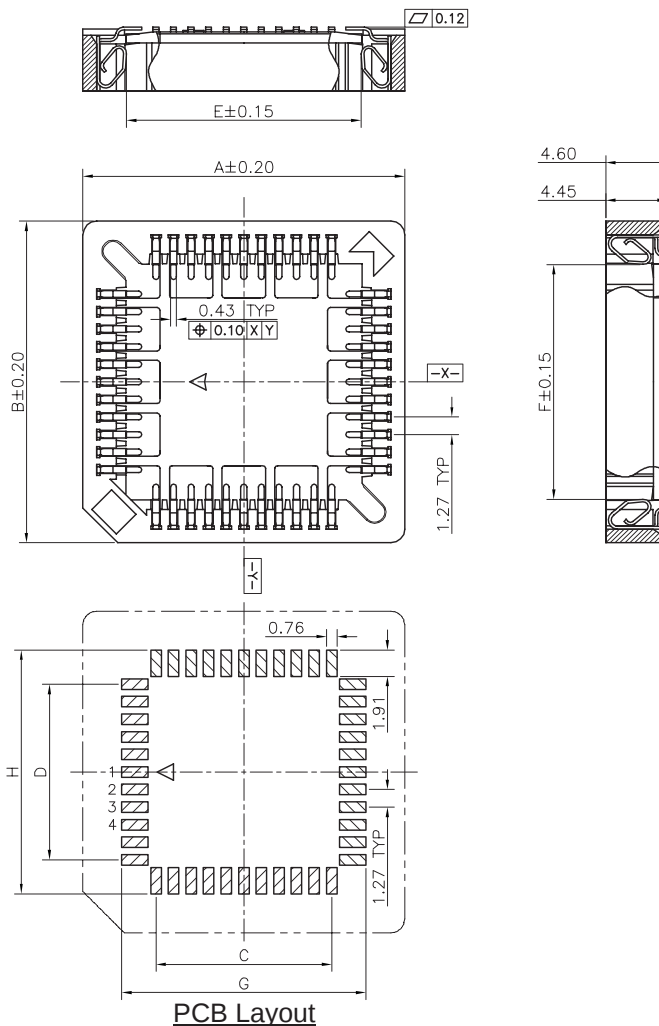
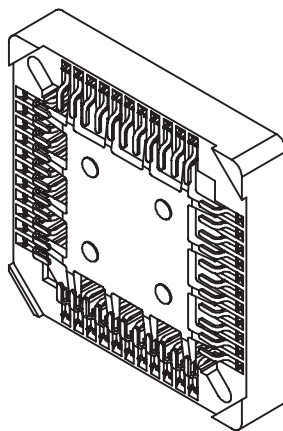
Wire to Board

SATA &
eSATA

FFC/FPC

MiniDIN &
Audio

KVM Cables



Material:

Insulator: PPS+30% Glass Filled UL 94V-0
Contacts: Phosphor Bronze
Retention Force: 0.30Kg per pin (Min.)
Operating Temperature: -55°C~+105°C

Electrical:

Current Rating: 1.0A Max.
Contact Resistance: 30mΩ Max.
Insulation Resistance: 1,000MΩ Min.
Operating Voltage: 250V AC/DC Max.
Dielectric Withstanding: 500V AC for one minute



NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Unit: MM

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Low Profile	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. H
A-CCS20-Z-SM-R	20	Tin	No	15.65	15.65	5.08	5.08	9.35	9.35	10.03	10.03
A-CCS28-Z-SM-R	28	Tin	No	18.19	18.19	7.62	7.62	11.89	11.89	12.57	12.57
A-CCS32-Z-SM-R	32	Tin	No	20.65	18.15	10.16	7.62	14.35	11.85	13.56	12.80
A-CCS44-Z-SM-R	44	Tin	No	23.27	23.27	12.70	12.70	16.97	16.97	17.65	17.65
A-CCS52-Z-SM-R	52	Tin	No	25.81	25.81	15.24	15.24	19.51	19.51	20.19	20.19
A-CCS68-Z-SM-R	68	Tin	No	30.89	30.89	20.32	20.32	24.59	24.59	25.27	25.27
A-CCS84-Z-SM-R	84	Tin	No	35.97	35.97	25.40	25.40	29.67	29.67	30.35	30.35
A-CCS20-Z-SM-LP-R	20	Tin	Yes	15.65	15.65	5.08	5.08	9.35	9.35	10.03	10.03
A-CCS28-Z-SM-LP-R	28	Tin	Yes	18.19	18.19	7.62	7.62	11.89	11.89	12.57	12.57
A-CCS32-Z-SM-LP-R	32	Tin	Yes	20.65	18.15	10.16	7.62	14.35	11.85	13.56	12.80
A-CCS44-Z-SM-LP-R	44	Tin	Yes	23.27	23.27	12.70	12.70	16.97	16.97	17.65	17.65
A-CCS52-Z-SM-LP-R	52	Tin	Yes	25.81	25.81	15.24	15.24	19.51	19.51	20.19	20.19
A-CCS68-Z-SM-LP-R	68	Tin	Yes	30.89	30.89	20.32	20.32	24.59	24.59	25.27	25.27
A-CCS84-Z-SM-LP-R	84	Tin	Yes	35.97	35.97	25.40	25.40	29.67	29.67	30.35	30.35

Machined Pin Socket, Single row, 7.43MM pin length, 2.54MM pitch, 2-40 contacts



Material:

Pin: Brass, Machined, CuZn38Pb2

Clip: Beryllium Copper, Heat Treated

Plating Pin: Tin Gold Plated: 2um/80µ" Nickel, Full Gold

Tin Plated: 2um/80µ" Nickel, 5um/200

Plating Inner Contact: 2um/80µ" Nickel

Insulator: Polyamide, Glass Filled, UL94V-0

Operating Temperature: -40°C~+105°C

Soldering Temperature: 260°C 10's max.

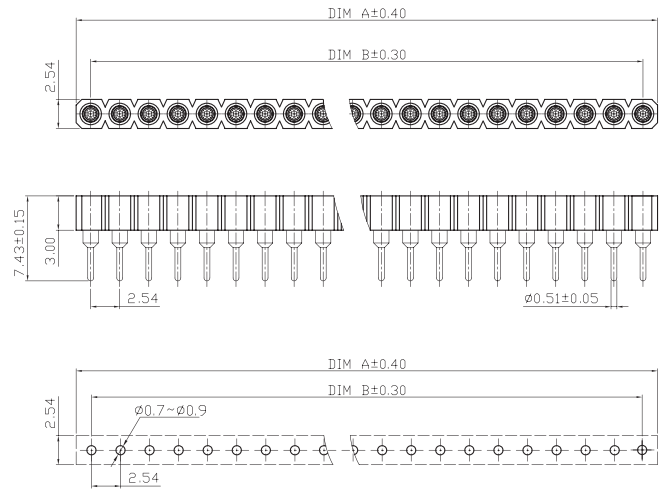
Electrical:

Current Rating: 3.0A Max.

Contact Resistance: 4MΩ Max.

Insulation Resistance: 1,000MΩ at V=100V

Operating Voltage: 60V AC/DC



PCB Layout

Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B
AW127-02/G-T-R	2	Gold	5.08	2.54	AW127-02/Z-T-R	2	Tin	5.08	2.54
AW127-03/G-T-R	3	Gold	7.62	5.08	AW127-03/Z-T-R	3	Tin	7.62	5.08
AW127-04/G-T-R	4	Gold	10.16	7.62	AW127-04/Z-T-R	4	Tin	10.16	7.62
AW127-05/G-T-R	5	Gold	12.70	10.16	AW127-05/Z-T-R	5	Tin	12.70	10.16
AW127-06/G-T-R	6	Gold	15.24	12.70	AW127-06/Z-T-R	6	Tin	15.24	12.70
AW127-07/G-T-R	7	Gold	17.78	15.24	AW127-07/Z-T-R	7	Tin	17.78	15.24
AW127-08/G-T-R	8	Gold	20.32	17.78	AW127-08/Z-T-R	8	Tin	20.32	17.78
AW127-09/G-T-R	9	Gold	22.86	20.32	AW127-09/Z-T-R	9	Tin	22.86	20.32
AW127-10/G-T-R	10	Gold	25.40	22.86	AW127-10/Z-T-R	10	Tin	25.40	22.86
AW127-11/G-T-R	11	Gold	27.94	25.40	AW127-11/Z-T-R	11	Tin	27.94	25.40
AW127-12/G-T-R	12	Gold	30.48	27.94	AW127-12/Z-T-R	12	Tin	30.48	27.94
AW127-13/G-T-R	13	Gold	33.02	30.48	AW127-13/Z-T-R	13	Tin	33.02	30.48
AW127-14/G-T-R	14	Gold	35.56	33.02	AW127-14/Z-T-R	14	Tin	35.56	33.02
AW127-15/G-T-R	15	Gold	38.10	35.56	AW127-15/Z-T-R	15	Tin	38.10	35.56
AW127-16/G-T-R	16	Gold	40.64	38.10	AW127-16/Z-T-R	16	Tin	40.64	38.10
AW127-17/G-T-R	17	Gold	43.18	40.64	AW127-17/Z-T-R	17	Tin	43.18	40.64
AW127-18/G-T-R	18	Gold	45.72	43.18	AW127-18/Z-T-R	18	Tin	45.72	43.18
AW127-19/G-T-R	19	Gold	48.26	45.72	AW127-19/Z-T-R	19	Tin	48.26	45.72
AW127-20/G-T-R	20	Gold	50.80	48.26	AW127-20/Z-T-R	20	Tin	50.80	48.26
AW127-21/G-T-R	21	Gold	53.34	50.80	AW127-21/Z-T-R	21	Tin	53.34	50.80
AW127-22/G-T-R	22	Gold	55.88	53.34	AW127-22/Z-T-R	22	Tin	55.88	53.34
AW127-23/G-T-R	23	Gold	58.42	55.88	AW127-23/Z-T-R	23	Tin	58.42	55.88
AW127-24/G-T-R	24	Gold	60.96	58.42	AW127-24/Z-T-R	24	Tin	60.96	58.42
AW127-25/G-T-R	25	Gold	63.50	60.96	AW127-25/Z-T-R	25	Tin	63.50	60.96
AW127-26/G-T-R	26	Gold	66.04	63.50	AW127-26/Z-T-R	26	Tin	66.04	63.50
AW127-27/G-T-R	27	Gold	68.58	66.04	AW127-27/Z-T-R	27	Tin	68.58	66.04
AW127-28/G-T-R	28	Gold	71.12	68.58	AW127-28/Z-T-R	28	Tin	71.12	68.58
AW127-29/G-T-R	29	Gold	73.66	71.12	AW127-29/Z-T-R	29	Tin	73.66	71.12
AW127-30/G-T-R	30	Gold	76.20	73.66	AW127-30/Z-T-R	30	Tin	76.20	73.66
AW127-31/G-T-R	31	Gold	78.74	76.20	AW127-31/Z-T-R	31	Tin	78.74	76.20
AW127-32/G-T-R	32	Gold	81.28	78.74	AW127-32/Z-T-R	32	Tin	81.28	78.74
AW127-33/G-T-R	33	Gold	83.82	81.28	AW127-33/Z-T-R	33	Tin	83.82	81.28
AW127-34/G-T-R	34	Gold	86.36	83.82	AW127-34/Z-T-R	34	Tin	86.36	83.82
AW127-35/G-T-R	35	Gold	88.90	86.36	AW127-35/Z-T-R	35	Tin	88.90	86.36
AW127-36/G-T-R	36	Gold	91.44	88.90	AW127-36/Z-T-R	36	Tin	91.44	88.90
AW127-37/G-T-R	37	Gold	93.98	91.44	AW127-37/Z-T-R	37	Tin	93.98	91.44
AW127-38/G-T-R	38	Gold	96.52	93.98	AW127-38/Z-T-R	38	Tin	96.52	93.98
AW127-39/G-T-R	39	Gold	99.06	96.52	AW127-39/Z-T-R	39	Tin	99.06	96.52
AW127-40/G-T-R	40	Gold	101.60	99.06	AW127-40/Z-T-R	40	Tin	101.60	99.06

USB & IEEE
IDC & Flat Ribbon
IC, PLCC, Pin & Jumpers
DSub & Centronics
Waterproof
DVI & HDMI
Modular
Fiber-Optic
Power Cords
Wire to Board
SATA & eSATA
FFC/FFC
MiniDIN & Audio
KVM Cables

Straight Pin Header, Single row, 11.2MM pin length, 2.54MM pitch, 2-40 contacts

USB & IEEE
IDC &
Flat Ribbon

IC, PLCC, Pin
& Jumpers

DSUB &
Centronics

Waterproof

DVI & HDMI

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Fiber-Optic

Power Cords

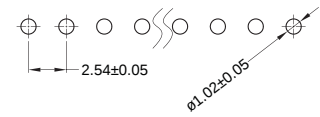
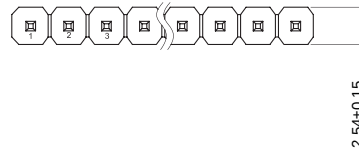
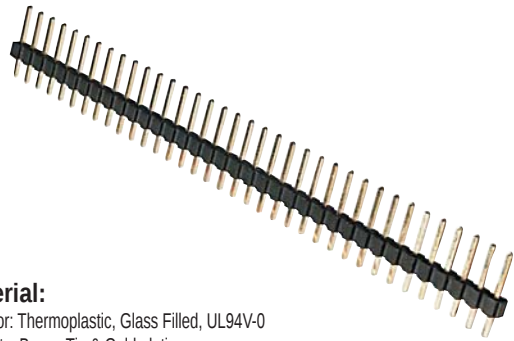
Wire to Board

SATA &
eSATA

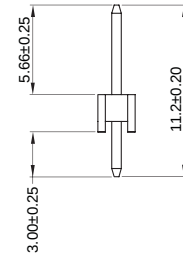
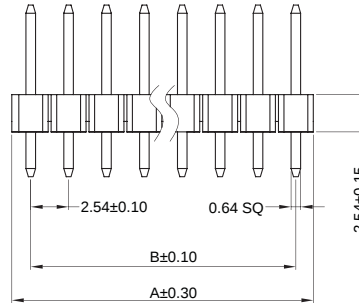
FFC/FPC

MiniDIN &
Audio

KVM Cables



PCB Layout



Material:

Insulator: Thermoplastic, Glass Filled, UL94V-0
Contacts: Brass, Tin & Gold plating
Operating Temperature: -55°C~+105°C

Electrical:

Current Rating: 3.0A Max.
Voltage Rating: 250V AC/rms, 60Hz
Contact Resistance: 20MΩ Max. @1.0A
Insulation Resistance: 5,000MΩ at 500V DC
Dielectric Voltage: 250V AC/rms, 60Hz for 1 minute

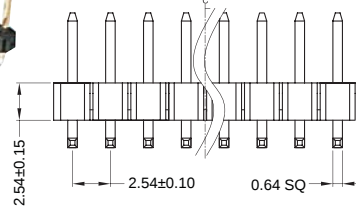
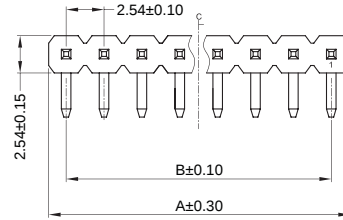
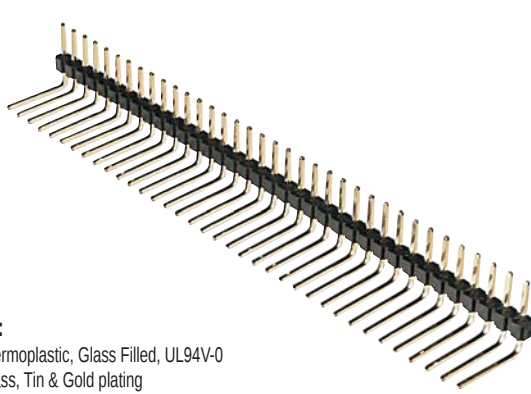


*Additional pin lengths available: 9.2 MM±0.3MM, 11.8 MM±0.3MM, 12.4 MM±0.3MM, 13.6 MM±0.3MM & 21.1MM±0.3MM Unit: MM

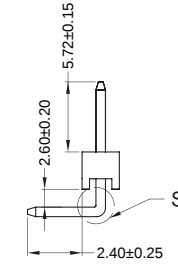
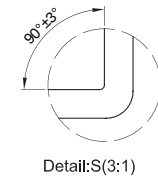
NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B
AW140-11.2-G02-R	2	Gold	5.08	2.54	AW140-11.2-Z02-R	2	Tin	5.08	2.54
AW140-11.2-G03-R	3	Gold	7.62	5.08	AW140-11.2-Z03-R	3	Tin	7.62	5.08
AW140-11.2-G04-R	4	Gold	10.16	7.62	AW140-11.2-Z04-R	4	Tin	10.16	7.62
AW140-11.2-G05-R	5	Gold	12.70	10.16	AW140-11.2-Z05-R	5	Tin	12.70	10.16
AW140-11.2-G06-R	6	Gold	15.24	12.70	AW140-11.2-Z06-R	6	Tin	15.24	12.70
AW140-11.2-G07-R	7	Gold	17.78	15.24	AW140-11.2-Z07-R	7	Tin	17.78	15.24
AW140-11.2-G08-R	8	Gold	20.32	17.78	AW140-11.2-Z08-R	8	Tin	20.32	17.78
AW140-11.2-G09-R	9	Gold	22.86	20.32	AW140-11.2-Z09-R	9	Tin	22.86	20.32
AW140-11.2-G10-R	10	Gold	25.40	22.86	AW140-11.2-Z10-R	10	Tin	25.40	22.86
AW140-11.2-G11-R	11	Gold	27.94	25.40	AW140-11.2-Z11-R	11	Tin	27.94	25.40
AW140-11.2-G12-R	12	Gold	30.48	27.94	AW140-11.2-Z12-R	12	Tin	30.48	27.94
AW140-11.2-G13-R	13	Gold	33.02	30.48	AW140-11.2-Z13-R	13	Tin	33.02	30.48
AW140-11.2-G14-R	14	Gold	35.56	33.02	AW140-11.2-Z14-R	14	Tin	35.56	33.02
AW140-11.2-G15-R	15	Gold	38.10	35.56	AW140-11.2-Z15-R	15	Tin	38.10	35.56
AW140-11.2-G16-R	16	Gold	40.64	38.10	AW140-11.2-Z16-R	16	Tin	40.64	38.10
AW140-11.2-G17-R	17	Gold	43.18	40.64	AW140-11.2-Z17-R	17	Tin	43.18	40.64
AW140-11.2-G18-R	18	Gold	45.72	43.18	AW140-11.2-Z18-R	18	Tin	45.72	43.18
AW140-11.2-G19-R	19	Gold	48.26	45.72	AW140-11.2-Z19-R	19	Tin	48.26	45.72
AW140-11.2-G20-R	20	Gold	50.80	48.26	AW140-11.2-Z20-R	20	Tin	50.80	48.26
AW140-11.2-G21-R	21	Gold	53.34	50.80	AW140-11.2-Z21-R	21	Tin	53.34	50.80
AW140-11.2-G22-R	22	Gold	55.88	53.34	AW140-11.2-Z22-R	22	Tin	55.88	53.34
AW140-11.2-G23-R	23	Gold	58.42	55.88	AW140-11.2-Z23-R	23	Tin	58.42	55.88
AW140-11.2-G24-R	24	Gold	60.96	58.42	AW140-11.2-Z24-R	24	Tin	60.96	58.42
AW140-11.2-G25-R	25	Gold	63.50	60.96	AW140-11.2-Z25-R	25	Tin	63.50	60.96
AW140-11.2-G26-R	26	Gold	66.04	63.50	AW140-11.2-Z26-R	26	Tin	66.04	63.50
AW140-11.2-G27-R	27	Gold	68.58	66.04	AW140-11.2-Z27-R	27	Tin	68.58	66.04
AW140-11.2-G28-R	28	Gold	71.12	68.58	AW140-11.2-Z28-R	28	Tin	71.12	68.58
AW140-11.2-G29-R	29	Gold	73.66	71.12	AW140-11.2-Z29-R	29	Tin	73.66	71.12
AW140-11.2-G30-R	30	Gold	76.20	73.66	AW140-11.2-Z30-R	30	Tin	76.20	73.66
AW140-11.2-G31-R	31	Gold	78.74	76.20	AW140-11.2-Z31-R	31	Tin	78.74	76.20
AW140-11.2-G32-R	32	Gold	81.28	78.74	AW140-11.2-Z32-R	32	Tin	81.28	78.74
AW140-11.2-G33-R	33	Gold	83.82	81.28	AW140-11.2-Z33-R	33	Tin	83.82	81.28
AW140-11.2-G34-R	34	Gold	86.36	83.82	AW140-11.2-Z34-R	34	Tin	86.36	83.82
AW140-11.2-G35-R	35	Gold	88.90	86.36	AW140-11.2-Z35-R	35	Tin	88.90	86.36
AW140-11.2-G36-R	36	Gold	91.44	88.90	AW140-11.2-Z36-R	36	Tin	91.44	88.90
AW140-11.2-G37-R	37	Gold	93.98	91.44	AW140-11.2-Z37-R	37	Tin	93.98	91.44
AW140-11.2-G38-R	38	Gold	96.52	93.98	AW140-11.2-Z38-R	38	Tin	96.52	93.98
AW140-11.2-G39-R	39	Gold	99.06	96.52	AW140-11.2-Z39-R	39	Tin	99.06	96.52
AW140-11.2-G40-R	40	Gold	101.60	99.06	AW140-11.2-Z40-R	40	Tin	101.60	99.06

Right Angled Pin Header, Single row, 2.54MM pin length, 2.54MM pitch, 2-40 contacts



PCB Layout



Material:

Insulator: Thermoplastic, Glass Filled, UL94V-0
Contacts: Brass, Tin & Gold plating
Operating Temperature: -55°C~+105°C

Electrical:

Current Rating: 3.0A Max.
Voltage Rating: 250V AC/rms, 60Hz
Contact Resistance: 20MΩ Max. @1.0A
Insulation Resistance: 5,000MΩ at 500V DC
Dielectric Voltage: 250V AC/rms, 60Hz for 1 minute



*Additional pin lengths available: 5.08MM±0.3MM & 10.19MM±0.3MM

Unit: MM

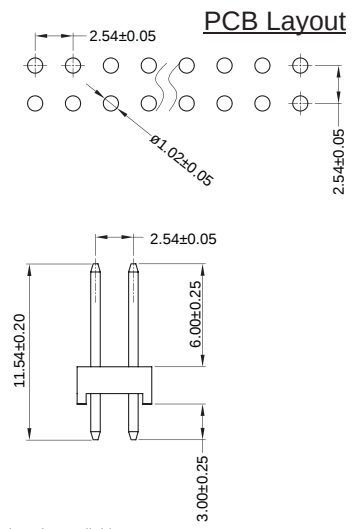
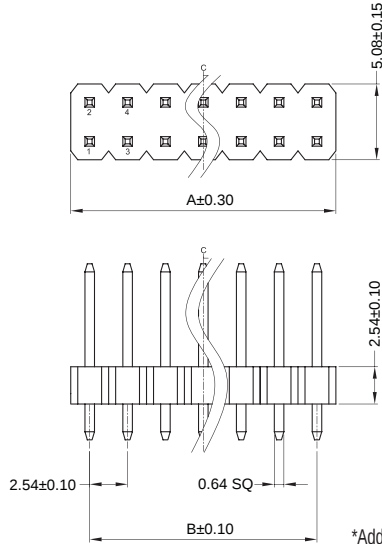
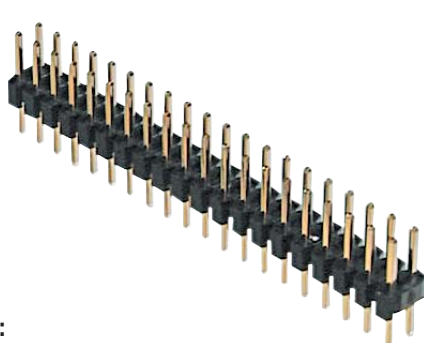
NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B
AW140A-13-G02-R	2	Gold	5.08	2.54	AW140A-13-Z02-R	2	Tin	5.08	2.54
AW140A-13-G03-R	3	Gold	7.62	5.08	AW140A-13-Z03-R	3	Tin	7.62	5.08
AW140A-13-G04-R	4	Gold	10.16	7.62	AW140A-13-Z04-R	4	Tin	10.16	7.62
AW140A-13-G05-R	5	Gold	12.70	10.16	AW140A-13-Z05-R	5	Tin	12.70	10.16
AW140A-13-G06-R	6	Gold	15.24	12.70	AW140A-13-Z06-R	6	Tin	15.24	12.70
AW140A-13-G07-R	7	Gold	17.78	15.24	AW140A-13-Z07-R	7	Tin	17.78	15.24
AW140A-13-G08-R	8	Gold	20.32	17.78	AW140A-13-Z08-R	8	Tin	20.32	17.78
AW140A-13-G09-R	9	Gold	22.86	20.32	AW140A-13-Z09-R	9	Tin	22.86	20.32
AW140A-13-G10-R	10	Gold	25.40	22.86	AW140A-13-Z10-R	10	Tin	25.40	22.86
AW140A-13-G11-R	11	Gold	27.94	25.40	AW140A-13-Z11-R	11	Tin	27.94	25.40
AW140A-13-G12-R	12	Gold	30.48	27.94	AW140A-13-Z12-R	12	Tin	30.48	27.94
AW140A-13-G13-R	13	Gold	33.02	30.48	AW140A-13-Z13-R	13	Tin	33.02	30.48
AW140A-13-G14-R	14	Gold	35.56	33.02	AW140A-13-Z14-R	14	Tin	35.56	33.02
AW140A-13-G15-R	15	Gold	38.10	35.56	AW140A-13-Z15-R	15	Tin	38.10	35.56
AW140A-13-G16-R	16	Gold	40.64	38.10	AW140A-13-Z16-R	16	Tin	40.64	38.10
AW140A-13-G17-R	17	Gold	43.18	40.64	AW140A-13-Z17-R	17	Tin	43.18	40.64
AW140A-13-G18-R	18	Gold	45.72	43.18	AW140A-13-Z18-R	18	Tin	45.72	43.18
AW140A-13-G19-R	19	Gold	48.26	45.72	AW140A-13-Z19-R	19	Tin	48.26	45.72
AW140A-13-G20-R	20	Gold	50.80	48.26	AW140A-13-Z20-R	20	Tin	50.80	48.26
AW140A-13-G21-R	21	Gold	53.34	50.80	AW140A-13-Z21-R	21	Tin	53.34	50.80
AW140A-13-G22-R	22	Gold	55.88	53.34	AW140A-13-Z22-R	22	Tin	55.88	53.34
AW140A-13-G23-R	23	Gold	58.42	55.88	AW140A-13-Z23-R	23	Tin	58.42	55.88
AW140A-13-G24-R	24	Gold	60.96	58.42	AW140A-13-Z24-R	24	Tin	60.96	58.42
AW140A-13-G25-R	25	Gold	63.50	60.96	AW140A-13-Z25-R	25	Tin	63.50	60.96
AW140A-13-G26-R	26	Gold	66.04	63.50	AW140A-13-Z26-R	26	Tin	66.04	63.50
AW140A-13-G27-R	27	Gold	68.58	66.04	AW140A-13-Z27-R	27	Tin	68.58	66.04
AW140A-13-G28-R	28	Gold	71.12	68.58	AW140A-13-Z28-R	28	Tin	71.12	68.58
AW140A-13-G29-R	29	Gold	73.66	71.12	AW140A-13-Z29-R	29	Tin	73.66	71.12
AW140A-13-G30-R	30	Gold	76.20	73.66	AW140A-13-Z30-R	30	Tin	76.20	73.66
AW140A-13-G31-R	31	Gold	78.74	76.20	AW140A-13-Z31-R	31	Tin	78.74	76.20
AW140A-13-G32-R	32	Gold	81.28	78.74	AW140A-13-Z32-R	32	Tin	81.28	78.74
AW140A-13-G33-R	33	Gold	83.82	81.28	AW140A-13-Z33-R	33	Tin	83.82	81.28
AW140A-13-G34-R	34	Gold	86.36	83.82	AW140A-13-Z34-R	34	Tin	86.36	83.82
AW140A-13-G35-R	35	Gold	88.90	86.36	AW140A-13-Z35-R	35	Tin	88.90	86.36
AW140A-13-G36-R	36	Gold	91.44	88.90	AW140A-13-Z36-R	36	Tin	91.44	88.90
AW140A-13-G37-R	37	Gold	93.98	91.44	AW140A-13-Z37-R	37	Tin	93.98	91.44
AW140A-13-G38-R	38	Gold	96.52	93.98	AW140A-13-Z38-R	38	Tin	96.52	93.98
AW140A-13-G39-R	39	Gold	99.06	96.52	AW140A-13-Z39-R	39	Tin	99.06	96.52
AW140A-13-G40-R	40	Gold	101.60	99.06	AW140A-13-Z40-R	40	Tin	101.60	99.06

USB & IEEE
IDC & Flat Ribbon
IC, PLCC, Pin & Jumpers
DSUB & Centronics
Waterproof
DVI & HDMI
Modular
Fiber-Optic
Power Cords
Wire to Board
SATA & eSATA
FFC/FFC
MiniDIN & Audio
KVM Cables

PIN HEADERS

Straight Pin Header, Double row, 11.54MM pin length, 2.54MM pitch, 2-40 contacts



Material:

Insulator: Thermoplastic, Glass Filled, UL94V-0
Contacts: Brass, Tin & Gold plating
Operating Temperature: -55°C~+105°C

Electrical:

Current Rating: 3.0A Max.
Voltage Rating: 250V AC/rms, 60Hz
Contact Resistance: 20MΩ Max. @1.0A
Insulation Resistance: 5,000MΩ at 500V DC
Dielectric Voltage: 250V AC/rms, 60Hz for 1 minute



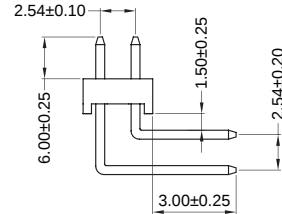
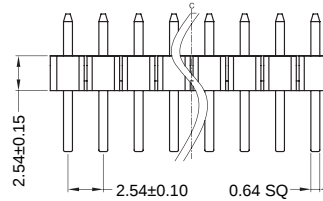
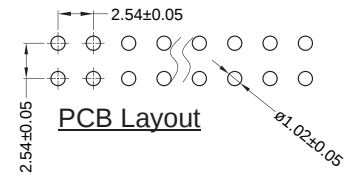
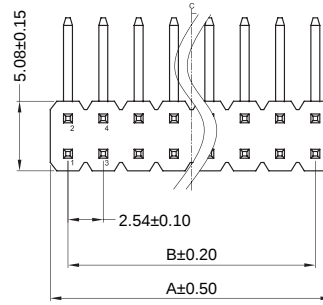
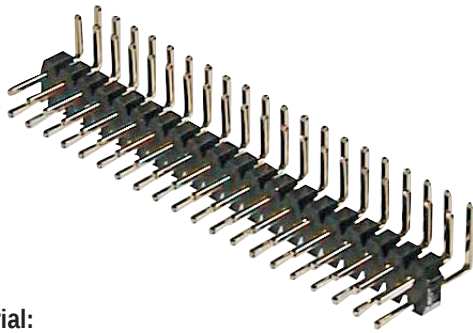
*Additional pin lengths available: 11.8MM±0.3MM & 12.4MM±0.3MM

Unit: MM

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Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B
AWL254D-G-G-02-D-R	2	Gold	5.08	2.54	AWL254D-G-Z-02-D-R	2	Tin	5.08	2.54
AWL254D-G-G-03-D-R	3	Gold	7.62	5.08	AWL254D-G-Z-03-D-R	3	Tin	7.62	5.08
AWL254D-G-G-04-D-R	4	Gold	10.16	7.62	AWL254D-G-Z-04-D-R	4	Tin	10.16	7.62
AWL254D-G-G-05-D-R	5	Gold	12.70	10.16	AWL254D-G-Z-05-D-R	5	Tin	12.70	10.16
AWL254D-G-G-06-D-R	6	Gold	15.24	12.70	AWL254D-G-Z-06-D-R	6	Tin	15.24	12.70
AWL254D-G-G-07-D-R	7	Gold	17.78	15.24	AWL254D-G-Z-07-D-R	7	Tin	17.78	15.24
AWL254D-G-G-08-D-R	8	Gold	20.32	17.78	AWL254D-G-Z-08-D-R	8	Tin	20.32	17.78
AWL254D-G-G-09-D-R	9	Gold	22.86	20.32	AWL254D-G-Z-09-D-R	9	Tin	22.86	20.32
AWL254D-G-G-10-D-R	10	Gold	25.40	22.86	AWL254D-G-Z-10-D-R	10	Tin	25.40	22.86
AWL254D-G-G-11-D-R	11	Gold	27.94	25.40	AWL254D-G-Z-11-D-R	11	Tin	27.94	25.40
AWL254D-G-G-12-D-R	12	Gold	30.48	27.94	AWL254D-G-Z-12-D-R	12	Tin	30.48	27.94
AWL254D-G-G-13-D-R	13	Gold	33.02	30.48	AWL254D-G-Z-13-D-R	13	Tin	33.02	30.48
AWL254D-G-G-14-D-R	14	Gold	35.56	33.02	AWL254D-G-Z-14-D-R	14	Tin	35.56	33.02
AWL254D-G-G-15-D-R	15	Gold	38.10	35.56	AWL254D-G-Z-15-D-R	15	Tin	38.10	35.56
AWL254D-G-G-16-D-R	16	Gold	40.64	38.10	AWL254D-G-Z-16-D-R	16	Tin	40.64	38.10
AWL254D-G-G-17-D-R	17	Gold	43.18	40.64	AWL254D-G-Z-17-D-R	17	Tin	43.18	40.64
AWL254D-G-G-18-D-R	18	Gold	45.72	43.18	AWL254D-G-Z-18-D-R	18	Tin	45.72	43.18
AWL254D-G-G-19-D-R	19	Gold	48.26	45.72	AWL254D-G-Z-19-D-R	19	Tin	48.26	45.72
AWL254D-G-G-20-D-R	20	Gold	50.80	48.26	AWL254D-G-Z-20-D-R	20	Tin	50.80	48.26
AWL254D-G-G-21-D-R	21	Gold	53.34	50.80	AWL254D-G-Z-21-D-R	21	Tin	53.34	50.80
AWL254D-G-G-22-D-R	22	Gold	55.88	53.34	AWL254D-G-Z-22-D-R	22	Tin	55.88	53.34
AWL254D-G-G-23-D-R	23	Gold	58.42	55.88	AWL254D-G-Z-23-D-R	23	Tin	58.42	55.88
AWL254D-G-G-24-D-R	24	Gold	60.96	58.42	AWL254D-G-Z-24-D-R	24	Tin	60.96	58.42
AWL254D-G-G-25-D-R	25	Gold	63.50	60.96	AWL254D-G-Z-25-D-R	25	Tin	63.50	60.96
AWL254D-G-G-26-D-R	26	Gold	66.04	63.50	AWL254D-G-Z-26-D-R	26	Tin	66.04	63.50
AWL254D-G-G-27-D-R	27	Gold	68.58	66.04	AWL254D-G-Z-27-D-R	27	Tin	68.58	66.04
AWL254D-G-G-28-D-R	28	Gold	71.12	68.58	AWL254D-G-Z-28-D-R	28	Tin	71.12	68.58
AWL254D-G-G-29-D-R	29	Gold	73.66	71.12	AWL254D-G-Z-29-D-R	29	Tin	73.66	71.12
AWL254D-G-G-30-D-R	30	Gold	76.20	73.66	AWL254D-G-Z-30-D-R	30	Tin	76.20	73.66
AWL254D-G-G-31-D-R	31	Gold	78.74	76.20	AWL254D-G-Z-31-D-R	31	Tin	78.74	76.20
AWL254D-G-G-32-D-R	32	Gold	81.28	78.74	AWL254D-G-Z-32-D-R	32	Tin	81.28	78.74
AWL254D-G-G-33-D-R	33	Gold	83.82	81.28	AWL254D-G-Z-33-D-R	33	Tin	83.82	81.28
AWL254D-G-G-34-D-R	34	Gold	86.36	83.82	AWL254D-G-Z-34-D-R	34	Tin	86.36	83.82
AWL254D-G-G-35-D-R	35	Gold	88.90	86.36	AWL254D-G-Z-35-D-R	35	Tin	88.90	86.36
AWL254D-G-G-36-D-R	36	Gold	91.44	88.90	AWL254D-G-Z-36-D-R	36	Tin	91.44	88.90
AWL254D-G-G-37-D-R	37	Gold	93.98	91.44	AWL254D-G-Z-37-D-R	37	Tin	93.98	91.44
AWL254D-G-G-38-D-R	38	Gold	96.52	93.98	AWL254D-G-Z-38-D-R	38	Tin	96.52	93.98
AWL254D-G-G-39-D-R	39	Gold	99.06	96.52	AWL254D-G-Z-39-D-R	39	Tin	99.06	96.52
AWL254D-G-G-40-D-R	40	Gold	101.60	99.06	AWL254D-G-Z-40-D-R	40	Tin	101.60	99.06

Right Angled Pin Header, Double row, 2.54MM pitch, 2-40 contacts



Material:

Insulator: Thermoplastic, Glass Filled, UL94V-0
Contacts: Brass, Tin & Gold plating
Operating Temperature: -55°C~+105°C

Electrical:

Current Rating: 3.0A Max.
Voltage Rating: 250V AC/rms, 60Hz
Contact Resistance: 20mΩ Max. @1.0A
Insulation Resistance: 5,000MΩ at 500V DC
Dielectric Voltage: 250V AC/rms, 60Hz for 1 minute



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Unit: MM

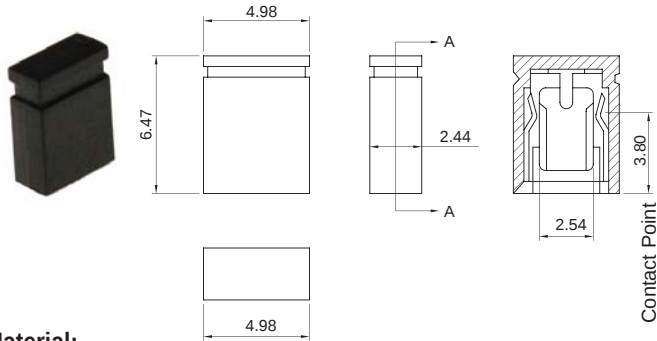
Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B	Assmann Part Number (Standard Stocking Item)	Contacts	Plating	Dim. A	Dim. B
AWL254D-A-G-02-D-R	2	Gold	5.08	2.54	AWL254D-A-Z-02-D-R	2	Tin	5.08	2.54
AWL254D-A-G-03-D-R	3	Gold	7.62	5.08	AWL254D-A-Z-03-D-R	3	Tin	7.62	5.08
AWL254D-A-G-04-D-R	4	Gold	10.16	7.62	AWL254D-A-Z-04-D-R	4	Tin	10.16	7.62
AWL254D-A-G-05-D-R	5	Gold	12.70	10.16	AWL254D-A-Z-05-D-R	5	Tin	12.70	10.16
AWL254D-A-G-06-D-R	6	Gold	15.24	12.70	AWL254D-A-Z-06-D-R	6	Tin	15.24	12.70
AWL254D-A-G-07-D-R	7	Gold	17.78	15.24	AWL254D-A-Z-07-D-R	7	Tin	17.78	15.24
AWL254D-A-G-08-D-R	8	Gold	20.32	17.78	AWL254D-A-Z-08-D-R	8	Tin	20.32	17.78
AWL254D-A-G-09-D-R	9	Gold	22.86	20.32	AWL254D-A-Z-09-D-R	9	Tin	22.86	20.32
AWL254D-A-G-10-D-R	10	Gold	25.40	22.86	AWL254D-A-Z-10-D-R	10	Tin	25.40	22.86
AWL254D-A-G-11-D-R	11	Gold	27.94	25.40	AWL254D-A-Z-11-D-R	11	Tin	27.94	25.40
AWL254D-A-G-12-D-R	12	Gold	30.48	27.94	AWL254D-A-Z-12-D-R	12	Tin	30.48	27.94
AWL254D-A-G-13-D-R	13	Gold	33.02	30.48	AWL254D-A-Z-13-D-R	13	Tin	33.02	30.48
AWL254D-A-G-14-D-R	14	Gold	35.56	33.02	AWL254D-A-Z-14-D-R	14	Tin	35.56	33.02
AWL254D-A-G-15-D-R	15	Gold	38.10	35.56	AWL254D-A-Z-15-D-R	15	Tin	38.10	35.56
AWL254D-A-G-16-D-R	16	Gold	40.64	38.10	AWL254D-A-Z-16-D-R	16	Tin	40.64	38.10
AWL254D-A-G-17-D-R	17	Gold	43.18	40.64	AWL254D-A-Z-17-D-R	17	Tin	43.18	40.64
AWL254D-A-G-18-D-R	18	Gold	45.72	43.18	AWL254D-A-Z-18-D-R	18	Tin	45.72	43.18
AWL254D-A-G-19-D-R	19	Gold	48.26	45.72	AWL254D-A-Z-19-D-R	19	Tin	48.26	45.72
AWL254D-A-G-20-D-R	20	Gold	50.80	48.26	AWL254D-A-Z-20-D-R	20	Tin	50.80	48.26
AWL254D-A-G-21-D-R	21	Gold	53.34	50.80	AWL254D-A-Z-21-D-R	21	Tin	53.34	50.80
AWL254D-A-G-22-D-R	22	Gold	55.88	53.34	AWL254D-A-Z-22-D-R	22	Tin	55.88	53.34
AWL254D-A-G-23-D-R	23	Gold	58.42	55.88	AWL254D-A-Z-23-D-R	23	Tin	58.42	55.88
AWL254D-A-G-24-D-R	24	Gold	60.96	58.42	AWL254D-A-Z-24-D-R	24	Tin	60.96	58.42
AWL254D-A-G-25-D-R	25	Gold	63.50	60.96	AWL254D-A-Z-25-D-R	25	Tin	63.50	60.96
AWL254D-A-G-26-D-R	26	Gold	66.04	63.50	AWL254D-A-Z-26-D-R	26	Tin	66.04	63.50
AWL254D-A-G-27-D-R	27	Gold	68.58	66.04	AWL254D-A-Z-27-D-R	27	Tin	68.58	66.04
AWL254D-A-G-28-D-R	28	Gold	71.12	68.58	AWL254D-A-Z-28-D-R	28	Tin	71.12	68.58
AWL254D-A-G-29-D-R	29	Gold	73.66	71.12	AWL254D-A-Z-29-D-R	29	Tin	73.66	71.12
AWL254D-A-G-30-D-R	30	Gold	76.20	73.66	AWL254D-A-Z-30-D-R	30	Tin	76.20	73.66
AWL254D-A-G-31-D-R	31	Gold	78.74	76.20	AWL254D-A-Z-31-D-R	31	Tin	78.74	76.20
AWL254D-A-G-32-D-R	32	Gold	81.28	78.74	AWL254D-A-Z-32-D-R	32	Tin	81.28	78.74
AWL254D-A-G-33-D-R	33	Gold	83.82	81.28	AWL254D-A-Z-33-D-R	33	Tin	83.82	81.28
AWL254D-A-G-34-D-R	34	Gold	86.36	83.82	AWL254D-A-Z-34-D-R	34	Tin	86.36	83.82
AWL254D-A-G-35-D-R	35	Gold	88.90	86.36	AWL254D-A-Z-35-D-R	35	Tin	88.90	86.36
AWL254D-A-G-36-D-R	36	Gold	91.44	88.90	AWL254D-A-Z-36-D-R	36	Tin	91.44	88.90
AWL254D-A-G-37-D-R	37	Gold	93.98	91.44	AWL254D-A-Z-37-D-R	37	Tin	93.98	91.44
AWL254D-A-G-38-D-R	38	Gold	96.52	93.98	AWL254D-A-Z-38-D-R	38	Tin	96.52	93.98
AWL254D-A-G-39-D-R	39	Gold	99.06	96.52	AWL254D-A-Z-39-D-R	39	Tin	99.06	96.52
AWL254D-A-G-40-D-R	40	Gold	101.60	99.06	AWL254D-A-Z-40-D-R	40	Tin	101.60	99.06

USB & IEEE
IDC & Flat Ribbon
IC, PLCC, Pin & Jumpers
DSub & Centronics
Waterproof
DVI & HDMI
Modular
Fiber-Optic
Power Cords
Wire to Board
SATA & eSATA
FFC/FFC
MiniDIN & Audio
KVM Cables

Jumpers, plugs for shorting and addressing, 2.54MM pitch

*Also available in Blue and Red colors

AKSCT - Closed Housing type



Material:

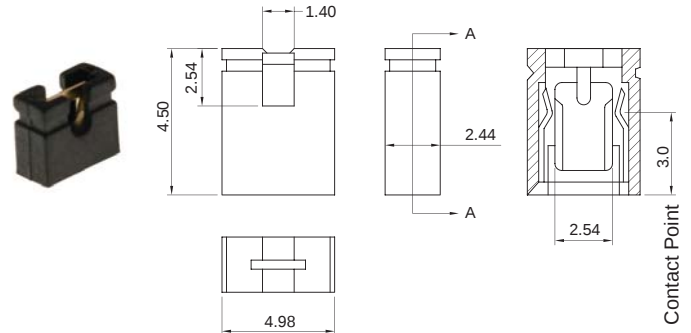
Insulation: Glass Filled PBT, UL94V-0
Contact: Phosphor Bronze

Electrical:

Current Rating: 3.0A Max.
Contact Resistance: 30MΩ Max.
Insulation Resistance: 1,000MΩ Min.
Dielectric Voltage: 1,000 V rms at 1 minute
Operating & Storage Temperature: -40°C~+105°C



AKSNT - Low Profile type



Material:

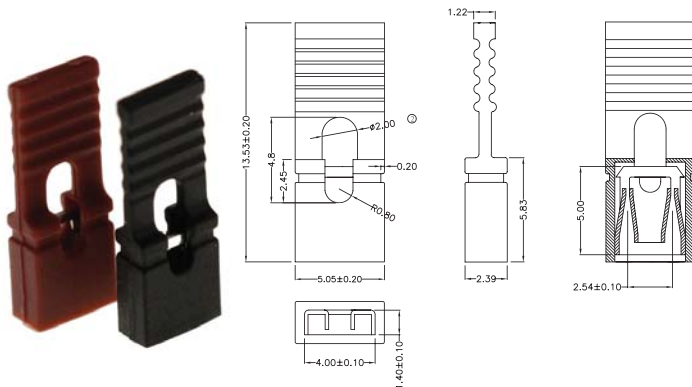
Insulation: 30% Glass Filled PBT, UL94V-0
Contact: Brass

Electrical:

Current Rating: 3.0A Max.
Contact Resistance: 30MΩ Max.
Insulation Resistance: 1,000MΩ Min.
Dielectric Voltage: 1,000 V rms at 1 minute
Operating & Storage Temperature: -40°C~+105°C



AKSPLT - With Removal Grip



Material:

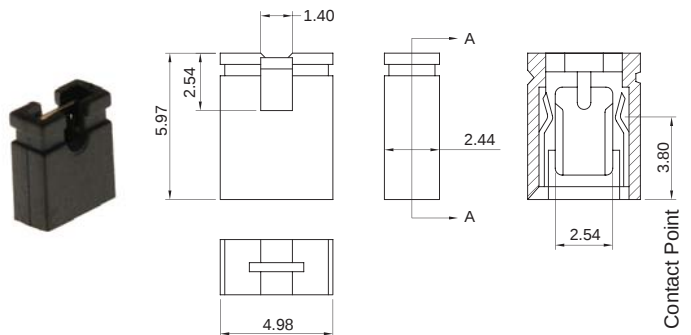
Insulation: Nylon 66, UL94V-0
Contact: Brass

Electrical:

Current Rating: 3.0A Max.
Contact Resistance: 30MΩ Max.
Insulation Resistance: 1,000MΩ Min.
Dielectric Voltage: 1,000 V rms at 1 minute
Operating & Storage Temperature: -40°C~+105°C



AKSPT - With Test Slot



Material:

Insulation: 30% Glass Filled PBT, UL94V-0
Contact: Phosphor Bronze

Electrical:

Current Rating: 3.0A Max.
Contact Resistance: 30MΩ Max.
Insulation Resistance: 1,000MΩ Min.
Dielectric Voltage: 1,000 V rms at 1 minute
Operating & Storage Temperature: -40°C~+105°C



Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Contacts	Type	Color	Contact Plating	Assmann Part Number (Standard Stocking Item)	Contacts	Type	Color	Contact Plating
AKSCT-Z-BLK-R	Phosphor Bronze	Closed Housing	Black	Gold Flash	AKSNT-Z-BLK-R	Brass	Low Profile	Black	Gold Flash
AKSCT-G-BLK-30-R	Phosphor Bronze	Closed Housing	Black	30μ"	AKSNT-G-BLK-30-R	Brass	Low Profile	Black	30μ"
AKSCT-G-BLK-50-R	Phosphor Bronze	Closed Housing	Black	50μ"	AKSNT-G-BLK-50-R	Brass	Low Profile	Black	50μ"
AKSPLT-Z-BLK-R	Brass	With Removal Grip	Black	Gold Flash	AKSPT-Z-BLK-R	Phosphor Bronze	With Test Slot	Black	Gold Flash
AKSPLT-G-BLK-30-R	Brass	With Removal Grip	Black	30μ"	AKSPT-G-BLK-30-R	Phosphor Bronze	With Test Slot	Black	30μ"
AKSPLT-G-BLK-50-R	Brass	With Removal Grip	Black	50μ"	AKSPT-G-BLK-50-R	Phosphor Bronze	With Test Slot	Black	50μ"