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для печатных плат, стоек и панелей
Технические характеристики

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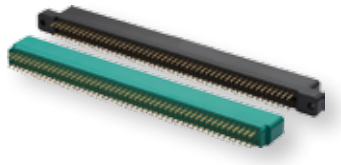
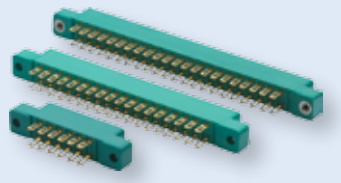
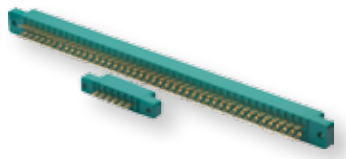
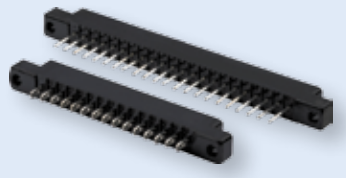
Edgeboard/Rack and Panel Connectors

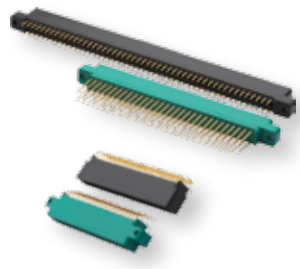
CUSTOM CONNECTOR CAPABILITIES

Vishay's experience in Program Management makes the Company an ideal vendor for custom connectors. Vishay's experience in preparing milestone charts, statements of work, test programs, etc., can be of great assistance to the end customer. Whether the connectors are built to exact specifications or designed from the start, the program will be handled quickly and efficiently by Vishay's highly qualified engineering and production staff. Vishay provides quick turnaround on quotes and sample orders. Products requiring safety agency approval such as UL, CSA, etc., can be designed by Vishay.

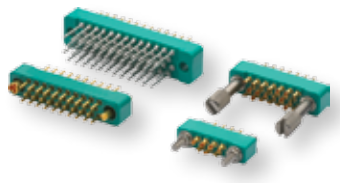
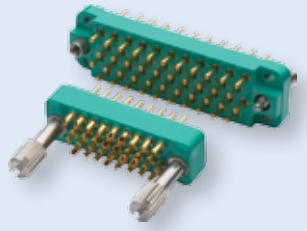
Edgeboard Connectors

Series/ Part Number	Features	Product
EB4 Dual Readout	• 0.100 [2.54] C-C contact spacing x 0.200 [5.08] row spacing • 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 50, or 60 contacts available per side: polarization between contact positions • Bifurcated cantilever contacts • Selective plating available • 5 mounting styles and 3 body materials (diallyl phthalate, phenolic, glass-reinforced polyester) provide greater design latitude • Right-angle terminals available • Wire-wrap and dip-solder terminals available • UL-recognized	
EB8 Dual Readout	• 0.156 [3.96] C-C contact spacing • 6, 10, 12, 15, 18, 22, 24, or 25 contacts available per side: polarization between contact positions • Bifurcated bellows contacts • 6 contact termination styles • Selective plating available • 7 mounting styles and 3 body materials (diallyl phthalate, phenolic, glass-reinforced polyester) provide greater design latitude • Accepts circuit board thicknesses from 0.054 [1.37] to 0.071 [1.80] • UL-recognized	
EB7 Single or Dual Readout	• 0.156 [3.96] C-C contact spacing • 6, 10, 15, 18, 22, 36, or 43 contacts available per side: polarization between contact positions • Bifurcated bellows contacts • 7 mounting styles and 3 body materials (diallyl phthalate, phenolic, glass-reinforced polyester) provide greater design latitude • Selective plating available • Accepts circuit board thicknesses from 0.054 [1.37] to 0.071 [1.80] • Polarizing key is reinforced polyester; may be inserted by hand; requires no adhesive • UL-recognized	
EBT156 Single Readout	• 0.156 [3.96] C-C contact spacing • 6, 10, 12, 15, 18, or 22 contacts: polarization on or between contact positions • Chamfered tuning fork contacts • Accepts circuit board thicknesses from 0.054 [1.37] to 0.071 [1.80] • Terminal configurations: eyelet, dip solder, and wire wrap • Eyelet and dip solder styles are UL-recognized	

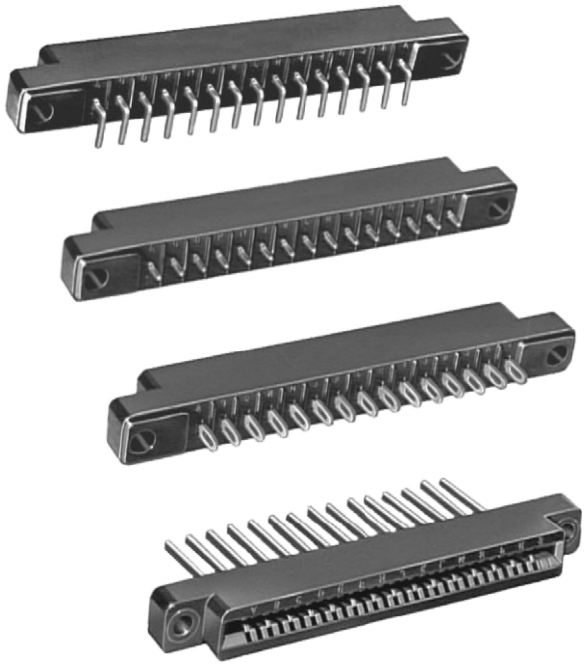
Edgeboard Connectors (cont.)

Series/ Part Number	Features	Product
EB6 Dual Readout	• 0.125 [3.17] C-C contact spacing x 2.5 [6.35] row spacing • 6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, or 50 contacts available per side: polarization between contact positions • Bifurcated bellows contacts • Selective plating available • 5 mounting styles and 3 body materials (diallyl phthalate, phenolic, glass-reinforced polyester) provide greater design latitude • Right-angle terminals available • Wire-wrap and dip-solder terminals available • UL-recognized	

Rack and Panel Connectors

Series/ Part Number	Features	Product
MM22	• 22-gauge contacts • 5-amp current rating • 5 to 50 contacts available • QPL approved • Meets or exceeds requirements of MIL-C-28748 • Available with closed-entry socket contacts • Polarizing hardware in standard guides or fixed and turnable screw locks • Available with an assortment of hoods and cable clamp accessories • Best suited for airborne, instrumentation, and portable equipment • Available with gold-plated contacts in a wide range of plating thicknesses • Solder-cup or dip-solder terminations	
SM20	• 20-gauge contacts • 7.5-amp current rating • 5 to 75 contacts available • Meets or exceeds requirements of MIL-C-28748 • Available with closed-entry socket contacts • Polarizing hardware in standard guides or fixed and turnable screw locks • Best suited for airborne applications, instrumentation, and portable equipment • Available with gold-plated contacts in a wide range of plating thicknesses • Solder-cup or dip-solder terminations	

Edgeboard Connectors, Single Readout, Dip Solder, Eyelet and Wire Wrap™ Termination



FEATURES

- 0.156" (3.96 mm) C-C
- Modified tuning fork contacts have chamfered lead-in to reduce wear on printed circuit board contacts without sacrificing contact pressure and wiping action
- Accepts PC board thickness of 0.054" to 0.070" (1.37 mm to 1.78 mm)
- Polarization on or between contact positions in all sizes. Between contact polarization permits polarizing without loss of a contact position
- Polarizing key is reinforced nylon, may be inserted by hand, requires no adhesive
- Protected entry, provided by recessed leading edge of contact, permits the card slot to straighten and align the board before electrical contact is made. Prevents damage to contacts which might be caused by warped or out of tolerance boards
- Optional terminal configurations, including eyelet (type A), dip-solder (types B, C, D, R), Wire Wrap™ (types E, F)

ELECTRICAL SPECIFICATIONS

Current Rating: 5 A

Test Voltage Between Contacts:
at sea level: 1800 V_{RMS}
At 70 000 feet (21 336 meters): 450 V_{RMS}

Insulation Resistance: 5000 MΩ minimum (at 500 V_{DC} potential)

Contact Resistance: (voltage drop) 30 mV maximum at rated current with gold flash

PHYSICAL SPECIFICATIONS

Number of Contacts: 6, 10, 12, 15, 18, or 22

Contact Spacing: 0.156" (3.96 mm)

Card Thickness: 0.054" to 0.070" (1.37 mm to 1.78 mm)

Card Slot Depth: 0.330" (8.38 mm)

APPLICATIONS

For use with 0.062" (1.57 mm) printed circuit boards requiring an edgeboard type connector on 0.156" (3.96 mm) centers

MATERIAL SPECIFICATIONS

Body: glass-filled phenolic per MIL-M-14, type MFH, black, flame retardant (UL 94 V-0)

Contacts: copper alloy

Finish: 1 = electro tin plated, 2 = gold flash

Polarizing Key: glass-filled nylon

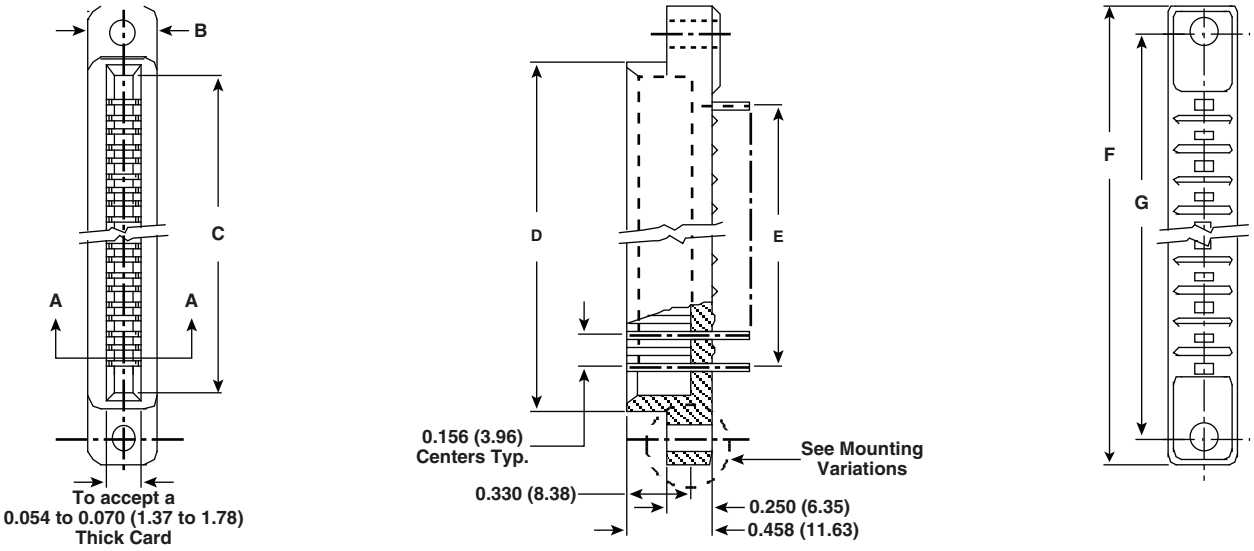
Optional Threaded Mounting Insert: nickel plated brass (type Y)

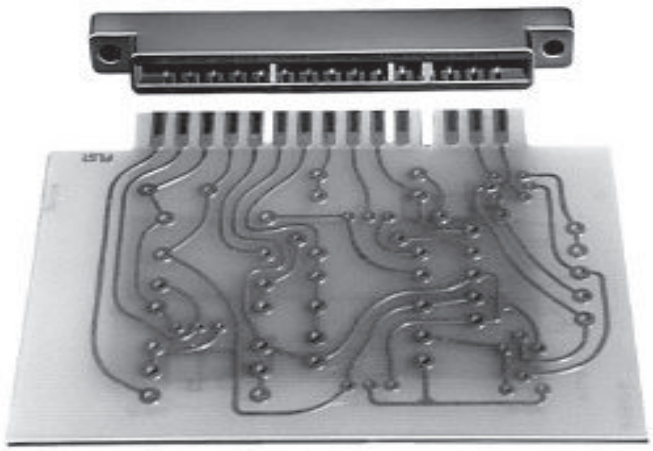
Optional Floating Mounting Bushing: cadmium plated brass (type Z)

ORDERING INFORMATION

EBT156	10	A	1	X	A, J	A9, J9
MODEL	CONTACTS	STANDARD TERMINAL VARIATIONS	CONTACT FINISH	MOUNTING VARIATIONS	BETWEEN CONTACT POLARIZATION	ON CONTACT POLARIZATION
	6, 10, 12, 15, 18, or 22	A, B, C, D, E, F, or R	1 = Electro tin plated 2 = Gold flash	W, X, Y, or Z		Required **only** when polarizing key(s) are to be **factory installed**. Polarization key replaces contact. When polarizing key(s) replaces contact(s), indicate by adding suffix "9" to contact position(s) desired. Example: **A9, J9** means keys replace terminals **A and J**
			Required **only** when polarizing key(s) are to be **factory installed**. Polarization key positions: Between contact polarization key(s) are located to the right of the contact position(s) desired. Example: **A, J** means keys between **A and B**, and **J and K**			

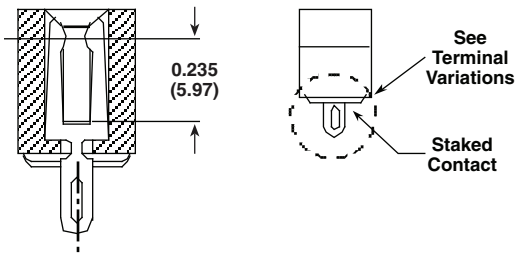
DIMENSIONS in inches (millimeters)





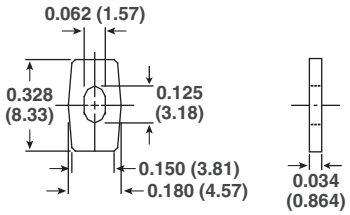
Between contact or on contact polarization available in all sizes for factory or field insertion.

Section A to A:



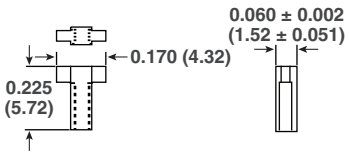
Polarizing Key:

PK156



Between Contact Polarizing Key

PKC156



On Contact Polarizing Key
(Field Insertable)

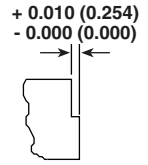
When ordering polarizing keys individually, specify by Model Number PK156 or PKC156

# OF CONTACT POSITIONS	B	C	D	E	F	G
6	0.340 (8.64)	1.10 (27.94)	1.24 (31.50)	0.781 (19.84)	1.80 (45.72)	1.53 (38.86)
10	0.340 (8.64)	1.72 (43.69)	1.86 (47.24)	1.41 (35.81)	2.43 (61.72)	2.16 (54.86)
12	0.340 (8.64)	2.04 (51.82)	2.18 (55.37)	1.72 (43.69)	2.74 (69.60)	2.47 (62.74)

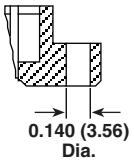
DIMENSIONS in inches (millimeters)						
15	0.340 (8.64)	2.50 (63.50)	2.65 (67.31)	2.19 (55.63)	3.21 (81.53)	2.94 (74.68)
18	0.340 (8.64)	2.97 (75.44)	3.11 (78.99)	2.66 (67.56)	3.68 (93.47)	3.41 (86.61)
22	0.340 (8.64)	3.60 (91.44)	3.74 (95.0)	3.28 (83.31)	4.30 (109.22)	4.03 (102.36)

MOUNTING VARIATIONS in inches (millimeters)

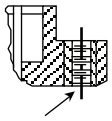
Type "W"
No Mounting Flange



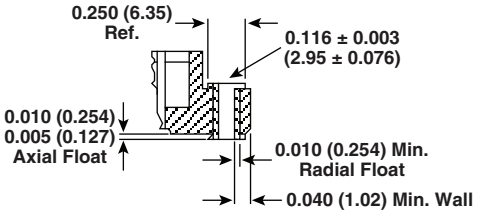
Type "X"
Clearance Hole



Type "Y"
Threaded Insert

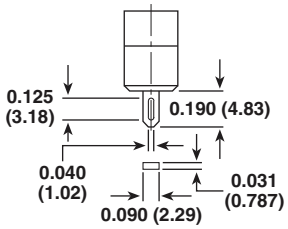


Type "Z"
Floating Bushing

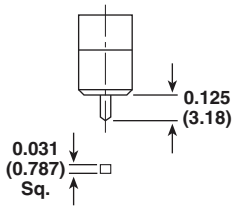


TERMINAL VARIATIONS in inches (millimeters)

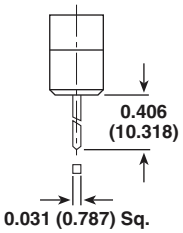
Type "A"



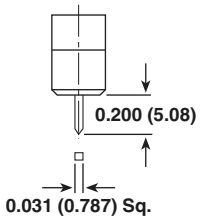
Type "B"



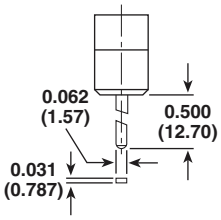
Type "C"



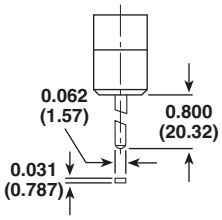
Type "D"



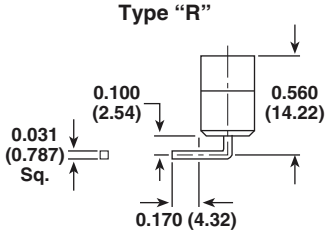
Type "E"



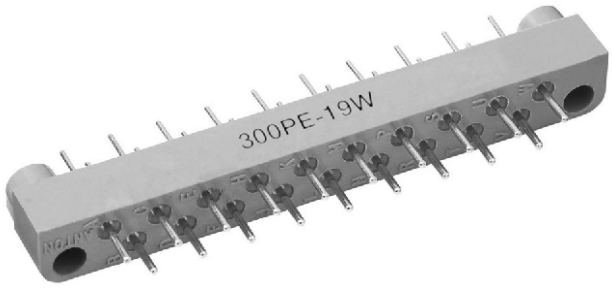
Type "F"



Type "R"



Printed Circuit Dip Solder Connector



FEATURES

- Right angle or straight through dip solder terminals
- Threaded mounting studs
- Male contacts molded in
- Mating connector has solder cup or dip solder terminals
- Female contacts float to aid in alignment and resist vibration
- Permanent mounting provides greater reliability
- Polarization provided by contact arrangement and guide pin location
- Meets applicable paragraphs of MIL-C-55302

APPLICATIONS

Where permanent mounting of male connector to printed circuit board is required with mating female connector available.

MATERIAL SPECIFICATIONS

Contact Pin: Phosphor bronze

Contact Socket: Phosphor bronze

Contact Plating: Gold plated

Guide Pins: Stainless steel, passivated

Standard Body: Glass-filled diallyl phthalate per MIL-M-14, type SDG-F green. Other body material supplied upon request

ELECTRICAL SPECIFICATIONS

Current Rating: 7.5 A

Breakdown Voltage:
At sea level: 3600 V_{RMS}
At 70 000 feet: 975 V_{RMS}

PHYSICAL SPECIFICATIONS

Number of Contacts: 7, 15, 19 and 25

Contact Spacing: 0.250", staggered rows provide a 0.125" grid

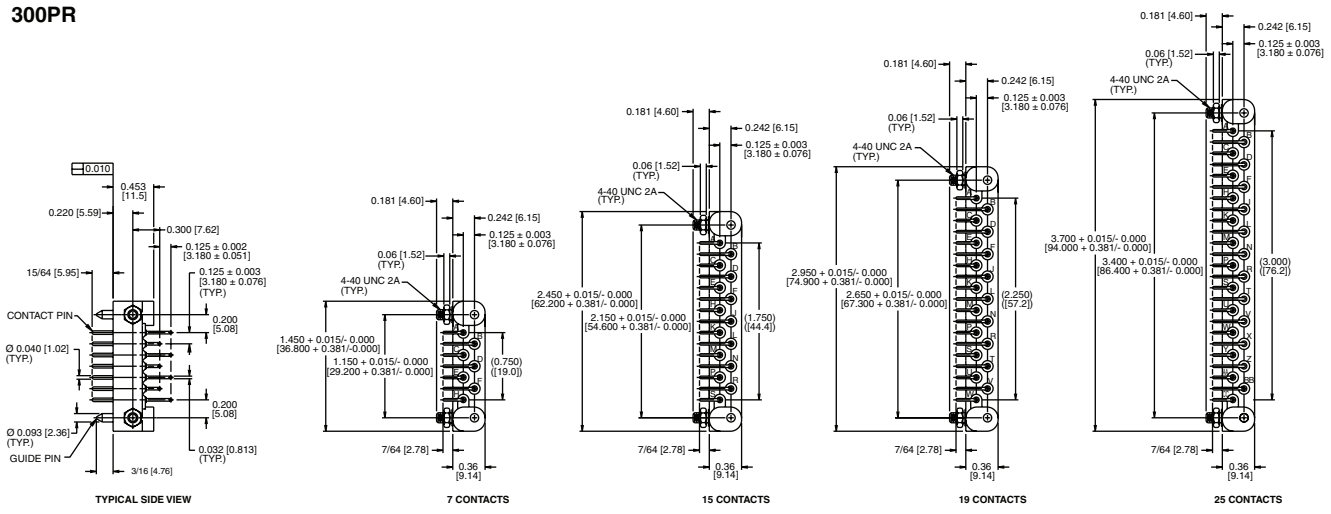
Contact Gauge: #20 AWG

Minimum Creepage Path between Contacts: 0.16"

Minimum Air Spacebetween Contacts: 0.11"

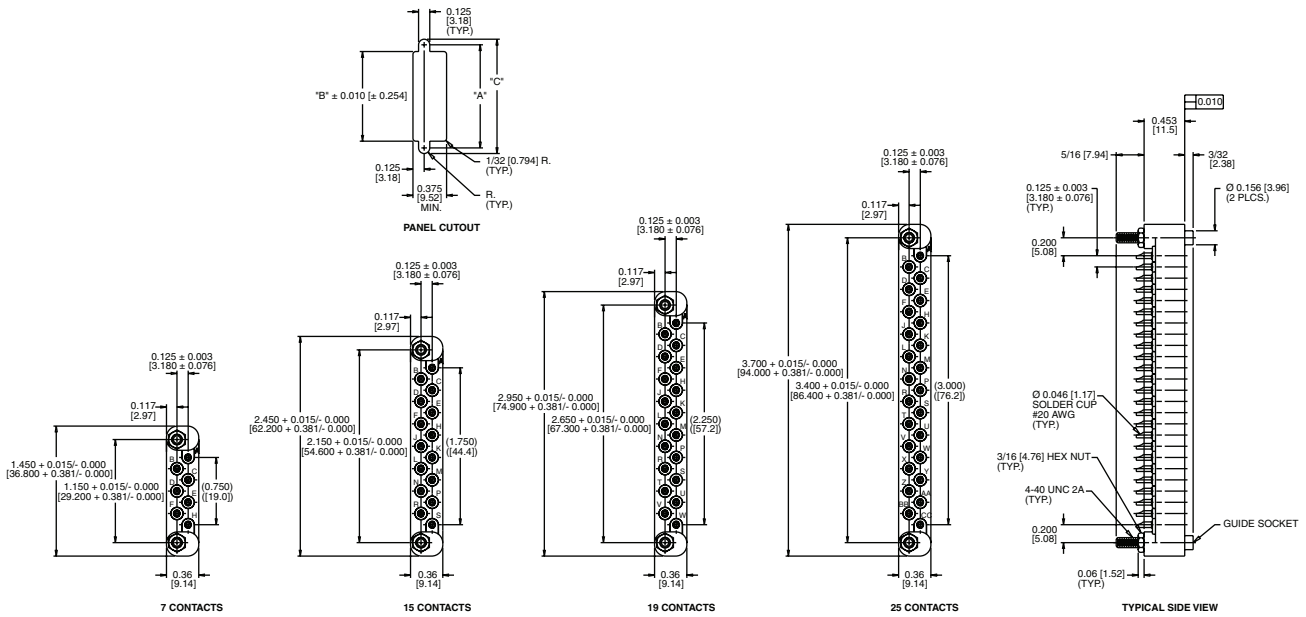
DIMENSIONS in inches (millimeters)

300PR

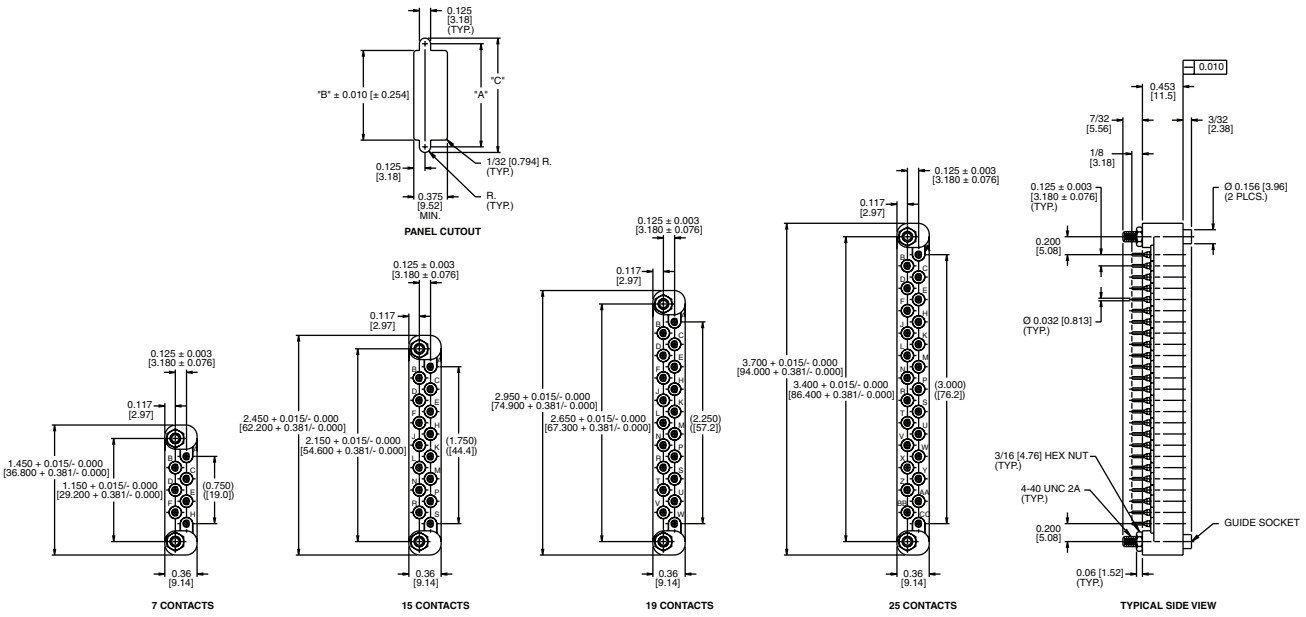


DIMENSIONS in inches (millimeters)

300S

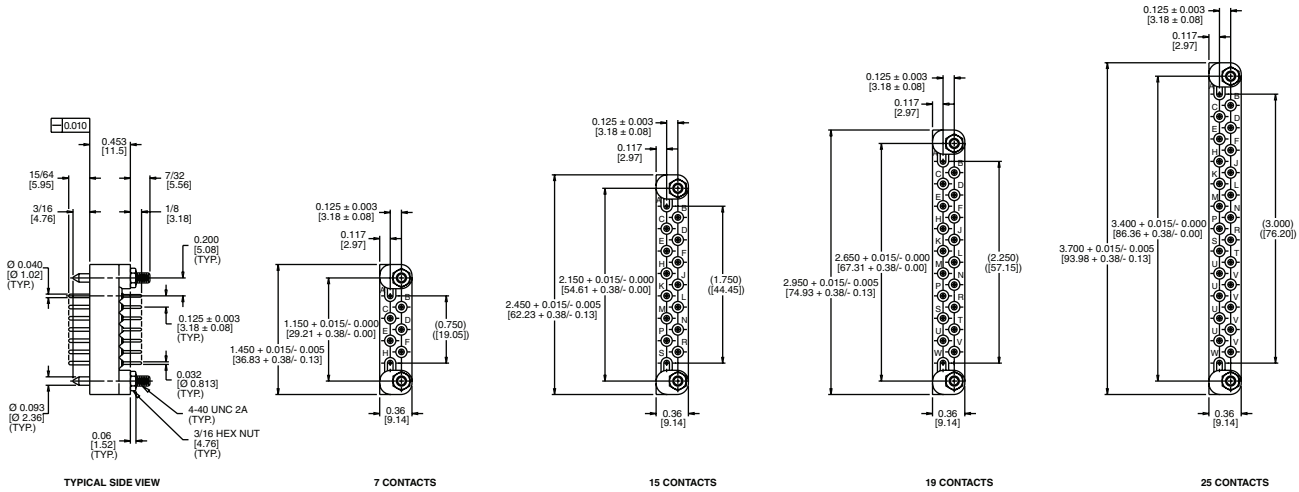


300SE



DIMENSIONS in inches (millimeters)

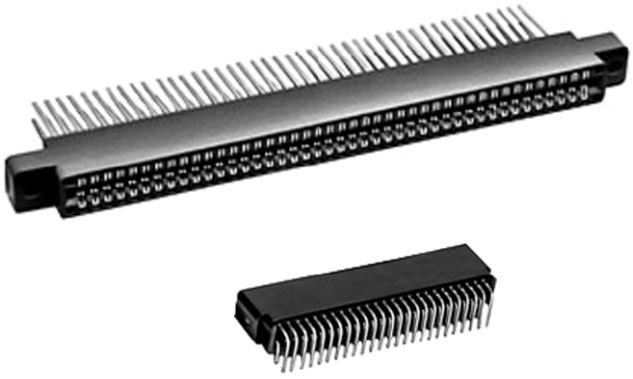
300PE



ORDERING INFORMATION

300	PR	-7	W
MODEL	CONTACTS	NUMBER OF CONTACTS	WITHOUT GUIDES
	S = Socket with solder cup PE = Pin with dip solder terminals SE = Socket with dip solder terminals PR = Pin with right angle dip solder terminals		(optional on S, PE, and SE models only)

Edgeboard Connectors, Dual Readout, 0.100" (2.54 mm) C-C, Standard and Right Angle Terminals



FEATURES

- Grid patterns: 0.100" C-C x 0.150" (2.54 mm x 3.81 mm) and 0.100" C-C x 0.200" (2.54 mm x 5.08 mm)
- Standard and right angle terminals
- Greater design latitude:
  body materials: glass-filled polyester and glass-filled polyphenylene sulfide
  7 contact termination styles - 3 standard, 4 right angle
  20 body sizes and 6 mounting styles
- Selective gold plating
- Accepts PC board thickness of 0.054" to 0.071" (1.37 mm to 1.80 mm)
- Polarization between contact positions in all sizes. Between contact polarization permits polarizing without loss of contact position

ELECTRICAL SPECIFICATIONS

Current Rating: 3 A

Test Voltage Between Contacts:
at sea level: 650 V_{RMS}
At 70 000 feet (21 336 meters): 275 V_{RMS}

Insulation Resistance: 5000 MΩ minimum at 500 V_{DC} potential

Contact Resistance: 30 mV maximum at rated current (with gold plating)

Operating Temperature: -65 °C to +125 °C

Humidity: 96 h at 90 % relative humidity at +40 °C, dried at room temperature for 3 h minimum, insulation resistance was greater than 5000 MΩ

Durability: after 500 cycles of insertion and withdrawal of a 0.070" (1.78 mm) thick steel test board, contact resistance less than 0.030 V at 3 A on gold plated contacts and individual contact pair separation force when measured with a 0.054" (1.37 mm) thick steel test blade was greater than ½ oz.

Shock: three 50G shocks in each of 3 mutually perpendicular planes with no loss of continuity

Vibration: 2 h in each of 3 mutually perpendicular planes, frequency sweep 10 cps to 55 cps at 0.06 double amplitude with no loss of continuity

APPLICATIONS

For use with 0.0625" (1.59 mm) printed circuit boards requiring an edgeboard type connector on 0.100" (2.54 mm) centers

MATERIAL SPECIFICATIONS

Body Material:

"3" thermoplastic polyester, glass-filled, black, flame retardant (UL 94 V-0)

"5" thermoplastic polyphenylene sulfied, glass filled, brown, flame retardant (UL 94 V-0)

Contacts: phosphor bronze (see Ordering Information)

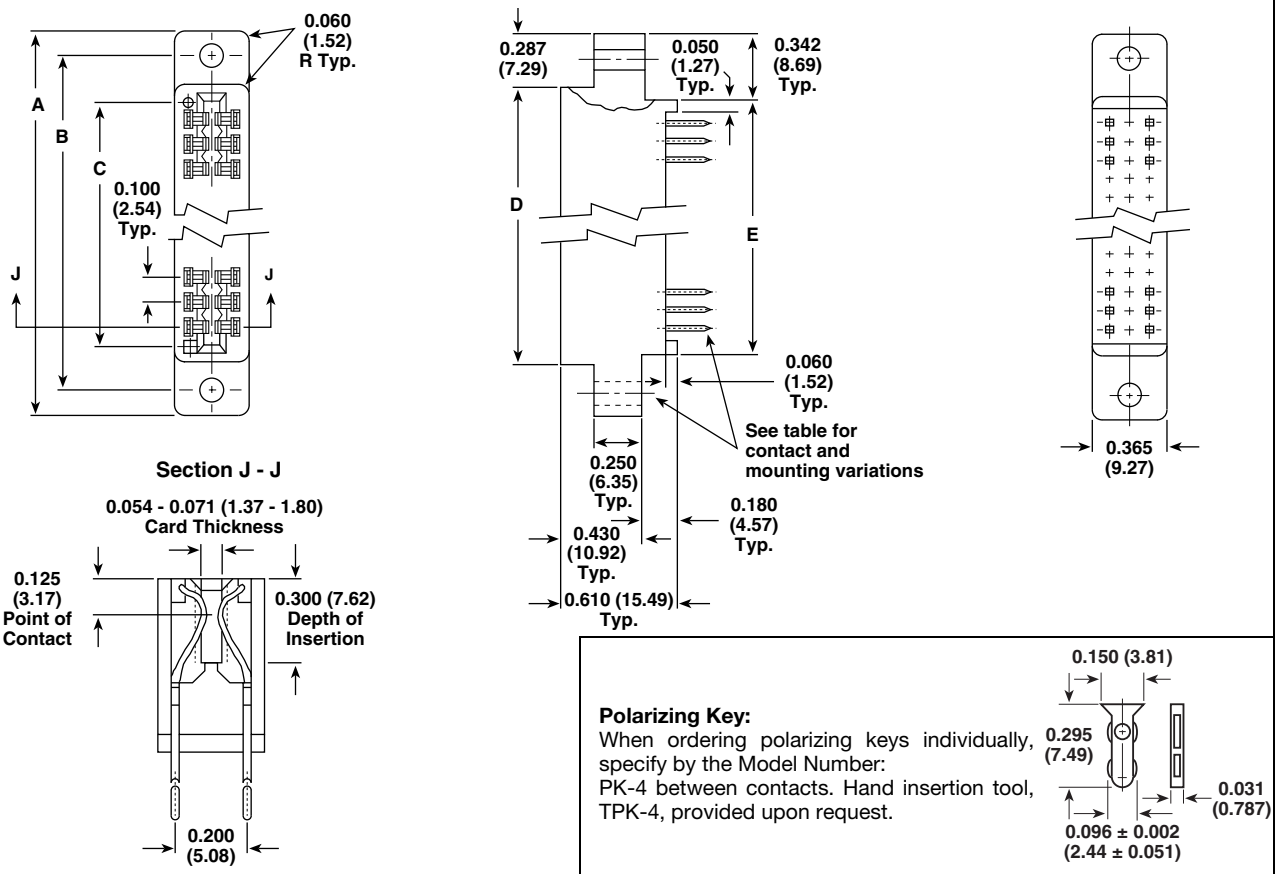
Polarizing Key: glass reinforced nylon, flame retardant (UL 94H-B)

Plating: gold (see Ordering Information)

ORDERING INFORMATION

EB4	3	K	20	SG	X	15
MODEL	BODY MATERIAL 3 = glass-filled polyester 5 = glass-filled polyphenylene sulfide	STANDARD TERMINAL VARIATIONS C, D, K, 1R, 2R, 3R, 4R	CONTACTS PER SIDE 6, 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, 60, and 65	CONTACT PLATING SG = selective gold plating (0.00003" (0.000762 mm) minimum thick) on contact area with gold flash on terminal. SGF = selective gold plating (0.000010" (0.000254 mm) minimum thick) on contact area with gold flash on terminal. All gold plating over 0.00005" (0.00127 mm) minimum nickel underplate. Contact factory for additional plating options	MOUNTING VARIATIONS	POLARIZING KEY POSITIONS Key(s) are located to right of position(s) designated. Use odd-numbered contact for ordering: -1, -3, -5, etc. Required only when polarizing keys are to be factory installed. **Note:** to order polarizing keys individually, specify model PK-4.

DIMENSIONS in inches (millimeters)



Polarizing Key:
When ordering polarizing keys individually, specify by the Model Number:
PK-4 between contacts. Hand insertion tool, TPK-4, provided upon request.

# OF CONTACT POSITIONS PER SIDE	A	B	C	D	E
6	1.435 (36.45)	1.175 (29.85)	0.700 (17.78)	0.860 (21.84)	0.750 (19.05)
10	1.835 (46.61)	1.575 (40.00)	1.100 (27.94)	1.260 (32.00)	1.150 (29.21)
12	2.035 (51.69)	1.775 (45.08)	1.300 (33.02)	1.460 (37.08)	1.350 (34.29)
15	2.335 (59.31)	2.075 (52.70)	1.600 (40.64)	1.760 (44.70)	1.650 (41.91)
18	2.635 (66.93)	2.375 (60.32)	1.900 (48.26)	2.060 (52.32)	1.950 (49.53)
20	2.835 (72.01)	2.575 (65.40)	2.100 (53.34)	2.260 (57.40)	2.150 (54.61)
22	3.035 (77.09)	2.775 (70.48)	2.300 (58.42)	2.460 (62.48)	2.350 (59.69)
25	3.335 (84.71)	3.075 (78.10)	2.600 (66.04)	2.760 (70.10)	2.650 (67.31)
28	3.635 (92.33)	3.375 (85.72)	2.900 (73.66)	3.060 (77.72)	2.950 (74.93)
30	3.835 (97.41)	3.575 (90.80)	3.100 (78.74)	3.260 (82.80)	3.150 (80.01)
31	3.935 (99.95)	3.675 (93.34)	3.200 (81.28)	3.360 (85.34)	3.250 (82.55)
35	4.335 (110.11)	4.075 (103.50)	3.600 (91.44)	3.760 (95.50)	3.650 (92.71)
36	4.435 (112.65)	4.175 (106.04)	3.700 (93.98)	3.860 (98.04)	3.750 (95.25)
40	4.835 (122.81)	4.575 (116.20)	4.100 (104.14)	4.260 (108.20)	4.150 (105.41)
43	5.135 (130.43)	4.875 (123.82)	4.400 (111.76)	4.560 (115.82)	4.450 (113.03)
44	5.235 (132.97)	4.975 (126.36)	4.500 (114.30)	4.660 (118.36)	4.550 (115.57)
48	5.635 (143.13)	5.375 (136.52)	4.900 (124.46)	5.060 (128.52)	4.950 (125.73)
49	5.735 (145.67)	5.475 (139.06)	5.000 (127.00)	5.160 (131.06)	5.050 (128.27)
50	5.835 (148.21)	5.575 (141.60)	5.100 (129.54)	5.260 (133.60)	5.150 (130.81)
60	6.835 (173.61)	6.575 (167.00)	6.100 (154.94)	6.260 (159.00)	6.150 (156.21)
65	7.335 (186.31)	7.075 (179.70)	6.600 (167.64)	6.760 (171.70)	6.650 (168.91)

PHYSICAL SPECIFICATIONS

Contact Type: bifurcated cantilever beam

Number of Contacts: 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, 60 and 65 per side

Contact Terminal Variation: Standard terminals

Type "C" - dip solder, 0.025" (0.635 mm) square terminals, 0.175" (4.44 mm) nominal terminal length below standoffs

Type "D" - dip solder, 0.025" (0.635 mm) square terminals, 0.115" (2.92 mm) nominal terminal length below standoffs

Type "K" - Wire Wrap™, 0.025" (0.635 mm) square terminals, 0.570" (14.48 mm) nominal terminal length below standoffs

Contact Terminal Variation: Right angle terminals

Type "1R" - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing

Type "2R" - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing

Type "3R" - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing

Type "4R" - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing

Contact Spacing: 0.100" (2.54 mm) center to center

Contact Terminal Row Spacing: Standard - 0.200" (5.08 mm) nominal. Right angle - 0.200" (5.08 mm) nominal and 0.150" (3.81 mm) nominal

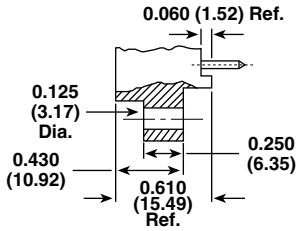
Card Thickness: 0.054" to 0.071" (1.37 mm to 1.80 mm)

Card Slot Depth: 0.300" (7.62 mm)

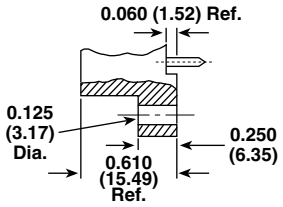
Connector Polarization: between contact polarization key(s) are located to the right of the contact position(s) designated

MOUNTING VARIATIONS in inches (millimeters)

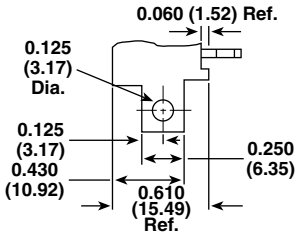
Type "X"
Clearance Hole
Raised Mounting Flange



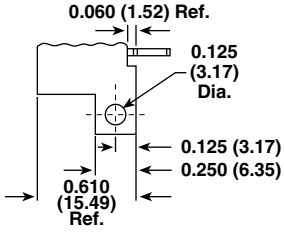
Type "XF"
Clearance Hole
Flush Mounting Flange



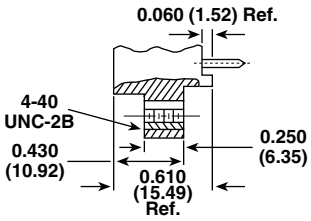
Type "XS"
Right Angle
Mounting Flange



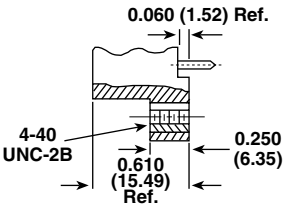
Type "XFS"
Right Angle
Mounting Flange



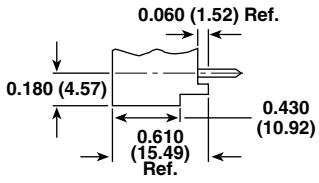
Type "Y"
Threaded Insert
Raised Mounting Flange



Type "YF"
Threaded Insert
Flush Mounting Flange

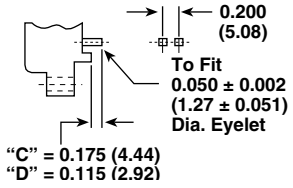


Type "W"
No Mounting Flange

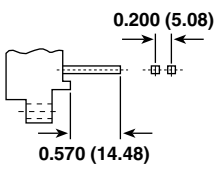


TERMINAL VARIATIONS in inches (millimeters)

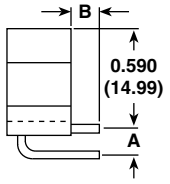
Type "C" and "D"
Solder Dip, Standard
0.025 (0.635) Square Terminals



Type "K"
Wire Wrap™, Standard
0.025 (0.635) Square Terminals



Type "1R", "2R", "3R" and "4R"
Right Angle
0.025 (0.635) Square Terminals



TYPE	A	B
1R	0.150 (3.81)	0.120 ± 0.030 (3.05 ± 0.762)
2R	0.200 (5.08)	0.120 ± 0.030 (3.05 ± 0.762)
3R	0.150 (3.81)	0.180 ± 0.030 (4.57 ± 0.762)
4R	0.200 (5.08)	0.180 ± 0.030 (4.57 ± 0.762)

Edgeboard Connectors, 200 °C Burn-In Connectors, Dual Readout

FEATURES

- 0.100" (2.54 mm) C-C
- Right angle styles included for all models
- High temperature, glass reinforced PPS connector bodies -200 °C
- High reliability copper-nickel-tin alloy contacts
- Accepts PC board thickness of 0.054" to 0.071" (1.37 mm to 1.80 mm)
- High reliability bifurcated bellows contacts
- Gold plated contacts
- Card extender style terminals standard
- Variety of mounting styles available

ELECTRICAL SPECIFICATIONS

Current Rating: 3 A

Test Voltage Between Contacts:
At sea level: 650 V_{RMS}
At 70 000 feet (21 336 meters): 275 V_{RMS}

Insulation Resistance: 5000 MΩ minimum at 500 V_{DC} potential

Contact Resistance: 30 mV maximum at rated current

Humidity: 48 h at 95 % relative humity at +90 °C, insulation resistance 5000 MΩ

Shock: three 50G shocks in each of 3 mutually perpendicular planes with no loss of continuity

APPLICATIONS

High temperature, long life connectors specifically designed for burn-in oven and automatic temperature testing applications.

Available in a wide range of sizes. Priced affordably and competitively.

SPECIAL NOTE

When operating units at elevated temperatures, solder having a melting point 50 °C above the operating temperature should be used. Contact factory for specific solder information.

MATERIAL SPECIFICATIONS

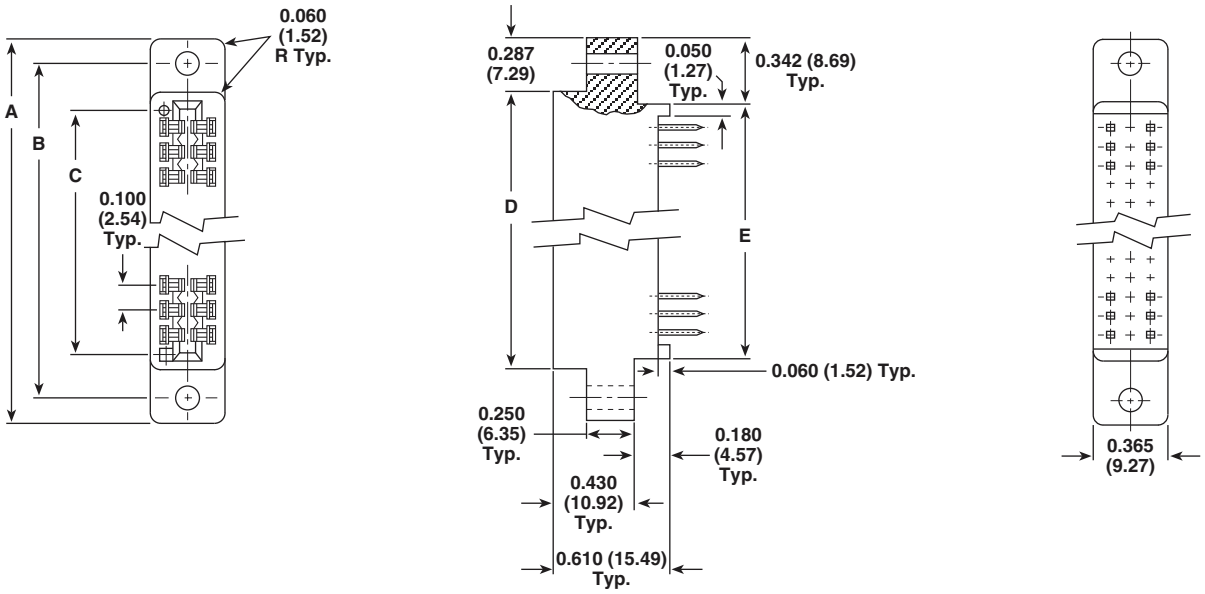
Body Material: 200 °C connectors: fiberglass reinforced polyphenylene sulfide, +200 °C operating temperature, flame retardant (UL 94 V-0)

Contacts: Copper-nickel-tin alloy per ASTM B 740

Plating: Gold plating (0.00003" (0.000762 mm) thick), over 0.00005" (0.00127 mm) minimum nickel underplate

DIMENSIONS in inches (millimeters)

EB4 0.100" (2.54 mm) C-C



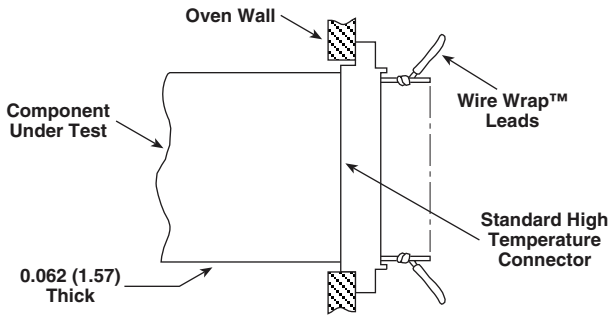
MODEL - PART NUMBER	# OF CONTACT POSITIONS PER SIDE	A	B	C	D	E	CARD SLOT DEPTH
EB45-P□6GΔ	6	1.435 (36.45)	1.175 (29.85)	0.700 (17.78)	0.860 (24.84)	0.750 (19.05)	0.300 (7.62)
EB45-P□10GΔ	10	1.835 (46.61)	1.575 (40.00)	1.100 (27.94)	1.260 (32.00)	1.150 (29.21)	0.300 (7.62)
EB45-P□12GΔ	12	2.035 (51.69)	1.775 (45.08)	1.300 (33.02)	1.460 (37.08)	1.350 (34.29)	0.300 (7.62)
EB45-P□15GΔ	15	2.335 (59.31)	2.075 (52.70)	1.600 (40.64)	1.760 (44.70)	1.650 (41.91)	0.300 (7.62)
EB45-P□18GΔ	18	2.635 (66.93)	2.375 (60.32)	1.900 (48.26)	2.060 (52.32)	1.950 (49.53)	0.300 (7.62)
EB45-P□20GΔ	20	2.835 (72.01)	2.575 (65.40)	2.100 (53.34)	2.260 (57.40)	2.150 (54.61)	0.300 (7.62)
EB45-P□22GΔ	22	3.035 (77.09)	2.775 (70.48)	2.300 (58.42)	2.460 (62.48)	2.350 (59.69)	0.300 (7.62)
EB45-P□25GΔ	25	3.335 (84.71)	3.075 (78.10)	2.600 (66.04)	2.760 (70.10)	2.650 (67.31)	0.300 (7.62)
EB45-P□28GΔ	28	3.635 (92.33)	3.375 (85.72)	2.900 (73.66)	3.060 (77.72)	2.950 (74.93)	0.300 (7.62)
EB45-P□30GΔ	30	3.835 (97.41)	3.575 (90.80)	3.100 (78.74)	3.260 (82.80)	3.150 (80.01)	0.300 (7.62)
EB45-P□31GΔ	31	3.935 (99.95)	3.675 (93.34)	3.200 (81.28)	3.360 (85.34)	3.250 (82.55)	0.300 (7.62)
EB45-P□35GΔ	35	4.335 (110.11)	4.075 (103.50)	3.600 (91.44)	3.760 (95.50)	3.650 (92.71)	0.300 (7.62)
EB45-P□36GΔ	36	4.435 (112.65)	4.175 (106.04)	3.700 (93.98)	3.860 (98.04)	3.750 (95.25)	0.300 (7.62)
EB45-P□40GΔ	40	4.835 (122.81)	4.575 (116.20)	4.100 (104.14)	4.260 (108.20)	4.150 (105.41)	0.300 (7.62)
EB45-P□43GΔ	43	5.135 (130.43)	4.875 (123.82)	4.400 (111.76)	4.560 (115.82)	4.450 (113.03)	0.300 (7.62)
EB45-P□44GΔ	44	5.235 (132.97)	4.975 (126.36)	4.500 (114.30)	4.660 (118.36)	4.550 (115.57)	0.300 (7.62)
EB45-P□48GΔ	48	5.635 (143.13)	5.375 (136.52)	4.900 (124.46)	5.060 (128.52)	4.950 (125.73)	0.300 (7.62)
EB45-P□49GΔ	49	5.735 (145.67)	5.475 (139.06)	5.000 (127.00)	5.160 (131.06)	5.050 (128.27)	0.300 (7.62)
EB45-P□50GΔ	50	5.835 (148.21)	5.575 (141.60)	5.100 (129.54)	5.260 (133.60)	5.150 (130.81)	0.300 (7.62)
EB45-P□60GΔ	60	6.835 (173.61)	6.575 (167.00)	6.100 (154.94)	6.260 (159.00)	6.150 (156.21)	0.300 (7.62)
EB45-P□65GΔ	65	7.335 (186.31)	7.075 (179.70)	6.600 (167.64)	6.760 (171.70)	6.650 (168.91)	0.300 (7.62)

ORDERING INFORMATION

When ordering connectors using the above part numbers:
□ = Indicate “E” for card extender, “K” for Wire Wrap™ or “3R” for right angle terminals
Δ = Indicate “X” for standard mounting, “XF” for flush mounting or “XS” for side mounting

MOUNTING STYLES in inches (millimeters)

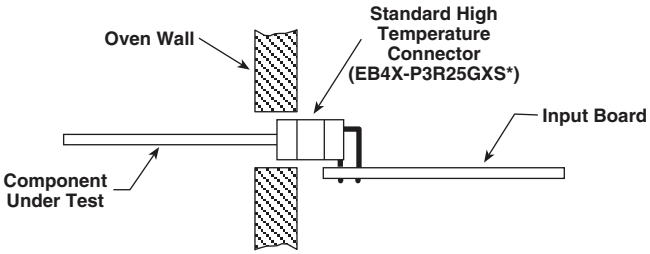
Wire Wrap™ Permanent Mounting — **0.100" (2.54 mm) C-C**



200 °C WIRE WRAP™ MODEL NUMBERS

EB45-PK22GX	EB45-PK22GX	EB45-PK35GX	EB45-PK48GX
EB45-PK25GX	EB45-PK25GX	EB45-PK36GX	EB45-PK49GX
EB45-PK28GX	EB45-PK28GX	EB45-PK40GX	EB45-PK50GX
EB45-PK30GX	EB45-PK30GX	EB45-PK43GX	EB45-PK60GX
EB45-PK31GX	EB45-PK31GX	EB45-PK44GX	EB45-PK65GX

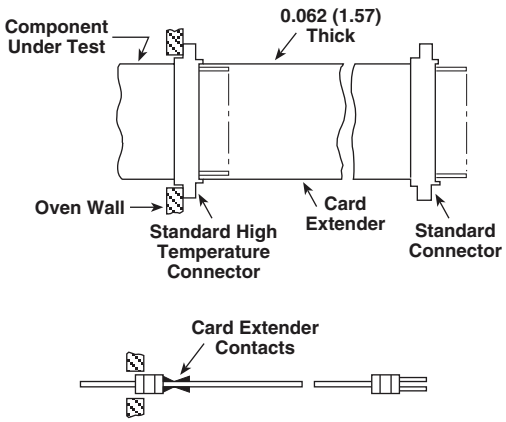
Right Angle PC Board Mounting — **0.100" (2.54 mm) C-C**



200 °C RIGHT ANGLE MODEL NUMBERS

EB45-P3R10GXS	EB45-P3R22GXS	EB45-P3R35GXS	EB45-P3R48GXS
EB45-P3R12GXS	EB45-P3R25GXS*	EB45-P3R36GXS	EB45-P3R49GXS
EB45-P3R15GXS	EB45-P3R28GXS	EB45-P3R40GXS	EB45-P3R50GXS
EB45-P3R18GXS	EB45-P3R30GXS	EB45-P3R43GXS	EB45-P3R60GXS
EB45-P3R20GXS	EB45-P3R31GXS	EB45-P3R44GXS	EB45-P3R65GXS

Card Extender Mounting For Fast Change of Test Setups — **0.100" (2.54 mm) C-C**



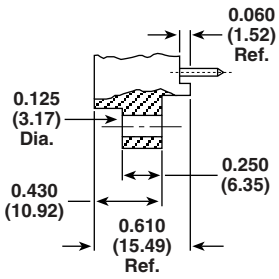
200 °C CARD EXTENDER MODEL NUMBERS

EB45-PE10GX	EB45-PE22GX	EB45-PE35GX	EB45-PE48GX
EB45-PE12GX	EB45-PE25GX	EB45-PE36GX	EB45-PE49GX
EB45-PE15GX	EB45-PE28GX	EB45-PE40GX	EB45-PE50GX
EB45-PE18GX	EB45-PE30GX	EB45-PE43GX	EB45-PE60GX
EB45-PE20GX	EB45-PE31GX	EB45-PE44GX	EB45-PE65GX

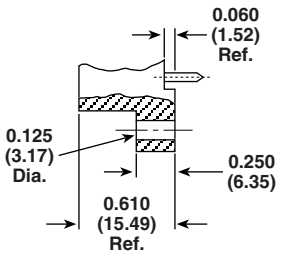
MOUNTING VARIATIONS in inches (millimeters)

0.100" (2.54 mm) C-C

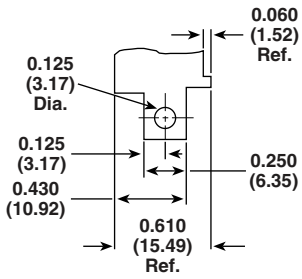
Type "X"
Clearance Hole
Raised Mounting Flange



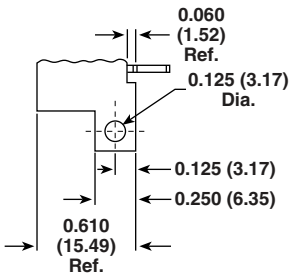
Type "XF"
Clearance Hole
Flush Mounting Flange



Type "XS"
Right Angle
Mounting Flange



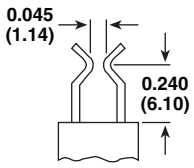
Type "XFS"
Right Angle
Mounting Flange



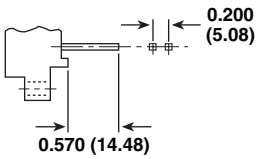
TERMINAL VARIATIONS in inches (millimeters)

0.100" (2.54 mm) C-C

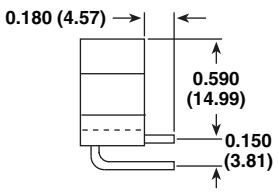
Type "E"
Card Extender



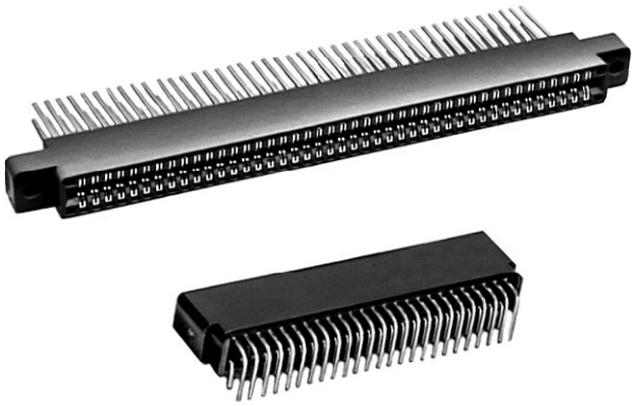
Type "K"
Wire Wrap™
0.025 (0.630) Square Terminals



Type "3R"
Right Angle
0.025 (0.630) Square Terminals



Edgeboard Connectors, Dual Readout, 0.125" (3.17 mm) C-C, Standard and Right Angle Terminals



FEATURES

- Grid patterns: 0.125" C-C x 0.150" (3.17 mm x 3.81 mm), 0.125" C-C x 0.200" (3.17 mm x 5.08 mm) and 0.125" C-C x 0.250" (3.17 mm x 6.35 mm)
- Standard and right angle terminals
- Greater design latitude:
  body materials: glass-filled polyester and glass-filled polyphenylene sulfide
  7 contact termination styles - 3 standard, 4 right angle
  19 body sizes and 6 mounting styles
- Selective gold plating
- Accepts PC board thickness of 0.054" to 0.071" (1.37 mm to 1.80 mm)
- Polarization between contact positions in all sizes. Between contact polarization permits polarizing without loss of contact position

ELECTRICAL SPECIFICATIONS

Current Rating: 3 A

Test Voltage Between Contacts:
at sea level: 1500 V_{RMS}
At 70 000 feet (21 336 meters): 325 V_{RMS}

Insulation Resistance: 5000 MΩ minimum at 500 V_{DC} potential

Contact Resistance: 30 mV maximum at rated current (with gold plating)

Operating Temperature: -65 °C to +125 °C

Humidity: 96 h at 90 % relative humidity at +40 °C, dried at room temperature for 3 h minimum, insulation resistance was greater than 5000 MΩ

Durability: after 500 cycles of insertion and withdrawal of a 0.070" (1.78 mm) thick steel test board, contact resistance less than 0.030 V at 3 A on gold plated contacts and individual contact pair separation force when measured with a 0.054" (1.37 mm) thick steel test blade was greater than ½ oz.

Shock: three 50G shocks in each of 3 mutually perpendicular planes with no loss of continuity

Vibration: 2 h in each of 3 mutually perpendicular planes, frequency sweep 10 cps to 55 cps at 0.06 double amplitude with no loss of continuity

APPLICATIONS

For use with 0.0625" (1.59 mm) printed circuit boards requiring an edgeboard type connector on 0.125" (3.17 mm) centers

MATERIAL SPECIFICATIONS

Body Material:

“3” thermoplastic polyester, glass-filled, black, flame retardant (UL 94 V-0)

”5” thermoplastic polyphenylene sulfied, glass filled, brown, flame retardant (UL 94 V-0)

Contacts: phosphor bronze (see Ordering Information)

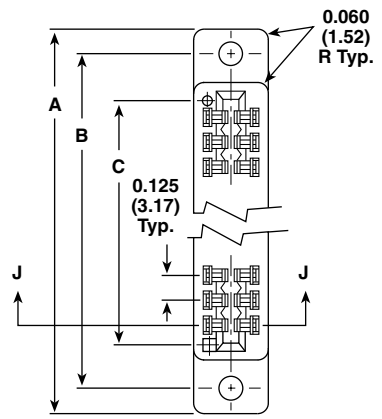
Polarizing Key: glass reinforced nylon, flame retardant (UL 94H-B)

Plating: gold (see Ordering Information)

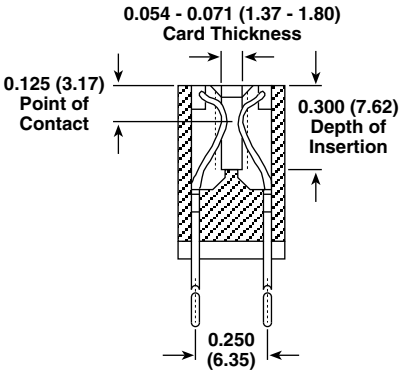
ORDERING INFORMATION

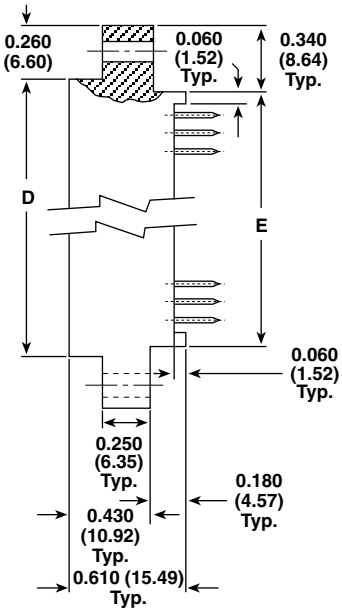
EB6	3	K	40	SG	X	15
MODEL	BODY MATERIAL 3 = glass-filled polyester 5 = glass-filled polyphenylene sulfide	STANDARD TERMINAL VARIATIONS C, D, K, 1R, 2R, 3R, 4R	CONTACTS PER SIDE 6, 10, 12, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50	CONTACT PLATING SG = selective gold plating (0.00003" (0.000762 mm) minimum thick) on contact area with gold flash on terminal. SGF = selective gold plating (0.000010" (0.000254 mm) minimum thick) on contact area with gold flash on terminal. All gold plating over 0.00005" (0.00127 mm) minimum nickel underplate. Contact factory for additional plating options	MOUNTING VARIATIONS	POLARIZING KEY POSITIONS Key(s) are located to right of position(s) designated. Use odd-numbered contact for ordering: -1, -3, -5, etc. Required only when polarizing keys are to be factory installed **Note:** to order polarizing keys individually, specify Model PK-6

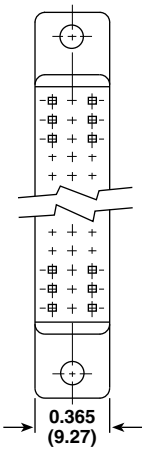
DIMENSIONS in inches (millimeters)



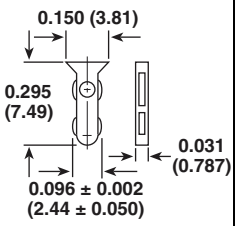
Section J - J







Polarizing Key:
When ordering polarizing keys individually, specify by the Model Number:
PK-6 between contacts. Hand insertion tool, TPK-6, provided upon request.



# OF CONTACT POSITIONS PER SIDE	A	B	C	D	E
6	1.555 (39.50)	1.295 (32.89)	0.875 (22.22)	1.035 (26.29)	0.875 (22.22)
10	2.055 (52.20)	1.795 (45.59)	1.375 (34.92)	1.535 (38.99)	1.375 (34.92)
12	2.305 (58.55)	2.045 (51.94)	1.625 (41.28)	1.785 (45.34)	1.625 (41.28)
14	2.555 (64.90)	2.295 (58.29)	1.875 (47.62)	2.035 (51.69)	1.875 (47.62)
15	2.680 (68.07)	2.420 (61.47)	2.000 (50.80)	2.160 (54.86)	2.000 (50.80)
18	3.055 (77.60)	2.795 (70.99)	2.375 (60.32)	2.535 (64.39)	2.375 (60.32)
22	3.555 (90.30)	3.295 (83.69)	2.875 (73.02)	3.035 (77.09)	2.875 (73.02)
24	3.805 (96.65)	3.545 (90.04)	3.125 (79.38)	3.285 (83.44)	3.125 (79.38)
25	3.930 (99.82)	3.670 (93.22)	3.250 (82.55)	3.410 (86.61)	3.250 (82.55)
28	4.305 (109.35)	4.045 (102.74)	3.625 (92.08)	3.785 (96.14)	3.625 (92.08)
30	4.555 (115.70)	4.295 (109.09)	3.875 (98.42)	4.035 (102.49)	3.875 (98.42)
31	4.680 (118.87)	4.420 (112.27)	4.000 (101.60)	4.160 (105.66)	4.000 (101.60)
32	4.805 (122.05)	4.545 (115.44)	4.125 (104.78)	4.285 (108.84)	4.125 (104.78)
35	5.180 (131.57)	4.920 (124.97)	4.500 (114.30)	4.660 (118.36)	4.500 (114.30)
36	5.305 (134.75)	5.045 (128.14)	4.625 (117.48)	4.785 (121.54)	4.625 (117.48)
40	5.805 (147.45)	5.545 (140.84)	5.125 (130.18)	5.285 (134.24)	5.125 (130.18)
43	6.180 (156.97)	5.920 (150.37)	5.500 (139.70)	5.660 (143.76)	5.500 (139.70)
44	6.305 (160.15)	6.045 (153.54)	5.625 (142.88)	5.785 (146.94)	5.625 (142.88)
49	6.930 (176.02)	6.670 (169.42)	6.250 (158.75)	6.410 (162.81)	6.250 (158.75)
50	7.055 (179.20)	6.795 (172.59)	6.375 (161.92)	6.535 (165.99)	6.375 (161.92)

PHYSICAL SPECIFICATIONS

Contact Type: bifurcated cantilever beam

Number of Contacts: 6, 10, 12, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50 per side

Contact Terminal Variation: standard terminals

Type "C" - dip solder, 0.025" (0.635 mm) square terminals, 0.175" (4.44 mm) nominal terminal length below standoffs

Type "D" - dip solder, 0.025" (0.635 mm) square terminals, 0.115" (2.92 mm) nominal terminal length below standoffs

Type "K" - Wire Wrap™, 0.025" (0.635 mm) square terminals, 0.570" (14.48 mm) nominal terminal length below standoffs

Contact Terminal Variation: right angle terminals

Type "1R" - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing

Type "2R" - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing

Type "3R" - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing

Type "4R" - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing

Contact Spacing: 0.125" (3.17 mm) center to center

Contact Terminal Row Spacing: standard - 0.250" 5.08 mm) nominal. Right angle - 0.200" (5.08 mm) nominal and 0.150" (3.81 mm) nominal

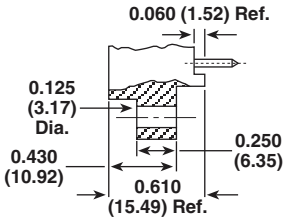
Card Thickness: 0.054" to 0.071" (1.37 mm to 1.80 mm)

Card Slot Depth: 0.300" (7.62 mm)

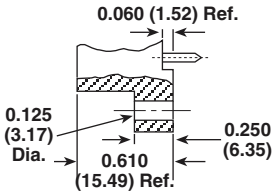
Connector Polarization: between contact polarization key(s) are located to the right of the contact position(s) designated

MOUNTING VARIATIONS in inches (millimeters)

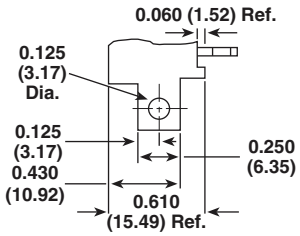
Type "X"
Clearance Hole
Raised Mounting Flange



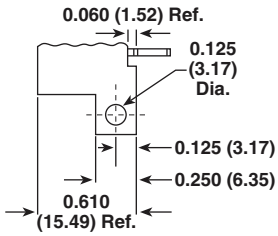
Type "XF"
Clearance Hole
Flush Mounting Flange



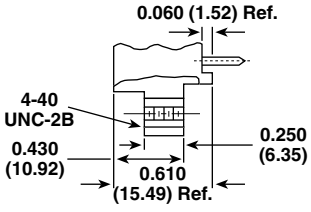
Type "XS"
Right Angle
Mounting Flange



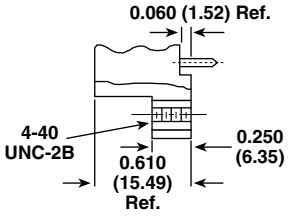
Type "XFS"
Right Angle
Mounting Flange



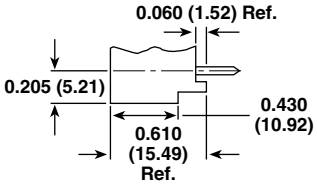
Type "Y"
Threaded Insert
Raised Mounting Flange



Type "YF"
Threaded Insert
Flush Mounting Flange

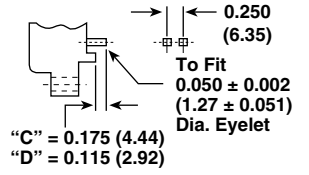


Type "W"
No Mounting Flange

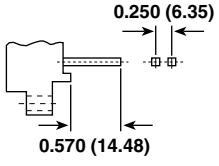


TERMINAL VARIATIONS in inches (millimeters)

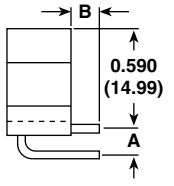
Type "C" and "D"
Solder Dip, Standard
0.025 (0.635) Square Terminals



Type "K"
Wire Wrap™, Standard
0.025 (0.635) Square Terminals

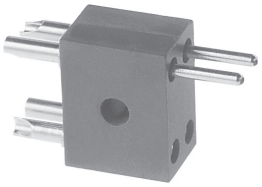


Type "1R", "2R", "3R" and "4R"
Right Angle
0.025 (0.635) Square Terminals

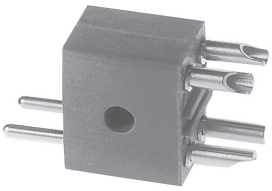


TYPE	A	B
1R	0.150 (3.81)	0.120 ± 0.030 (3.05 ± 0.762)
2R	0.200 (5.08)	0.120 ± 0.030 (3.05 ± 0.762)
3R	0.150 (3.81)	0.180 ± 0.030 (4.57 ± 0.762)
4R	0.200 (5.08)	0.180 ± 0.030 (4.57 ± 0.762)

Rack and Panel Connectors Side Mount



WA20



A20

FEATURES

- Body components available with any desired pin and socket combination
- Floating contacts
- Polarization accomplished by reversed pin and socket combination
- Model A20 has barriers for increased creepage distance
- Thru hole permits use of building block technique or flat mounting

APPLICATIONS

Broad-limited only by those applications requiring physical, electrical and/or materials specifications exceeding those indicated.

ELECTRICAL SPECIFICATIONS

Current Rating: 7.5 A
Breakdown Voltage (Contact to Contact):
At sea level: 2000 V_{RMS}
At 70 000 feet [21 336 meters]: 500 V_{RMS}

MATERIAL SPECIFICATIONS

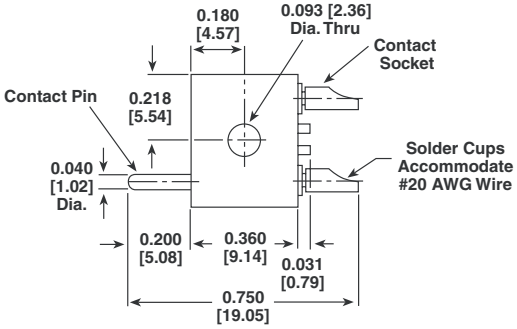
Standard Body: Glass-filled diallyl phthalate per ASTM D 5948-96 green, flame retardant
Pin Contacts: Brass
Socket Contacts: Phosphor bronze
Contact Plating: Gold, 10 micro-inches

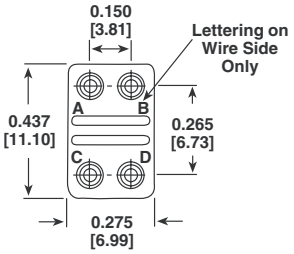
PHYSICAL SPECIFICATIONS

Minimum Creepage Path between Contacts:
A20 = 0.08" [2.03 mm]; WA20 = 0.05" [1.27 mm]
Minimum Air Space between Contacts:
A20 = 0.08" [2.03 mm]; WA20 = 0.05" [1.27 mm]
Contact, Center to Center: A20 = 0.150" [3.18 mm]; WA20 = 0.125" [3.17 mm]

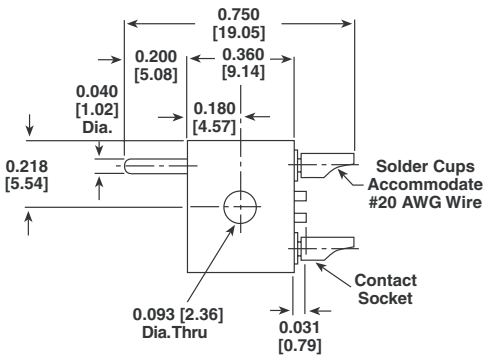
DIMENSIONS in inches [millimeters]

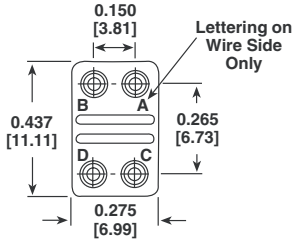
A20P-CD





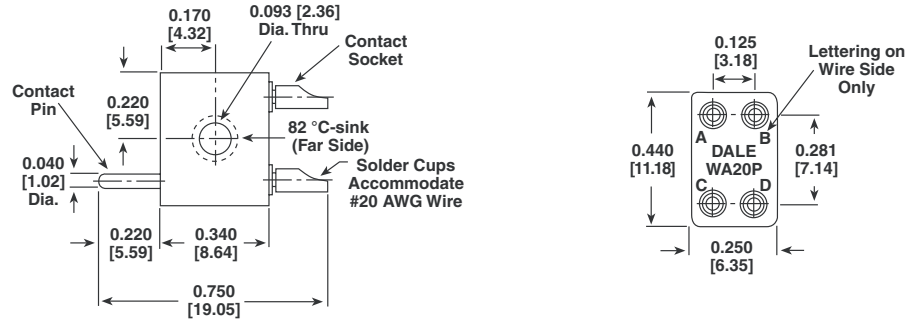
A20S-CD



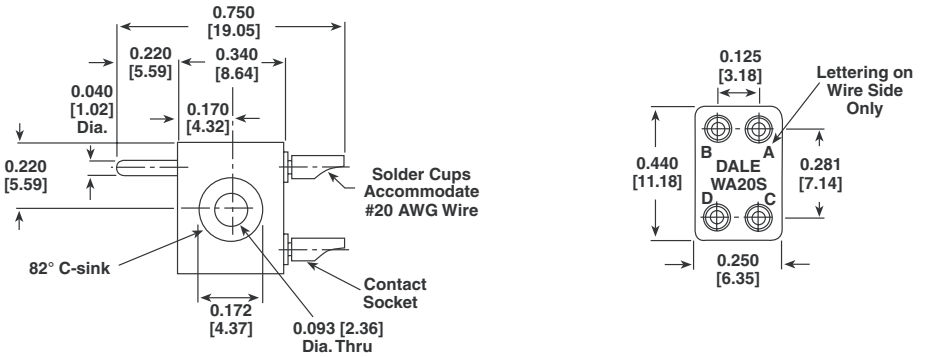


DIMENSIONS in inches [millimeters]

WA20P-CD



WA20S-CD



ORDERING INFORMATION

A20
WA20
MODEL

Side Mount with 4 positions for #20 AWG contacts

P
BODY STYLE

P - Designates pin style body.
S - Designates socket style body.
These designations are used to identify mating connectors, however, any combination of pin and socket contacts may be ordered in either style body. Therefore, when designators 3 and 4 are the same, a connector designated A20P or WA20P will mate with a connector designated A20S or WA20S.
Example:
A20P-CD mates with A20S-CD
A20S-AB mates with A20P-CD

AB
CONTACT LOCATION

Designates pin contact positions in an A20P or WA20P connector or socket contact positions in an A20S or WA20S connector (specify “A”, “B”, “C”, “D” or any combination of the four)

A
EMPTY CONTACT POSITIONS

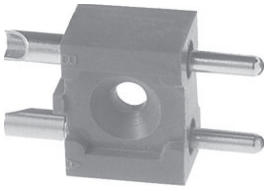
Specify by contact identification letter (A, B, etc.) any contact positions which are to be left empty (omit, if none required)

EXAMPLE 1:
A20P-CD or WA20P-CD = Connector with pin contacts in positions “C” and “D” and socket contacts in positions “A” and “B”

EXAMPLE 2:
A20S-CD or WA20S-CD = Connector with socket contacts in positions “C” and “D” and pin contacts in positions “A” and “B” (would mate with Example 1 at left)

EXAMPLE 3:
A20P-BC or WA20P-BC-A = Connector with pin contacts in positions “B” and “C”,socket contact in position “D” and no contact in position “A” (would mate with A20S-BC or WA20S-BC-A)

Rack and Panel Connectors Side Mount



G16P-AB

G16P-AB

FEATURES

- Body components available with any desired pin and socket combination
- Floating contacts aid in withstanding vibration
- Locking device permits secure mount of individual sections or complete component

APPLICATIONS

Broad - limited only by those applications requiring physical, electrical and/or materials specifications exceeding those indicated.

ELECTRICAL SPECIFICATIONS

Current Rating: 13 A
Breakdown Voltage (Contact to Contact):
At sea level: 4000 V_{RMS}
At 70 000 feet [21 336 meters]: 550 V_{RMS}

MATERIAL SPECIFICATIONS

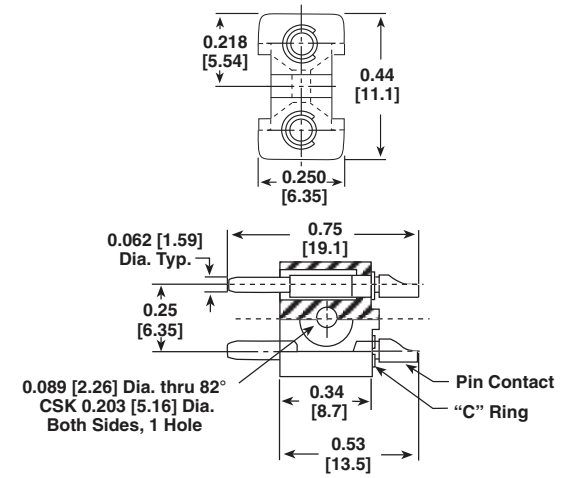
Standard Body: Glass-filled diallyl phthalate per ASTM D 5948-96 green, flame retardant
Pin Contacts: Brass
Socket Contacts: Phosphor bronze
Contact Plating: Gold, 10 micro-inches

PHYSICAL SPECIFICATIONS

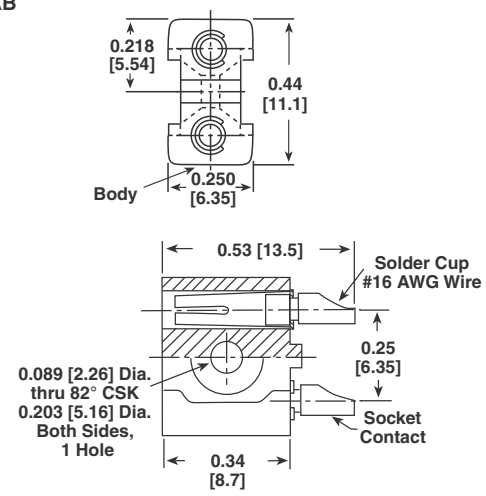
Minimum Creepage between Contacts: 0.20" [5.16 mm]
Minimum Air Space between Contacts: 0.16" [3.97 mm]
Maximum Wire Size: #16 AWG

DIMENSIONS in inches [millimeters]

G16P-AB



G16S-AB



ORDERING INFORMATION

G16	S	AB
MODEL	BODY STYLE	CONTACT VARIATIONS
G16 - Side Mount with 2 positions for #16 AWG contacts	P - Pin style body. S - Socket style body. These designators are used to identify mating connectors. If designator 3 is the same, a connector designated G16P will mate with a connector designated G16S	Designates pin contact positions in G16P connector and socket contact positions in a G16S connector

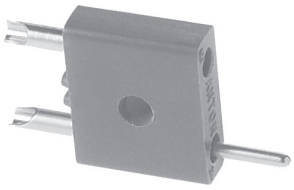
EXAMPLE 1:
G16P-AB = Connector with pin contacts in position "A" and "B"

EXAMPLE 2:
G16S-AB = Connector with socket contacts in positions "A" and "B" (would mate with Example 1 at left)

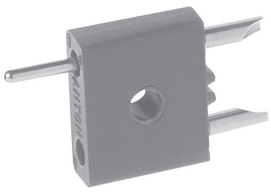
EXAMPLE 3:
G16P-A = Connector with pin contact in position "A" and a socket contact in position "B"

EXAMPLE 4:
G16S-A = Connector with socket contact in position "A" and a pin contact in position "B" (would mate with Example 3 at left)

Rack and Panel Connectors Side Mount



G20P-A



G20S-A

FEATURES

- Body components available with any desired pin and socket combination
- Contacts float in molding to aid in aligning and in withstanding vibration
- Polarization accomplished by reversed pin and socket combination
- Barriers for increased creepage distance
- Thru hold permits use of building block technique or flat mounting

APPLICATIONS

Broad - limited only by those applications requiring physical, electrical and/or materials specifications exceeding those indicated.

ELECTRICAL SPECIFICATIONS

Breakdown Voltage (Contact to Contact):
At sea level: 5000 V_{RMS}
At 70 000 feet [21 336 meters]: 650 V_{RMS}
Current Rating: 7.5 A

MATERIAL SPECIFICATIONS

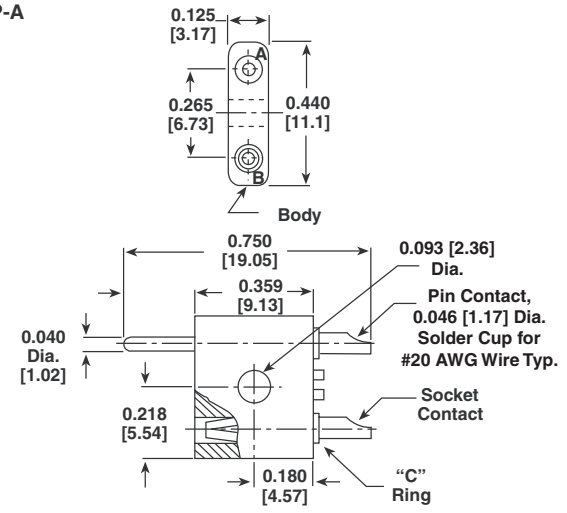
Standard Body: Glass-filled diallyl phthalate per ASTM D 5948-96 green, flame retardant
Pin Contacts: Brass
Socket Contacts: Phosphor bronze
Contact Plating: Gold, 10 micro-inches

PHYSICAL SPECIFICATIONS

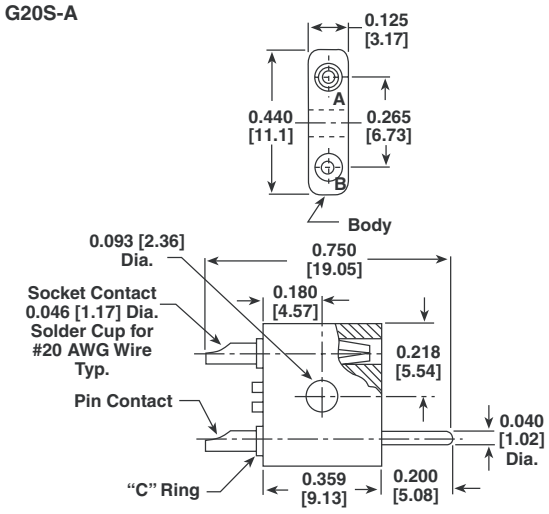
Minimum Creepage Path between Contacts: 0.25" [6.35 mm]
Minimum Air Space between Contacts: 0.19" [4.76 mm]
Maximum Wire Size: #20 AWG

DIMENSIONS in inches [millimeters]

G20P-A



G20S-A



ORDERING INFORMATION

G20
MODEL

G20 - Side Mount with 2 positions for #20 AWG contacts

S
P
BODY STYLE

P - Pin style body. S - Socket style body. These designators are used to identify mating connectors. If designator 3 is the same, a connector designated G20P will mate with a connector designated G20S

AB
B
A
CONTACT VARIATIONS

Designates pin contact positions in a G20P connector or socket contact positions in a G20S connector

EXAMPLE 1:
G20P-A = Connector with pin contact in position "A" and socket contact in position "B"

EXAMPLE 2:
G20S-A = Connector with socket contact in position "A" and pin contact in position "B" (would mate with example 1 at left)

EXAMPLE 3:
G20P-AB = Connector with pin contacts in both positions (would mate with G20S-AB)

Rack and Panel Connectors Military, MIL-C-28748/7/8 Qualified Microminiature Rectangular

FEATURES

- Qualified to MIL-C-28748/7/8
- Solder cup contacts
- Fixed and turnable screwlocks
- Closed entry socket contacts
- Group A, B testing per MIL-C-28748

APPLICATIONS

Especially suited for use in airborne, instrumentation and portable equipment applications or wherever the following requirements must be met: Minimum space and weight without sacrifice of performance, high quality materials, long service life, high vibration and shock resistance and positive locking.

ELECTRICAL SPECIFICATIONS

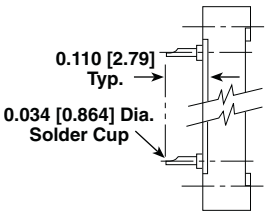
Current Rating: Model MM22 = 5 A
Breakdown Voltage: At sea level: 2000 V_{RMS}
At 70 000 feet: 500 V_{RMS}

MATERIAL SPECIFICATIONS

Contact Pin: Phosphor bronze
Contact Socket: Phosphor bronze
Contact Plating: Gold 50 micro-inches per ASTM B488
Screwlocks: Stainless steel, passivated
Guides: Stainless steel, passivated
Standard Body: Glass-filled diallyl phthalate per ASTM D5948, Model SDG-F, green

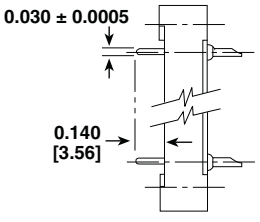
DIMENSIONS in inches [millimeters]

/8
With Solder Cup Contacts



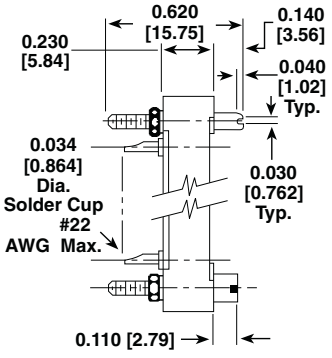
Sockets

/7
With Solder Cup Contacts

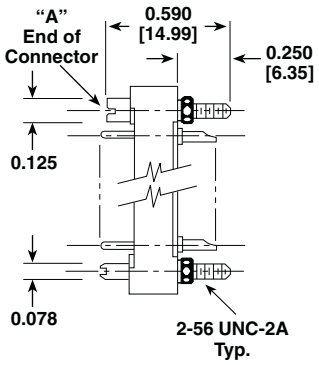


Pins

/8
With Fixed Guides 00G1A

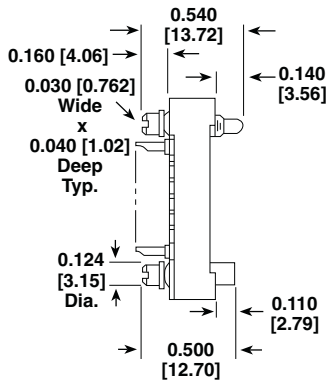


/7
With Fixed Guides 00G1A

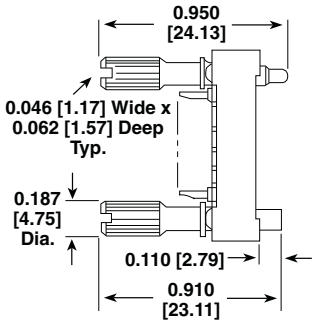


DIMENSIONS in inches [millimeters]

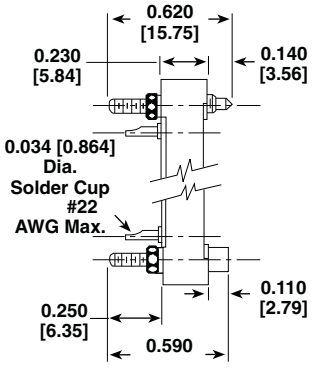
Short Turnable Screwlocks 00E1A



Turnable Screwlocks 00S1A



Fixed Screwlocks 00F1A



HARDWARE MATING CHART

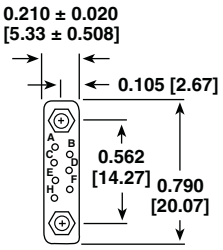
HARDWARE MODEL	MATES WITH HARDWARE MODEL
00S1A	00F1A
00E1A	00F1A

NOTE:
Either /7 or /8 connectors may be ordered with any type of hardware shown

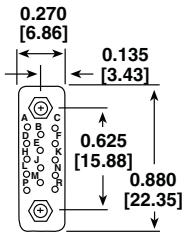
EXAMPLE:
/8 with 00F1A hardware would mate with an MMP with 00S1A or 00E1A hardware

DIMENSIONS in inches [millimeters]

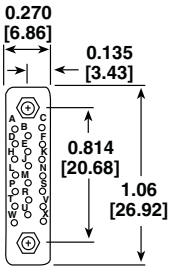
NOTE: The views below show the wiring side of a pin model connector (female is opposite). Socket hardware assembled at “A” contact end of a pin model connector



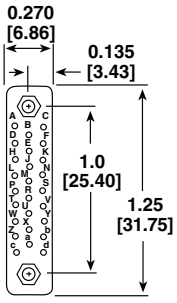
B CONTACTS (7)



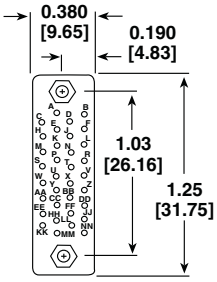
C CONTACTS (14)



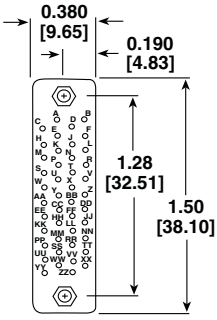
D CONTACTS (20)



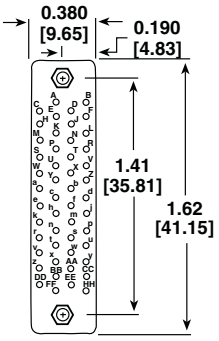
E CONTACTS (26)



F CONTACTS (34)

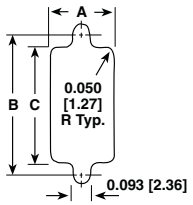


G CONTACTS (44)



H CONTACTS (50)

PANEL CUTOUT in inches [millimeters]



NUMBER OF CONTACTS	A	B	C	NUMBER OF CONTACTS	A	B	C
B (7)	0.210 [5.33]	0.562 [14.27]	0.440 [11.18]	F (34)	0.380 [9.65]	1.03 [26.16]	0.910 [23.11]
C (14)	0.270 [6.86]	0.625 [15.88]	0.500 [12.70]	G (44)	0.380 [9.65]	1.28 [32.51]	1.16 [29.46]
D (20)	0.270 [6.86]	0.814 [20.68]	0.690 [17.53]	H (50)	0.380 [9.65]	1.41 [35.81]	1.28 [32.51]
E (26)	0.270 [6.86]	1.0 [25.40]	0.870 [22.10]				

ORDERING INFORMATION

CONNECTOR **HARDWARE**

M28748/7

C	MM	P	22	G5 -		
CONTACTS	MODEL	CONTACT STYLE	CONTACT SIZE	PLATING	NUMBER OF CONTACTS	HARDWARE OPTIONS

- MODEL: Microminiature
- CONTACT STYLE: P = Pin; S = Socket
- CONTACT SIZE: 22 AWG = 0.030" [0.762 mm] diameter
- PLATING: G5 = Gold (0.00005 thick) over nickel
- CONTACTS: Closed entry socket contacts
- NUMBER OF CONTACTS: B (7), C (14), D (20), E (26), F (34), G (44), H (50)
- HARDWARE OPTIONS:
  - 00G1A = *Long* slotted cres guides 0.078" [1.98 mm] diameter
  - 00F1A = Chassis mounted fixed screwlocks *long* (2-56 thread)
  - 00S1A = Cable mounted - turnable screwlocks (2-56 thread)
  - 00E1A = Cable mounted - turnable screwlocks (2-56 thread) with short knobs

M28748/8 same as /7

MIL-C-28748 CROSS REFERENCE for Vishay Dale Connectors			
MIL MODEL #	**VISHAY MODEL #**	**MIL MODEL #**	**VISHAY MODEL #**
M28748/7-B00E1A	MMP22G5-7SK2030	M28748/8-B00E1A	CMMS22G5-7SK2030
M28748/7-B00F1A	MMP22G5-7SL2L	M28748/8-B00F1A	CMMS22G5-7SL2L
M28748/7-B00G1A	MMP22G5-7027L	M28748/8-B00G1A	CMMS22G5-7027L
M28748/7-B00S1A	MMP22G5-7SK2	M28748/8-B00S1A	CMMS22G5-7SK2
M28748/7-C00E1A	MMP22G5-14SK2030	M28748/8-C00E1A	CMMS22G5-14SK2030
M28748/7-C00F1A	MMP22G5-14SL2L	M28748/8-C00F1A	CMMS22G5-14SL2L
M28748/7-C00G1A	MMP22G5-14027L	M28748/8-C00G1A	CMMS22G5-14027L
M28748/7-C00S1A	MMP22G5-14SK2	M28748/8-C00S1A	CMMS22G5-14SK2
M28748/7-D00E1A	MMP22G5-20SK2030	M28748/8-D00E1A	CMMS22G5-20SK2030
M28748/7-D00F1A	MMP22G5-20SL2L	M28748/8-D00F1A	CMMS22G5-20SL2L
M28748/7-D00G1A	MMP22G5-20027L	M28748/8-D00G1A	CMMS22G5-20027L
M28748/7-D00S1A	MMP22G5-20SK2	M28748/8-D00S1A	CMMS22G5-20SK2
M28748/7-E00E1A	MMP22G5-26SK2030	M28748/8-E00E1A	CMMS22G5-26SK2030
M28748/7-E00F1A	MMP22G5-26SL2L	M28748/8-E00F1A	CMMS22G5-26SL2L
M28748/7-E00G1A	MMP22G5-26027L	M28748/8-E00G1A	CMMS22G5-26027L
M28748/7-E00S1A	MMP22G5-26SK2	M28748/8-E00S1A	CMMS22G5-26SK2
M28748/7-F00E1A	MMP22G5-34SK2030	M28748/8-F00E1A	CMMS22G5-34SK2030
M28748/7-F00F1A	MMP22G5-34SL2L	M28748/8-F00F1A	CMMS22G5-34SL2L
M28748/7-F00G1A	MMP22G5-34027L	M28748/8-F00G1A	CMMS22G5-34027L
M28748/7-F00S1A	MMP22G5-34SK2	M28748/8-F00S1A	CMMS22G5-34SK2
M28748/7-G00E1A	MMP22G5-44SK2030	M28748/8-G00E1A	CMMS22G5-44SK2030
M28748/7-G00F1A	MMP22G5-44SL2L	M28748/8-G00F1A	CMMS22G5-44SL2L
M28748/7-G00G1A	MMP22G5-44027L	M28748/8-G00G1A	CMMS22G5-44027L
M28748/7-G00S1A	MMP22G5-44SK2	M28748/8-G00S1A	CMMS22G5-44SK2
M28748/7-H00E1A	MMP22G5-50SK2030	M28748/8-H00E1A	CMMS22G5-50SK2030
M28748/7-H00F1A	MMP22G5-50SL2L	M28748/8-H00F1A	CMMS22G5-50SL2L
M28748/7-H00G1A	MMP22G5-50027L	M28748/8-H00G1A	CMMS22G5-50027L
M28748/7-H00S1A	MMP22G5-50SK2	M28748/8-H00S1A	CMMS22G5-50SK2

Rack and Panel Connectors Military, MIL-C-28748/7/8 Qualified and Commercial Microminiature Rectangular

FEATURES

- Qualified to MIL-C-28748/7/8
- Solder cup contacts
- Dip solder contacts
- Fixed and turnable screwlocks
- Optional closed entry socket contacts

APPLICATIONS

Especially suited for use in airborne, instrumentation and portable equipment applications or wherever the following requirements must be met: Minimum space and weight without sacrifice of performance, high quality materials, long service life, high vibration and shock resistance and positive locking.

ELECTRICAL SPECIFICATIONS

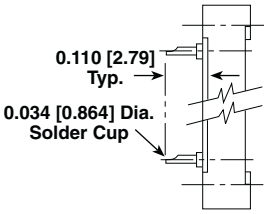
Current Rating: Model MM22 = 5 A
Model MM24 = 3 A
Breakdown Voltage: At sea level: 2000 V_{RMS}
At 70 000 feet: 500 V_{RMS}

MATERIAL SPECIFICATIONS

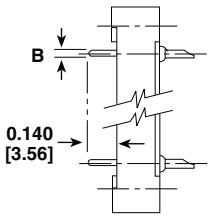
Contact Pin: Phosphor bronze
Contact Socket: Phosphor bronze (Beryllium copper available on request)
Contact Plating: Gold
Screwlocks: Stainless steel, passivated
Guides: Brass, gold plated or stainless steel, passivated
Standard Body: Glass-filled diallyl phthalate per MIL-M-14, Model SDG-F, green

DIMENSIONS in inches [millimeters]

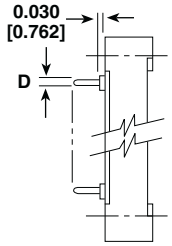
MMS
With Solder Cup Contacts



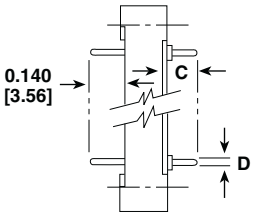
MMP
With Solder Cup Contacts



MMDS
With Dip Solder Contacts



MMDP
With Dip Solder Contacts

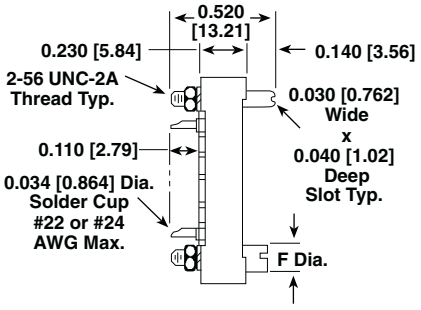


CONTACT GAUGE	B DIAMETER
22 AWG	0.030 ± 0.001 [0.762 ± 0.025]
24 AWG	0.025 ± 0.001 [0.635 ± 0.025]

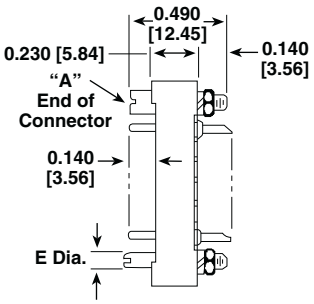
CONTACT GAUGE	C DIP TAIL LENGTH	D DIAMETER
22 AWG	0.160 or 0.350 [4.06 or 8.89] nom.	0.025 [0.635]
24 AWG	0.160 or 0.350 [4.06 or 8.89] nom.	0.025 [0.635]

DIMENSIONS in inches [millimeters]

MMS
With Fixed (026, 027) Guides

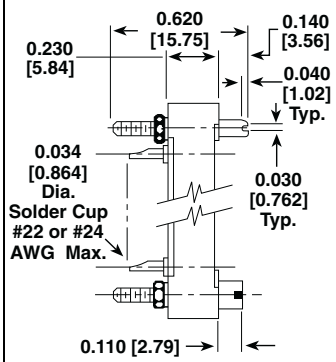


MMP
With Fixed (026, 027) Guides

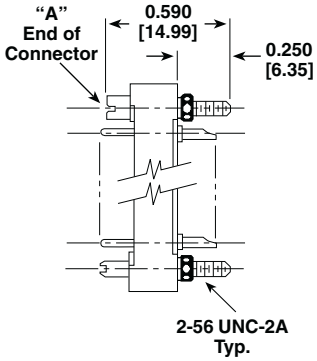


HARDWARE TYPE	E DIAMETER	F DIAMETER
026	0.078 [1.98]	0.125 [3.17]
026L	0.078 [1.98]	0.125 [3.17]
027	0.078 [1.98]	0.125 [3.17]
027L	0.078 [1.98]	0.125 [3.17]

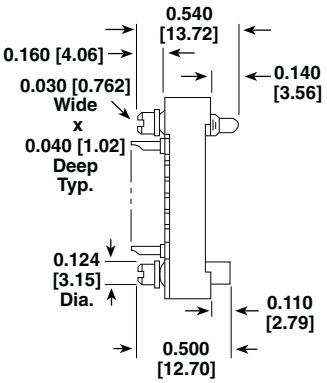
MMS
With Fixed (026L, 027L)
Guides



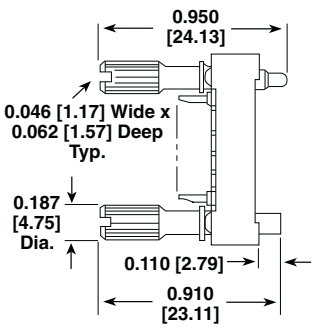
MMP
With Fixed (026L, 027L)
Guides



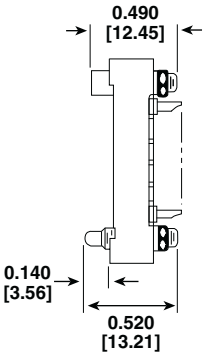
Short Turnable
Screwlocks (SK030)



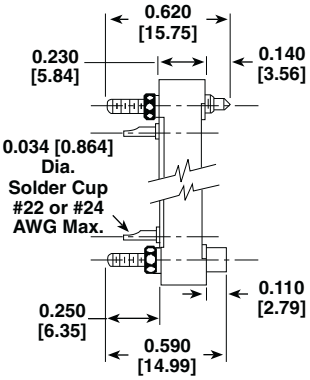
Turnable
Screwlocks (SK)



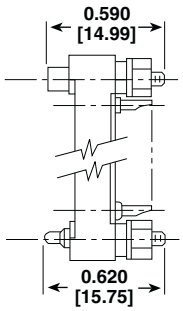
Fixed
Screwlocks (SL)



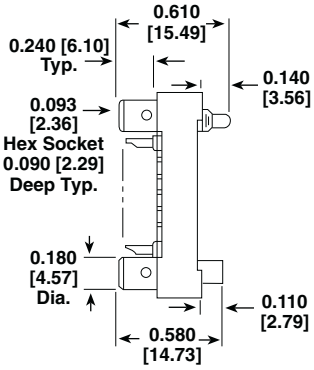
Fixed
Screwlocks (SLL)



Fixed Screwlocks
And Nylon Retaining Nut
And Fiber Washer (NSL)



Short Turnable
Screwlocks (SK2035)



HARDWARE MATING CHART

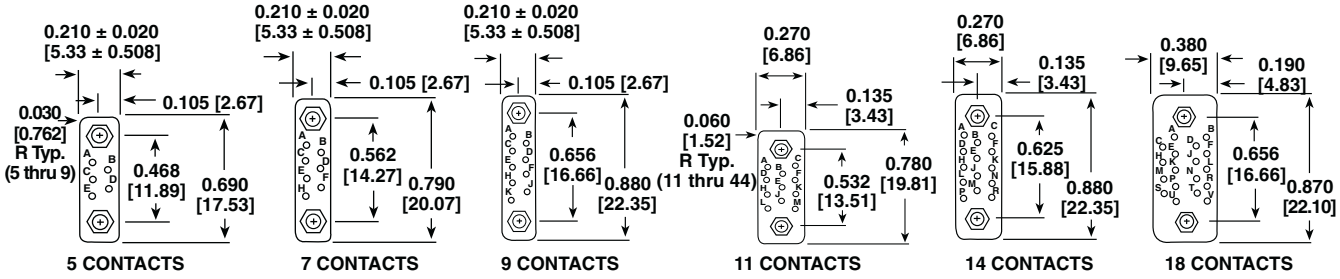
HARDWARE MODEL	MATES WITH HARDWARE MODEL
026	026, 026L
027	027, 027L
SK	SL, NSL or SLL
SK030	SL, NSL or SLL
SK2	SL2, NSL2 or SL2L
SK2030	SL2, NSL2 or SL2L
SK2035	SL2, NSL2 or SL2L

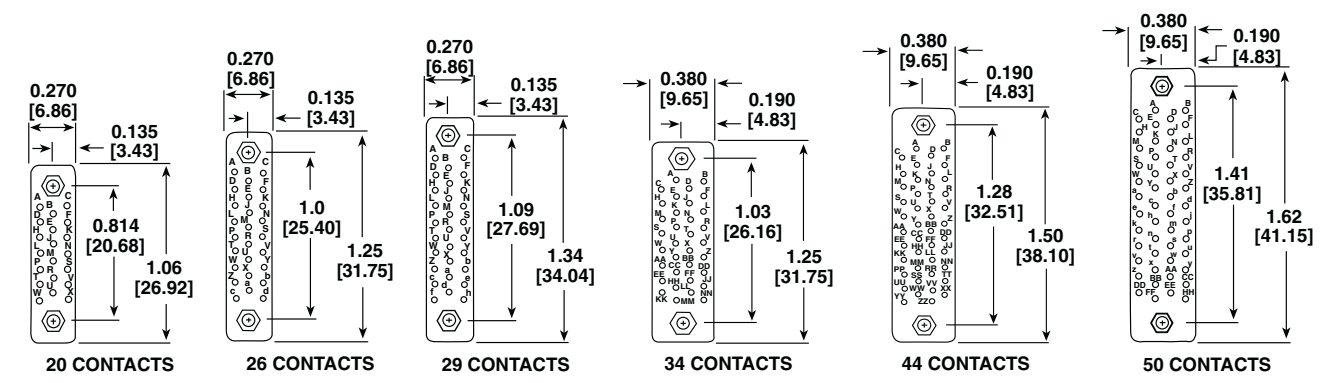
NOTE:
EITHER MMP OR MMS CONNECTORS MAY BE ORDERED WITH ANY TYPE OF HARDWARE SHOWN.

EXAMPLES:
1. MMP WITH 026 HARDWARE WOULD MATE WITH AN MMS WITH 026 HARDWARE.
2. MMS WITH SK HARDWARE WOULD MATE WITH AN MMP WITH SL OR NSL HARDWARE.
3. MMS WITH SL2 HARDWARE WOULD MATE WITH AN MMP WITH SK2 OR SK2030 HARDWARE.

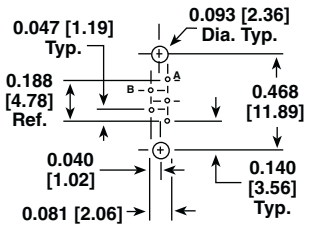
DIMENSIONS in inches [millimeters]

NOTE: The views below show the wiring side of a pin model connector (female is opposite). Socket hardware assembled at "A" contact end of a pin model connector.

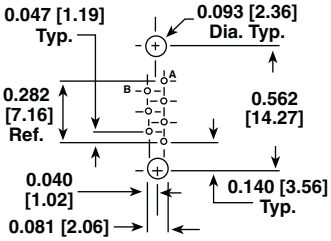




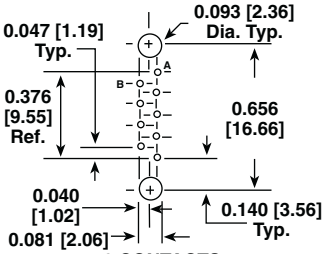
MOUNTING VARIATIONS in inches [millimeters]



5 CONTACTS



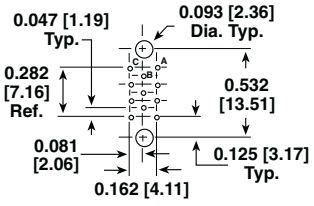
7 CONTACTS



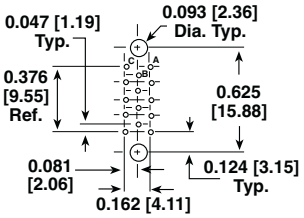
9 CONTACTS

DIP SOLDER PC BOARD MOUNTING PATTERNS

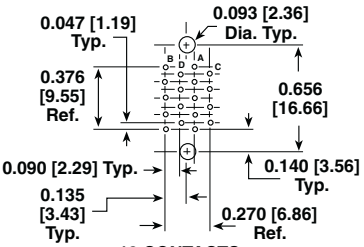
Male (MMP) connector shown - female is opposite. Contact, contact row and mating hole C_L to C_L Dimensions also applies to solder cup style connectors.



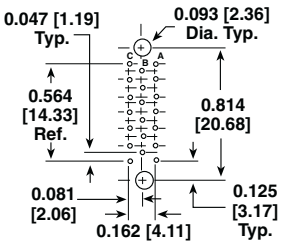
11 CONTACTS



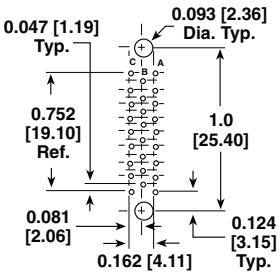
14 CONTACTS



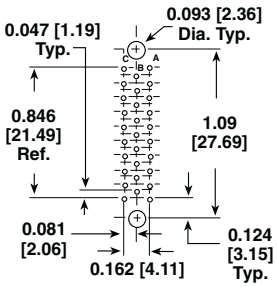
18 CONTACTS



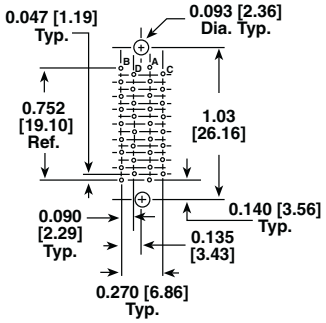
20 CONTACTS



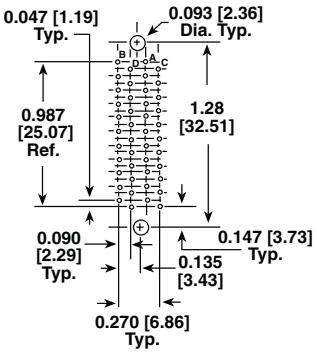
26 CONTACTS



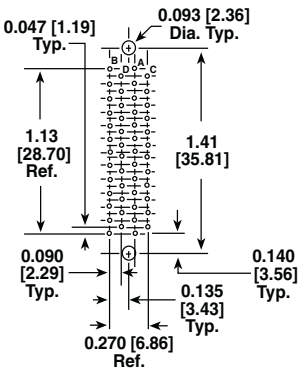
29 CONTACTS



34 CONTACTS

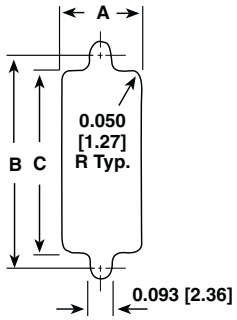


44 CONTACTS



50 CONTACTS

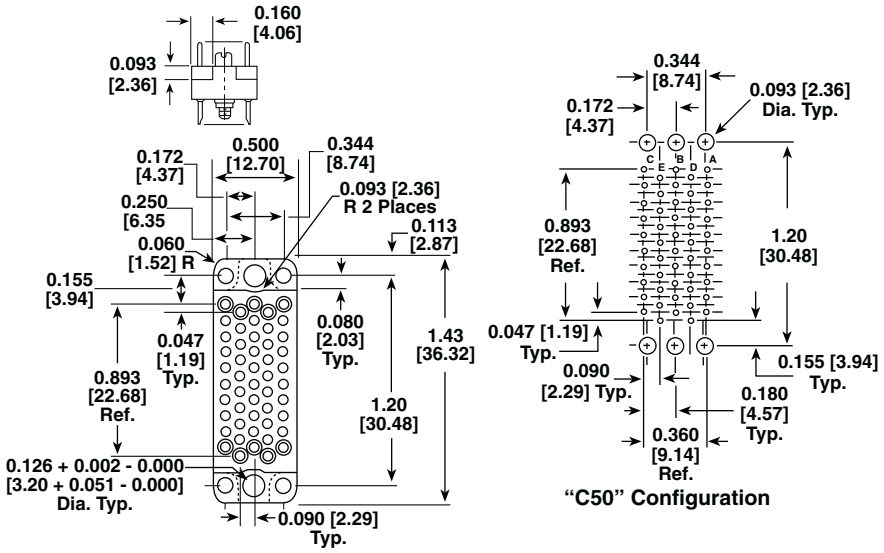
PANEL CUTOUT in inches [millimeters]



NUMBER OF CONTACTS	A	B	C	NUMBER OF CONTACTS	A	B	C
5	0.210 [5.33]	0.468 [11.89]	0.340 [8.64]	20	0.270 [6.86]	0.814 [20.68]	0.690 [17.53]
7	0.210 [5.33]	0.562 [14.27]	0.440 [11.18]	26	0.270 [6.86]	1.0 [25.40]	0.870 [22.10]
9	0.210 [5.33]	0.656 [16.66]	0.530 [13.46]	29	0.270 [6.86]	1.09 [27.69]	0.970 [24.64]
11	0.270 [6.86]	0.532 [13.51]	0.410 [10.41]	34	0.380 [9.65]	1.03 [26.16]	0.910 [23.11]
14	0.270 [6.86]	0.625 [15.88]	0.500 [12.70]	44	0.380 [9.65]	1.28 [32.51]	1.16 [29.46]
18	0.380 [9.65]	0.656 [16.66]	0.530 [13.46]	50	0.380 [9.65]	1.41 [35.81]	1.28 [32.51]

DIMENSIONS in inches [millimeters]

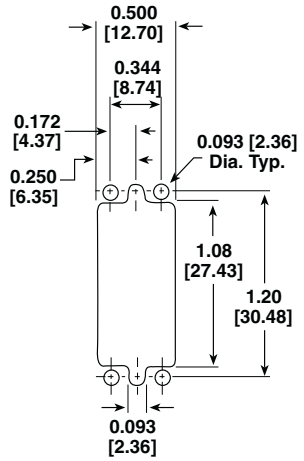
NOTE: The views below show the wiring side of a pin model connector (socket style is opposite). Socket hardware is assembled at "A" contact end of pin connector.



"C50" Configuration

PANEL CUTOUT

in inches [millimeters]

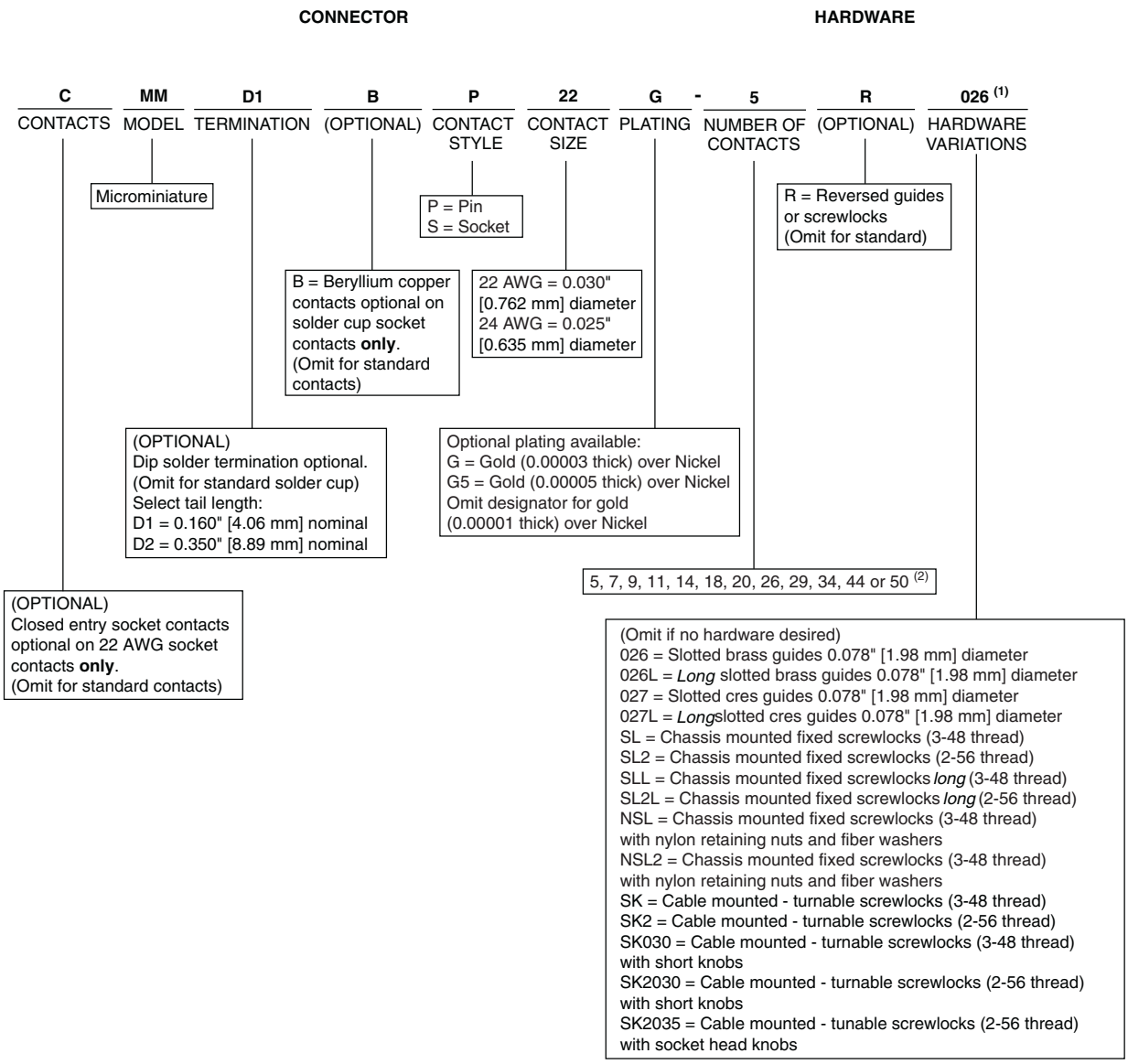


"C50" Configuration

DIP SOLDER PC BOARD MOUNTING PATTERNS

Male (MMP) connector shown - female is opposite. Contact, contact row and mating hole C_L to C_L dimensions also applies to solder cup style connectors.

ORDERING INFORMATION

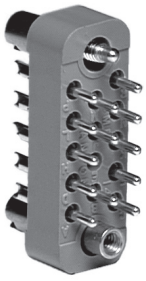


Notes

(1) To order complete connector with hardware supplied unassembled, add suffix “UA” on end of hardware designation.

(2) 50 contact connectors are available in either the standard 4-row contact arrangement per MIL-C-28748 or a special 5-row contact arrangement. To order the special 5-row contact arrangement, use the designator “C50” for the number of contacts.

Rack and Panel Connectors Subminiature Rectangular



SMP20

SMS20

FEATURES

- Lightweight
- Polarized by guides or screwlocks
- Screwlocks lock connectors together to withstand vibration and accidental disconnect
- Overall height kept to a minimum
- Floating contacts aid in alignment and in withstanding vibration
- Contacts, precision machined and individually gauged, provide high reliability
- Insertion and withdrawal forces kept low without increasing contact resistance
- Contact plating provides protection against corrosion, assures low contact resistance and ease of soldering

ELECTRICAL SPECIFICATIONS

Current Rating: 7.5 A
Breakdown Voltage:
At sea level: 2000 V_{RMS}
At 70 000 feet [21 336 meters]: 500 V_{RMS}

PHYSICAL SPECIFICATIONS

Number of Contacts: 5, 7, 11, 14, 20, 26, 34, 42, 50, 75
Contact Spacing: 0.120" [3.05 mm]
Contact Gauge: #20 AWG
Minimum Creepage Path Between Contacts:
0.080" [2.03 mm]
Minimum Air Space Between Contacts: 0.050" [1.27 mm]

APPLICATIONS

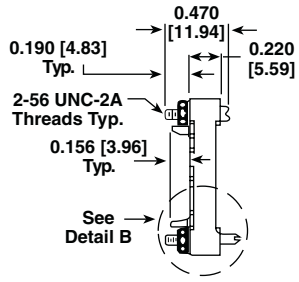
For use wherever space is at a premium and a high quality connector is required in avionics, automation, communications, controls, instrumentation, missiles, computers and guidance systems.

MATERIAL SPECIFICATIONS

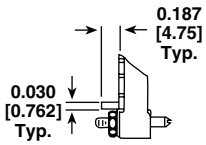
Contact Pin: Brass, gold plated
Contact Socket: Phosphor bronze, gold plated
(Beryllium copper available on request)
Guides: Stainless steel, passivated
Screwlocks: Stainless steel, passivated
Standard Body: Glass-filled diallyl phthalate per MIL-M-14, Model GDI-30F, green

DIMENSIONS in inches [millimeters]

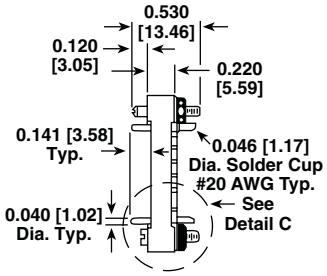
SMS
With Fixed Standard Guides



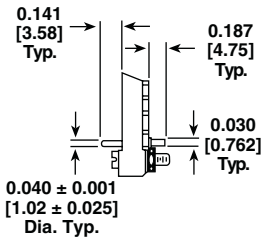
SMDS - DETAIL B
Dip Solder Contact Option



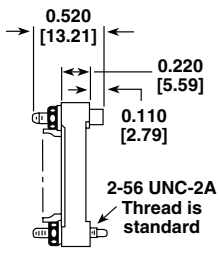
SMP
With Fixed Standard Guides



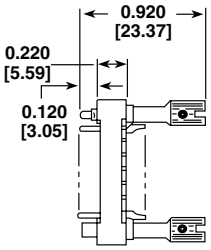
SMDP - DETAIL C
Dip Solder Contact Option



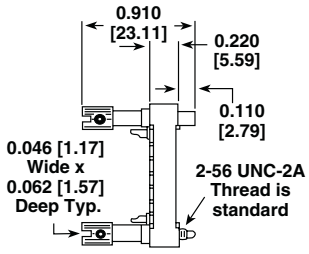
SMS
With Fixed (SL) Screwlocks



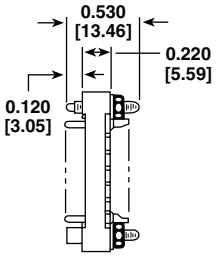
SMP
With Turnable (SK) Screwlocks



SMS
With Turnable (SK) Screwlocks

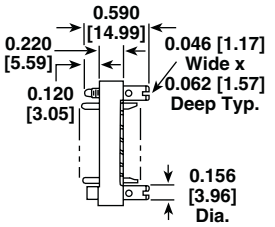


SMP
With Fixed (SL) Screwlocks

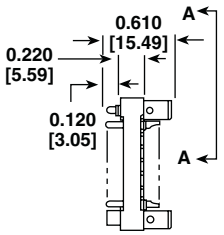


DIMENSIONS in inches [millimeters]

SMP With Turnable (SK030) Screwlocks

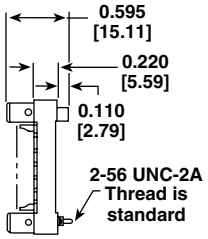


SMP With Turnable (SK035) Screwlocks

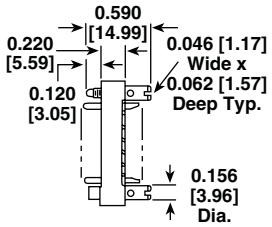


View A-A Typ.

SMS With Turnable (SK035) Screwlocks



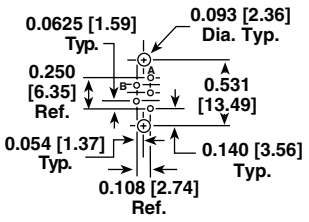
SMP With Turnable (SK030) Screwlocks



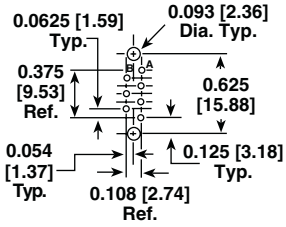
TERMINAL VARIATIONS in inches [millimeters]

DIP SOLDER PC BOARD MOUNTING PATTERNS

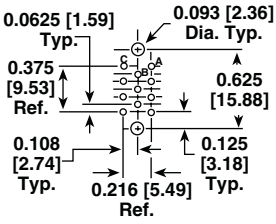
Male (SMP) Connector is shown - Female is opposite. Contact row and Mating Hole ℄ to ℄ Dimensions also applies to Solder Cup Connectors.



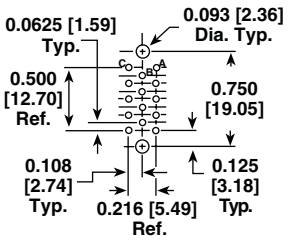
5 CONTACTS



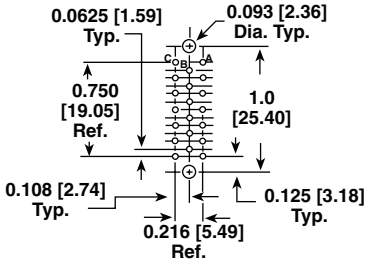
7 CONTACTS



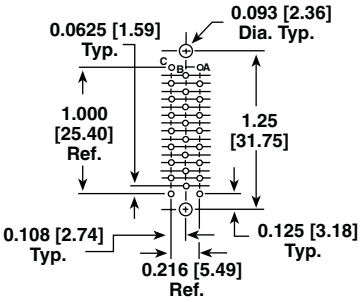
11 CONTACTS



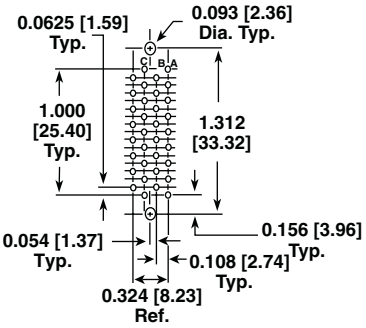
14 CONTACTS



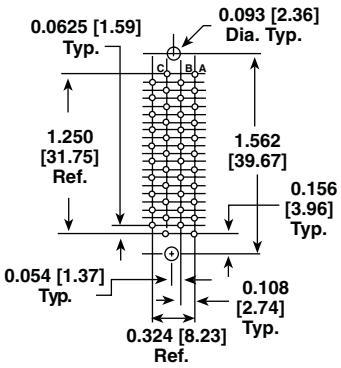
20 CONTACTS



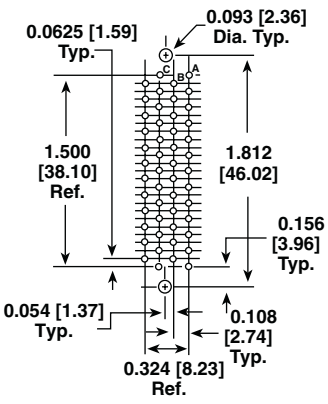
26 CONTACTS



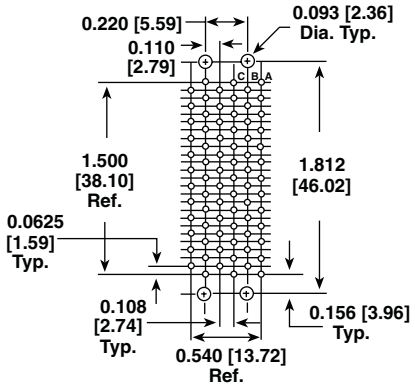
34 CONTACTS



42 CONTACTS



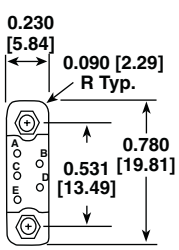
50 CONTACTS



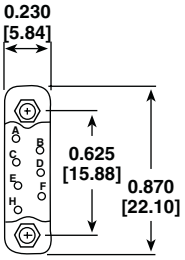
75 CONTACTS

DIMENSIONS in inches [millimeters]

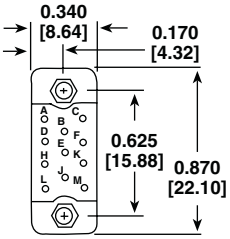
NOTE: The views below show the wiring side of a pin model connector (female is opposite). Socket hardware is assembled at "A" contact end of a pin model connector.



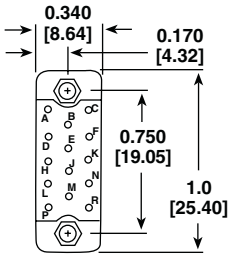
5 CONTACTS



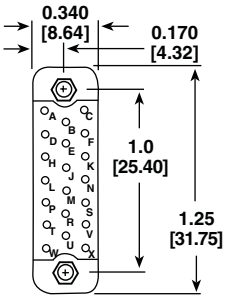
7 CONTACTS



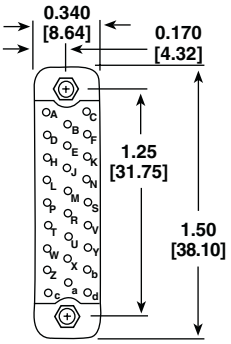
11 CONTACTS



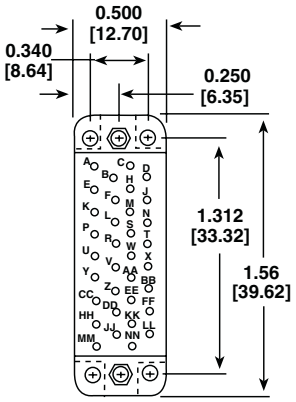
14 CONTACTS



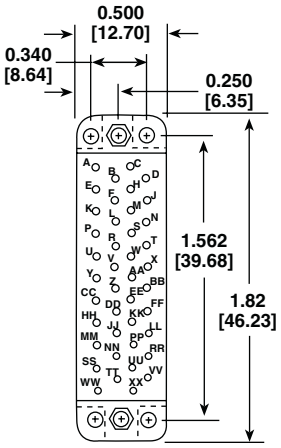
20 CONTACTS



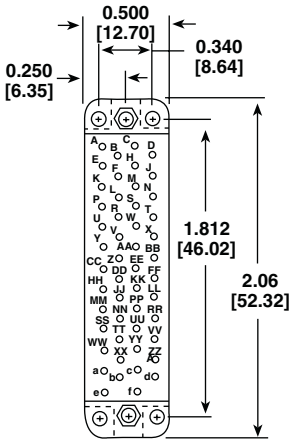
26 CONTACTS



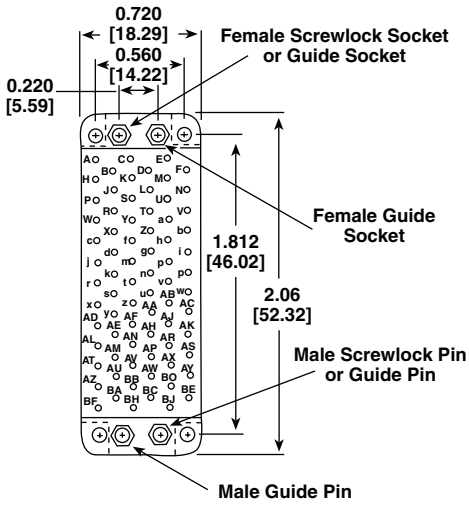
34 CONTACTS



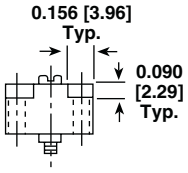
42 CONTACTS



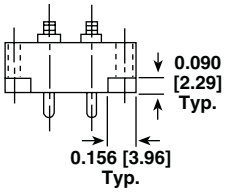
50 CONTACTS



75 CONTACTS



TYPICAL END VIEW
34 THRU 50 CONTACTS



TYPICAL END VIEW
75 CONTACTS

PANEL CUTOUT in inches [millimeters]

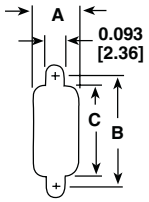


FIGURE I

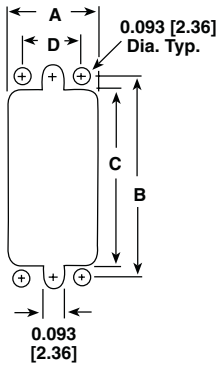


FIGURE II

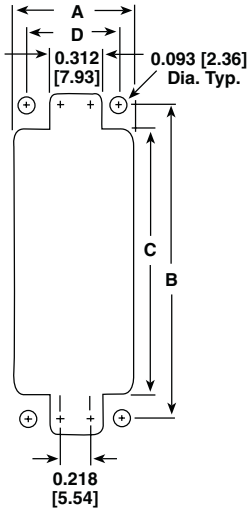


FIGURE III

NUMBER OF CONTACTS	A	B	C	D	FIGURE
5	0.230 [5.84]	0.531 [13.49]	0.410 [10.41]	-	I
7	0.230 [5.84]	0.625 [15.88]	0.500 [12.70]	-	
11	0.340 [8.64]	0.625 [15.88]	0.530 [13.46]	-	
14	0.340 [8.64]	0.750 [19.05]	0.620 [15.75]	-	
20	0.340 [8.64]	1.0 [25.40]	0.910 [23.11]	-	
26	0.340 [8.64]	1.25 [31.75]	1.16 [29.46]	-	
34	0.500 [12.70]	1.312 [33.32]	1.16 [29.46]	0.343 [8.71]	II
42	0.500 [12.70]	1.562 [39.68]	1.41 [35.81]	0.343 [8.71]	
50	0.500 [12.70]	1.812 [46.02]	1.66 [42.16]	0.343 [8.71]	
75	0.720 [18.29]	1.812 [46.02]	1.66 [42.16]	0.562 [14.28]	III

ORDERING INFORMATION

C	SM	B	S	20	G	–	26	R	027 (1)
CONTACTS	MODEL	CONTACT TYPE	CONTACT STYLE	CONTACT SIZE	PLATING		NUMBER OF CONTACTS	(OPTIONAL)	HARDWARE OPTIONS

- **C** – CONTACTS: (OPTIONAL) Closed entry socket contacts only. Omit for standard contacts.
- **SM** – MODEL: Subminiature
- **B** – CONTACT TYPE: (OPTIONAL) B = Beryllium copper, socket contacts (Solder cup); D = Dip solder contacts
- **S** – CONTACT STYLE: P = Pin; S = Socket
- **20** – CONTACT SIZE: #20 AWG
- **G** – PLATING: Optional plating available: G = Gold (0.00003 thick) over nickel; G5 = Gold (0.00005 thick) over nickel; Omit designator for gold (0.00001 thick) over nickel
- **26** – NUMBER OF CONTACTS: 5, 7, 11, 14, 20, 26, 34, 42, 50, 75
- **R** – (OPTIONAL): R = Reversed guides or screwlocks; Omit for standard
- **027** (1) – HARDWARE OPTIONS: (Omit if no hardware desired) 027 = Slotted cres guides 0.090" [2.29 mm] diameter; SK = Turnable screwlocks with 2-56 threads; SK3 = Turnable screwlocks with 3-48 threads; SL = Fixed screwlocks with 2-56 threads; SL3 = Fixed screwlocks with 3-48 threads; SK030 = Turnable screwlocks with short slotted knobs; SK035 = Turnable screwlocks with socket head knobs; SK3030 = Turnable screwlocks with short slotted knobs with 3-48 threads; SK3035 = Turnable screwlocks with socket head knobs with 3-48 threads

EXAMPLES:
SMBS20-26SK035 = Female, 26 beryllium copper socket contacts with socket head knobs on turnable screwlocks for #20 AWG wiring.
SMP20-14SL3 = Male, 14 contact pins, fixed screwlocks with 3-48 threads for #20 AWG wiring.

Note

(1) To order complete connector with hardware supplied unassembled, add suffix “UA” on end of hardware designation.

Edgeboard Connectors

METHODE								VISHAY DALE							
1	2		3	4	5		6	2	1		4	5	6	3
1	80	-	0	0	12	-	009	EB8	1	-	A	6	GF	X
2	80	-	3	9	30	-	009	EB7	D	-	K	15	GF	Y
2	81	-	2	1	18	-	009	EB7	S	-	B	18	GF	Z
								2	1		5	4	6	3
2	79	-	1	5	10	-	09	EBT156*	-		10	B	1	X
1. Insulator material: 1 = Diallyl phthalate 2 = Glass-filled phenolic								1 = Diallyl phthalate 2 = Glass-filled phenolic **Note:** Glass-filled phenolic standard on EB7S, EB7D and EBT156. No number needed.							
2. Product series: 80 = 0.156" C-C dual readout **Note:** Terminal style specifies 0.140" or 0.200" row spacing 81 = 0.156" C-C single readout with bifurcated bellows contacs 79 = 0.156" C-C single readout with tuning fork contacts								EB8 = 0.156" C-C x 0.200" row spacing EB7D = 0.156" C-C x 0.140" row spacing EB7S = 0.156" C-C single readout with bifurcated bellows contacts EBT156 = 0.156" C-C single readout with tuning contacts							
3. Mounting style: 0 = 0.128" dia. clearance hole 1 = 0.142" dia. clearance hole 2 = Floating bushing 3 = 4 to 40 threaded insert 6 = No mounting ears 7 = No mounting ears Use on 79 series only								X = 0.128" dia. clearance hole V = 0.142" dia. clearance hole Z = Floating bushing Y = 4 to 40 threaded insert W = No mounting ears							
4. Terminal style: <u>80 Series</u> 0 = Solder eyelet 2 = 0.160" long dip solder 3 = 0.250" long dip solder 9 = 0.200" long dip solder **Note:** 0, 2, and 3 are 0.200" row spacing. 9 is 0.140" row spacing <u>81 Series</u> 0 = Solder eyelet 1 = Dip solder <u>79 Series</u> 0 = Solder eyelet 3 = Right angle 4 = Wire Wrap™ 5 = 0.125" dip solder								<u>EB8 and EB7D Series</u> A = Solder eyelet L = 0.156" long dip solder K = 0.200" long dip solder K = 0.200" long dip solder <u>EB7S Series</u> A = Solder eyelet B = Dip solder <u>EBT156 Series</u> A = Solder eyelet R = Right angle E = Wire Wrap™ B = 0.125" dip solder							
5. Number of contact positions: 80 series = 6, 8, 10, 12, 15, 18, 22, and 24 81 series = 6, 8, 10, 12, 18, 22, and 24 79 series = 6, 8, 10, 12, 15, 18, 22, and 24								EB8 = 6, 10, 12, 15, 18, 22, 24 and 25 EB7D = 6, 10, 12, 15, 18, 22, 36 and 43 EB7S = 6, 10, 12, 15, 18, and 22 EBT156 = 6, 10, 12, 15, 18, and 22							
6. Plating: 009 = Gold (commercial) 04 = Gold (military) 09 = Tin 007 = Gold (industrial)								GF = 0.000010 µ" gold G5 = 0.000050 µ" gold T = Tin G = 0.000030 µ" gold							

METHODE							VISHAY DALE						
1		2	3	4		5	1	2		3	4	5	2
173	-	0	0	30	-	007	EB6	1	-	K	30	G	X
172	-	3	3	50	-	007	EB4	2	-	C	50	G	Y
1. Product series: 173 = 0.125" C-C x 0.250" row spacing with 0.025 sq. in. terminals for Wire Wrap™ and dip solder 172 = 0.100" C-C x 0.200" row spacing with 0.025 sq. in. terminals for Wire Wrap™ and dip solder							EB6 = 0.125" C-C x 0.250" row spacing with 0.025 sq. terminals for Wire Wrap™ or dip solder EB4 = 0.100" C-C x 0.200" row spacing with 0.025 sq. terminals for Wire Wrap™ or dip solder						
2. Mounting style and insulator material: 0 = 0.128" dia. clearance hole and diallyl phthalate 2 = 0.128" dia. clearance hole and phenolic 1 = 4 to 40 threaded insert and diallyl phthalate 3 = 4 to 40 threaded insert and phenolic							X = 0.125" dia. clearance hole 1 = Diallyl phthalate X = 0.125" dia. clearance hole 2 = Phenolic Y = 4 to 40 threaded insert 1 = Diallyl phthalate Y = 4 to 40 threaded insert 2 = Phenolic						
3. Terminal style: 0 = Wire Wrap™ Series 173, 4 = Dip solder Series 172, 3 = Dip solder							K = Wire Wrap™ C = Dip solder C = Dip solder						
4. Number of contact positions: Series 173 = 30, 40, and 50 Series 172 = 5, 10, 15, 18, 22, 25, 30, 31, 35, 36, 40, 43, 48, and 50							EB6 = 6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50 EB4 = 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, and 60						
5. Contact plating: 007 = Gold over nickel (industrial)							G = 0.000030 µ" gold over nickel						

Notes

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- See the explanation listed below the perspective models.

Competitor Products Cross Reference

Vishay Dale

Edgeboard Connectors

AMPHENOL								VISHAY DALE							
1		2	3	4		5	6	1 & 3				6	2	5	4
225	- 2	06	2	1	-	1	01	EB7	1	D	-	A	6	G	X
225	- 2	10	5	2	-	1	04	EB7	1	S	-	B	10	G	Z
225	- 2	15	2	3	-	1	11	EB8	1	*	-	K	15	G	Y
1		2		3		4		1			2	3	4	1	
143	-	015	-	01	-	123		EBT156		-	15	A	1	X	
1. and 3. Product series: 225-2*2 = 0.156" C-C x 0.140" row spacing Insulator material: Diallyl phthalate 225-2*5 = 0.156" C-C single readout Insulator material: Diallyl phthalate 225-2*2*-*11 = 0.156" C-C x 0.200" row spacing Insulator material: Diallyl phthalate								EB7*D = 0.156" C-C x 0.140" row spacing 1 = Diallyl phthalate EB7*S = 0.156" C-C single readout 1 = Diallyl phthalate EB8* = 0.156" C-C x 0.200" row spacing 1 = Diallyl phthalate							
2. Number of contact positions: 225-2 = 6, 10, 15, 18, 22, 25, 28, 36, and 43								EB7D = 6, 10, 12, 15, 18, 22, 36, and 43 EB7S = 6, 10, 12, 15, 18 and 22 EB8 = 6, 10, 12, 15, 18, 22, 24, and 25							
4. Mounting style: 1 = 0.128" dia. clearance hole 2 = Floating bushing 3 = 4 to 40 threaded insert								X = 0.128" dia. clearance hole Z = Floating bushing Y = 4 to 40 threaded insert							
5. Plating options: 1 = 30 µ" gold								G = 30 µ" gold over nickel							
6. Terminal style: 01 = Solder eyelet 03 = 0.375" long x 0.140" row spacing, dip solder 04 = 0.235" long single readout dip solder 10 = 0.091" long x 0.140" row spacing,dip solder 11 = 0.375" long x 0.200" row spacing,dip solder								A = Solder eyelet K = 0.375" long x 0.140" row spacing dip solder B = 0.220" long single readout dip solder C = 0.125" long x 0.140" row spacing dip solder K = 0.200" long x 0.200" row spacing dip solder							
143 Series								EBT Series							
1. Product series: 143 = 0.156" C-C single readout with tuning fork style Insulator material: Diallyl phthalate								EBT 156 = 0.156" C-C single readout with tuning fork style Insulator material: Phenolic							
2. Number of contact positions: 143 = 6, 10, 12, 15, 18, 22, 28 and 36								143 = 6, 10, 12, 15, 18, and 22							
3. Terminal style: 01 = Solder eyelet 03 = 0.388" long dip solder 07 = 0.107" long dip solder 09 = 0.763" long wire wrap 13 = 0.542" long wire wrap								A = Solder eyelet C = 0.406" long dip solder B = 0.125" long dip solder F = 0.800" long wire wrap E = 0.500" long wire wrap							
4. Plating options: 101 = 10 µ" gold over copper 123 = Bright tin								2 = 10 µ" gold over copper 1 = Bright tin							

WINCHESTER					VISHAY DALE							
1	2	3	4	5	1	1	1	3	2	5	4	
HCB	22	S	1	*	EB7	3	D	-	A	22	GF	Z
HK	10	D	0	*	EB7	*	S	-	B	10	GF	*
HCA	15	D2	2	*	EB8	3	*	-	K	15	GF	Y
1. Product series: HCB = 0.156" C-C x 0.140" row spacing Insulator material: Glass reinforced thermoplastic HK = 0.156" C-C single readout Insulator: Glass-filled phenolic HCA = 0.156" C-C x 0.200" row spacing Insulator material: Glass reinforced thermoplastic					EB7*D = 0.156" C-C x 0.140" row spacing 3 = Glass-filled polyester (thermoplastic) EB7*S = 0.156" C-C x 0.200" single readout Insulator : Glass-filled phenolic EB8 = 0.156" C-C x 0.200" row spacing 3 = Glass-filled polyester (thermoplastic)							
2. Number of contact positions: HCB = 6, 10, 15, 18, 22, 28, 36, and 43 HK = 6, 10, 15, 18, 22, 28, 36, and 43 HCA = 6, 10, 15, 22, and 25					EB7*D = 6, 10, 12, 15, 18, 22, 28, 36, and 43 EB7*S = 10, 12, 15, 18, and 22 EB8 = 6, 10, 12, 15, 18, 22 24, and 25							
3. Terminal style: HCB S = Solder eyelet D1 = 0.125" long dip solder D2 = 0.200" long dip solder D3 = 0.375" long dip solder HK S = Solder eyelet D = 0.190" long dip solder HCA S = Solder eyelet D1 = 0.156" long dip solder D2 = 0.200" long dip solder					EB7*D A = Solder eyelet C = 0.125" long dip solder K = 0.200" long dip solder B = 0.375" long dip solder EB7*S A = Solder eyelet B = 0.220" long dip solder EB8 A = Solder eyelet L = 0.156" long dip solder K = 0.200" long dip solder							
2. Mounting style: 0 = 0.128" dia. clearance hole 1 = Floating bushing 2 = 4 to 40 threaded insert					X = 0.128" dia. clearance hole Z = Floating bushing Y = 4 to 40 threaded insert							
5. Plating: * = No number required standard plating gold over copper					GF = 0.000010 µ" gold over nickel							

Notes

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Competitor Products Cross Reference

Edgeboard Connectors

Vishay Dale

ELCO				VISHAY DALE						
1	2	3	4	1	1		3	2	1	4
6307	050	472	001	EB4	1	-	K	25	G	X
6064	100	061	003	EB6	1	-	K	50	G	Y
				1	4		3	2	1	4
6007	024	450	012	EB8	1	-	A	12	GF	X
1. Product series: 6307 = 0.100" C-C x 0.200" row spacing with 0.025" sq. Terminals, Diallyl Phthalate Standard Insulator material, 0.000010 µ" Gold over Nickel Standard plating 6064 = 0.125" C-C x 0.250" row spacing, Diallyl with 0.025 sq. terminals Phthalate Standard Insulator material, 0.000010 µ" Gold over Nickel Standard plating 6007 = 0.156" C-C x 0.200" row spacing with 0.025" sq. Terminals, Diallyl Phthalate Standard Insulator material, 0.000010 µ" Gold over Nickel Standard plating				EB4 = 0.100" C-C x 0.200" row spacing with 0.025" sq. Terminals 1 = Diallyl Phthalate G = 0.000030 µ" Gold over Nickel EB6 = 0.125" C-C x 0.250" row spacing with 0.025" sq. Terminals 1 = Diallyl Phthalate G = 0.000010 µ" Gold over Nickel EB8 = 0.156" C-C x 0.200" row spacing 1 = Diallyl Phthalate G = 0.000010 µ" Gold over Nickel						
2. Number of contact positions: Series 6307 = 25, 30, 36, 43, and 50 Series 6064 = 15, 28, 36, 40, 43 and 50 Series 6007 = 6, 10, 12, 15, 18, 22, 28, 36, and 43				EB4 = 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, and 60 EB6 = 6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50 EB8 = 6, 10, 12, 15, 18, 22, 24 and 25						
3. Contact code: Series 6307 472 = 0.550" long wire wrap™ terminal Series 6064 061 = 0.580" long wire wrap™ terminal 475 = 0.230" long dip solder terminal Series 6007 450 = Solder eyelet terminal 451 = 0.202 long dip solder				EB4 K = 0.570" long wire wrap™ terminal EB6 K = 0.570" long wire wrap™ terminal C = Long dip solder terminal EB8 A = Solder eyelet terminal C = Long dip solder						
4. Mounting style: Series 6307 001 = 0.128" dia. clearance hole 002 = 4 to 40 threated insert Series 6064 001 = 0.128" dia. clearance hole 003 = 4 to 40 threated insert Series 6007 012 = 0.128" dia. clearance hole 013 = floating bushing 018 = 4 to 40 threated insert				EB4 X = 0.125" dia. clearance hole Y = 4 to 40 threated insert EB6 X = 0.125" dia. clearance hole Y = 4 to 40 threated insert EB8 X = 0.128" dia. clearance hole Z = floating bushing Y = 4 to 40 threated insert						

MICRO PLASTICS						VISHAY DALE						
1		2	3	4	5	1, 3	1		4	2	1	5
MP - 0100 -		10	D	W	5	EB4	3	-	K	10	GF	X
MP - 0125 -		40	D	W	6	EB6	3	-	K	40	GF	Y
MP - 0156 -		22	D	P	3	EB7	3D	-	A	22	GF	Z
MP - 0156 -		15	5	S	4	EB7	3S	-	B	15	GF	W
1. Product series: **3.** Dual or single: MP-0100*-D = 0.100" C-C x 0.200" row spacing Insulator material: Glass filled thermoplastic Plating: 10 µ" Gold over Nickel MP-0125*-D = 0.125" C-C x 250" row spacing Insulator material: Glass filled thermoplastic Plating: 10 µ" Gold over Nickel MP-0156*-D = 0.156" C-C x 145" row spacing Insulator material: Glass filled thermoplastic Plating: 10 µ" Gold over Nickel MP-0156*-S = 0.156" C-C single readout Insulator material: Glass filled thermoplastic Plating: 10 µ" Gold over Nickel						EB43-**GF = 0.100" C-C x 0.200" row spacing 3 = Glass filled polyester GF = 10 µ" Gold over Nickel EB63-**GF = 0.125" C-C x 0.200" row spacing 3 = Glass filled polyester GF = 10 µ" Gold over Nickel EB73D-**GF = 0.156" C-C x 0.140" row spacing 3 = Glass filled polyester GF = 10 µ" Gold over Nickel EB73S-**GF =0.156" C-C single readout 3 = Glass filled polyester GF = 10 µ" Gold over Nickel						
2. Number of contact positions: MP-0100 = 10, 15, 18, 22, 25, 28, 30, 36, 40, 43, 44, 50, 60, 65, and 70 MP-0125 = 10, 15, 18, 22, 28, 30, 31, 35, 36, 40, 43, and 50 MP-0156-*D = 6, 10, 12, 15, 18, 22, 24, 25, 28, 36, and 43 MP-0156-*S = 6, 10, 12, 15, 18, 22, 24, 25, 28, 36, and 43						EB4 = 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50 and 60 EB6 = 6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50 EB7*D = 6, 10, 12, 15, 18, 22, 36 and 43 EB7*S = 6, 10, 12, 15, 18, and 22						
4. Terminal style: MP-0100 and MP-0125 W = 0.025 sq. x 0.560" long MP-0156*D P = solder eyelet S = 0.210" long dip solder MP-0156*S P = solder eyelet S = 0.210" long dip solder						EB4 and EB6 K = 0.025 sq. x 0.570" long EB7D A = solder eyelet K = 0.200" long dip solder EB7S A = solder eyelet B = 0.220" long dip solder						
5. Mounting style: MP-0100 and MP-0125 4 = no mounting ears 5 = 0.125" clearance hole 6 = 4 to 40 threaded insert MP-0156-*D and MP-0156-*S 1 = 0.125" clearance hole 2 = 4 to 40 threaded insert 3 = floating bushing 4 = no mounting ears						EB4 and EB6 W = no mounting ears X = 0.125" clearance hole Y = 4 to 40 threaded insert EB7D and EB7S X = 0.128" clearance hole Y = 4 to 40 threaded insert Z = floating bushing W= no mounting ears						

Notes

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Competitor Products Cross Reference

Vishay Dale

Edgeboard Connectors

EDAC					VISHAY DALE						
1	2	3	4	5	1	1		3	2	1	4, 5
345	060	540	2	02	EB4	1	-	K	30	SG	XF
346	100	520	8	01	EB6	1	-	C	50	SG	W
305	030	500	2	03	EB7	1D	-	A	15	SG	Z
306	018	525	1	01	EB7	1S	-	B	18	SG	W
307	050	520	2	08	EB8	1	-	K	25	GF	Y

1. Product series:

345 =	0.100" C-C x 0.200" row spacing Insulator material: Diallyl Phthalate Contact plating: 0.000030 µ" gold inlay, nickel tin alloy contacts	EB4 = 0.100" C-C x 0.200" row spacing 1 = Diallyl Phthalate SG = 0.000030 µ" gold on contact area with gold flash on terminal
346 =	0.125" C-C x 0.250" row spacing Insulator material: Diallyl Phthalate Contact plating: 0.000030 µ" gold inlay, nickel tin alloy contacts	EB6 = 0.125" C-C x 0.250" row spacing 1 = Diallyl Phthalate SG = 0.000030 µ" gold on contact area with gold flash on termnal
305 =	0.156" C-C x 0.140" row spacing Insulator material: Diallyl Phthalate Contact plating: 0.000030 µ" gold inlay, nickel tin alloy contacts	EB7*D = 0.156" C-C x 0.140" row spacing 1 = Diallyl Phthalate SG = 0.000030 µ" gold on contact area with gold flash on termnal
306 =	0.156" C-C single readout Insulator material: Diallyl Phthalate Contact plating: 0.000010 µ" to 0.000020 µ" gold over nickel	EB7*S = 0.156" C-C single readout 1 = Diallyl Phthalate GF = 0.000010 µ" gold over nickel
3407 =	0.156" C-C x 0.200" row spacing Insulator material: Diallyl Phthalate Contact plating: 0.000010 µ" to 0.000020 µ" gold over nickel	EB8 = 0.156" C-C x 0.200" row spacing 1 = Diallyl Phthalate GF = 0.000010 µ" gold over nickel

2. Number of contact positions:

345 =	5, 6, 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 24, 25, 28, 30, 31, 32, 33, 35, 36, 37, 38, 40, 41, 43, 48, 49, 50, 51, 60, 61, and 65	EB4 = 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, and 60
346 =	6, 7, 10, 15, 22, 24, 25, 28, 30, 31, 35, 36, 40, 43, and 50	EB6 = 6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50
305 =	6, 10, 12, 15, 18, 22, 25, 28, 30, 36, and 43	EB7*D = 6, 10, 15, 18, 22, 36 and 43
306 =	6, 8, 10, 12, 15, 18, 22, 24, 25, 28, 30, 36, and 43	EB7*S = 6, 10, 12, 15, 18, and 22
307 =	6, 7, 10, 11, 12, 13, 14, 15, 18, 20, 22, 24, 25, 28, 30, 36, and 43	EB8 = 6, 10, 12, 15, 18, 22, 24, and 25

EDAC					VISHAY DALE						
1	2	3	4	5	1	1		3	2	1	4, 5
345	060	540	2	02	EB4	1	-	K	30	SG	XF
346	100	520	8	01	EB6	1	-	C	50	SG	W
305	030	500	2	03	EB7	1D	-	A	15	SG	Z
306	018	525	1	01	EB7	1S	-	B	18	SG	W
307	050	520	2	08	EB8	1	-	K	25	GF	Y

3. Terminal style:

345 and 346	EB4 and EB6
520 = 0.025" sq. x 0.210" long dip solder	C = 0.025" sq. x 0.175" long dip solder
521 = 0.025" sq. x 0.150 "long dip solder	D = 0.025" sq. x 0.115" long dip solder
540 = 0.025" sq. x 0.560" long wire wrap™	K = 0.025" sq. x 0.560" long wire wrap™
305, 306, and 307	EB7*D, EB7*S and EB8
500 = Solder eyelet	A = Solder eyelet
520 = 0.213" long dip solder	K = 0.200" long dip solder
521 = 0.125" long dip solder	C = 0.125" long dip solder
525 = 0.213" long dip solder with 30 µ" gold inlay	K = 0.200" long dip solder specify SG for 30 µ" selective gold in contact area

4. Readout insulator style:

345, 2 = Dual readout flush mounting	EB4 = Dual readout, see mounting style for flush or offset designation
8 = Dual readout offset mounting	
346, 2 = Dual readout flush mounting	EB6 = Dual readout, see mounting style for flush or offset designation
8 = Dual readout offset mounting	
305, 2 = Dual readout flush mounting	EB7*D = Dual readout flush mounting
301, 2 = Center single readout flush mounting	EB7*S = Center single readout flush mounting
307, 2 = Dual readout flush mounting	EB8 = Dual readout, flush mounting

5. Mounting style:

01 = No mounting lugs	W = No mounting lugs
02 = 0.128" Dia. clearance hole	X = 0.128" Dia. clearance hole
03 = Floating bushing	XF = 0.128" clearance hole with flush mounting for EB4 and EB6
08 = 4 to 40 threaded insert	Z = Floating bushing
	Y = 4 to 40 threaded insert
	YF = 4 to 40 threaded insert with flush mounting for EB4 and EB6

Notes

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- See the explanation listed below the perspective models.

Competitor Products Cross Reference

Edgeboard Connectors

Vishay Dale

HOLMBERG							VISHAY DALE							
1	1	2	3	4	5	6	1	1		3, 6	2	4	5
A8	D	10	DS	29	A	J	EB4	3	-	C	10	SG	X
A7	D	22	WW	29	B	J	EB6	3	-	K	22	SG	Y
B3	D	18	PE	08	C	1	EB8	3	-	A	18	GF	W
A2	S	15	DS	09	A	1	EB7	3S	-	B	15	G	X1
A2	D	36	PE	49	B	1	EB7	3D	-	A	36	SG	Y

1. Product series:

A8D =	0.100" C-C x 0.200" row spacing Insulator material: Glass-filled thermoplastic
A7D =	0.125" C-C x 0.250" row spacing Insulator material: Glass-filled thermoplastic
B3D =	0.156" C-C x 0.200" row spacing Insulator material: Glass-filled thermoplastic
A2S =	0.156" C-C single readout Insulator material: Glass-filled thermoplastic
A2D =	0.156" C-C x 0.140" row spacing Insulator material: Glass-filled thermoplastic

EB4 =	0.100" C-C x 0.200" row spacing 3 = Glass-filled polyester
EB6 =	0.125" C-C x 0.250" row spacing 3 = Glass-filled polyester
EB8 =	0.156" C-C x 0.200" row spacing 3 = Glass-filled polyester
EB7*S =	0.156" C-C single readout 3 = Glass-filled polyester
EB7*D =	0.156" C-C x 0.140" row spacing 3 = Glass-filled polyester

2. Number of contact positions:

A8D =	10, 12, 15, 20, 22, 25, 28, 30, 35, 36, 40, 43, 50 and 60
A7D =	10, 15, 18, 20, 22, 25, 28, 30, 35, 36, 40,43, and 50
B3D =	6, 10, 12, 15, 18, 22, 24, 25, 28, 36, and 43
A2S =	6, 10, 12, 15, 18, 22, and 25
A2D =	6, 10, 12, 15, 18, 22, 25, 28, 36, and 43

EB4 =	10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, and 60
EB6 =	6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50
EB8 =	6, 10, 12, 15, 18, 22, 24 and 25
EB7*S =	6, 10, 12, 15, 18, and 22
EB7*D =	6, 10, 12, 15, 18, 22, 36, and 43

HOLMBERG							VISHAY DALE							
1	1	2	3	4	5	6	1	1		3, 6	2	4	5
A8	D	10	DS	29	A	J	EB4	3	-	C	10	SG	X
A7	D	22	WW	29	B	J	EB6	3	-	K	22	SG	Y
B3	D	18	PE	08	C	1	EB8	3	-	A	18	GF	W
A2	S	15	DS	09	A	1	EB7	3S	-	B	15	G	X1
A2	D	36	PE	49	B	1	EB7	3D	-	A	36	SG	Y

3., 6. Terminal style and length:

A8D and A7D	
DS =	Solder dip
J =	0.160 long
WW =	Wire wrap™
J =	0.560" long
B3D	
DS =	Solder dip x 0.155" long
PE =	Solder eyelet
A2S	
DS =	Solder dip x 0.220" long
PE =	Solder eyelet
A2D	
DS =	Solder dip x 0.220" long
PE =	Solder eyelet

EB4 and EB6	
C =	Solder dip x 0.175" long
K =	Wire wrap™ x 0.570" long
EB8	
K =	Solder dip x 0.200" long
A =	Solder eyelet
EB7*S	
B =	Solder dip x 0.220" long
A =	Solder eyelet
EB7*D	
K =	Solder dip x 0.220" long
A =	Solder eyelet

4. Plating options:

29 =	Selective 30 µ" Gold over Nickel in contact areas with 0.002 to 0.003 Sn/Pb on terminals
08 =	10 µ" Gold over Nickel
49 =	30 µ" Gold over Nickel in contact area with Gold flash on terminals
09 =	30 µ" Gold over Nickel

SG =	Selective 30 µ" Gold over Nickel in contact areas with 0.002 to 0.003 Sn/Pb on terminals
GF =	10 µ" Gold overNickel
SG =	30 µ" Gold over Nickel in contact area with Gold flash on terminals
G =	30 µ" Gold over Nickel

5. Mounting style:

A8D, A7D and B3D	
A =	0.125" Dia. clearance hole
B =	4 to 40 threaded insert
C =	No mounting ears
A2S and A2D	
A =	0.125" Dia. clearance hole without pads
B =	4 to 40 threaded insert
C =	No mounting ears

EB4, EB6 and EB8	
X =	0.125" Dia. clearance hole
Y =	4 to 40 threaded insert
W =	No mounting ears
EB7*S and B7*D	
X1 =	0.125" Dia. clearance hole without pads
Y =	4 to 40 threaded insert
W =	No mounting ears

Notes

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Competitor Products Cross Reference

Vishay Dale — Edgeboard Connectors

TEKA					VISHAY DALE						
1	2	3	4	5	1	1	4	2	5	3	
TP1	- 25	1	W	04	EB4	3 -	K	25	SG	XF	
TP2	- 30	2	S	03	EB4	3 -	C	30	G	Y	
TP5	- 40	1	W	04	EB6	3 -	K	40	SG	X	
TP3	- 22	3	E	02	EB8	3 -	A	22	GF	Z	
TP4C	- 10	1	S	03	EB7	3S -	B	10	G	X	

1. Product series:

TP1 =	0.100 "C-C x 0.200" row spacing with flush mounting Insulator material: Glass-filled thermoplastic
TP2 =	0.100" C-C x 0.200" row spacing with offset mounting Insulator material: Glass-filled thermoplastic
TP5 =	0.125" C-C x 0.250" row spacing with offset mounting Insulator material: Glass-filled thermoplastic
TP3 =	0.156" C-C x 0.200" row spacing Insulator material: Glass-filled thermoplastic
TP4C=	0.156" C-C single readout Insulator material: Glass-filled thermoplastic

EB4 =	0.100" C-C x 0.200 row spacing . Add the letter F to the mounting style designator for flush mount
3 =	Glass-filled polyester
EB4 =	0.100" C-C x 0.200" row spacing. Offset mounting standard
3 =	Glass-filled polyester
EB6 =	0.125" C-C x 0.250" row spacing. Offset mounting standard
3 =	Glass-filled polyester
EB8 =	0.156" C-C row spacing
3 =	Glass-filled polyester
EB7*S =	0.156" C-C Single readout
3 =	Glass-filled polyester

2. Number of contact positions:

TP1 =	8, 10, 15, 18, 22, 25, 28, 30, 35, 36, 40, 43, and 50
TP2 =	10, 15, 18, 22, 25, 28, 30, 35, 36, 40, 43, and 50
TP5 =	15, 18, 22, 25, 28, 30, 31, 35, 36, 40, 43, and 50
TP3 =	6, 10, 12, 15, 18, 22, 25, 28, 30, 36, and 43
TP4C =	6, 10, 12, 15, 18, 22, 25, 28, 30, 36, and 43

EB4 =	10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50 and 60
EB4 =	10, 12, 15, 18, 22, 25, 28, 30, 31,35, 36, 40, 43, 44, 48, 49, 50 and 60
EB6 =	6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49 and 50
EB8 =	6, 10, 12, 15, 18, 22, 24 and 25
EB7*S =	6, 10, 12, 15, 18 and 22

TEKA					VISHAY DALE						
1	2	3	4	5	1	1	4	2	5	3	
TP1	- 25	1	W	04	EB4	3 -	K	25	SG	XF	
TP2	- 30	2	S	03	EB4	3 -	C	30	G	Y	
TP5	- 40	1	W	04	EB6	3 -	K	40	SG	X	
TP3	- 22	3	E	02	EB8	3 -	A	22	GF	Z	
TP4C	- 10	1	S	03	EB7	3S -	B	10	G	X	

3. Mounting style:

	TP1
1 =	0.128" Dia .clearance hole with flush mounting
2 =	4 to 40 threaded insert with flush mounting
	TP2 and TP5
1 =	0.128" Dia .clearance hole with offset mounting
2 =	4 to 40 threaded insert with offset mounting
	TP3 and TP4C
1 =	0.128" Dia. clearance hole
2 =	4 to 40 threaded insert
3 =	Floating bushing

	EB4
XF =	0.125" Dia. clearance hole with flush mounting
YF =	4 to 40 threaded insert with flush mounting
	EB4 and EB6
X =	0.128" Dia. clearance hole with offset mounting
Y =	4 to 40 threaded insert with offset mounting
	EB8 and EB7*S
X =	0.128" clearance hole
Y =	4 to 40 threaded insert
Z =	Floating bushing

4. Terminal style:

	TP1, TP2 and TP5
S =	Solder dip x 0.170" long
W =	Wire wrap™ x 0.560 long
	TP3
S =	Solder dip x 0.170" long
E =	Solder eyelet
	TP4C
S =	Solder dip x 0.170" long
E =	Solder eyelet

	EB4 and EB6
C =	Solder dip x 0.175" long
K =	Wire wrap™ x 0.570" long
	EB8
K =	Solder dip x 0.200" long
A =	Solder eyelet
	EB7*S
B =	Solder dip x 0.220" long
A =	Solder eyelet

5. Plating options:

02 =	10 µ" Gold
03 =	30 µ" Gold
04 =	30 µ" Gold selective on Copper Nickel alloy

GF =	10 µ" Gold over Nickel
G =	30 µ" Gold over Nickel
SG =	30 µ" Gold over Nickel in contact area with Gold flash on terminals

Notes

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Competitor Products Cross Reference

Edgeboard Connectors

Vishay Dale

VIKING							VISHAY DALE						
1	2	3	4	5	6	7	1.5	4		6	3	2	7
3	VN	50	/ 1	J	ND	5	EB4	1	-	K	50	G	X
3	KT	36	/ 02	J	NH	03	EB4	3	-	K	36	SGF	Y
3	KH	28	/ 9	C	ND	1	EB6	2	-	K	28	GF	XF
3	VT	49	/ 02	C	NJ	12	EB6	3	-	C	49	SG	W
2	VH	22	/ 9	A	N	8	EB7D	*	-	A	22	G	Z
2	KH	10	/ 9	A	K	5	EB7S	*	-	B	10	GF	X1

1. Keying between contacts, all numbers

All models keying between contacts

5. PC board openings and contact spacing all models shown except 0.062" boards

All models shown except 0.062" boards

J = 0.100" C-C x 0.200" row spacing
C = 0.125" C-C x 0.250" row spacing
A = 0.156 C-C single and dual

EB4 = 0.100" C-C x 0.200" row spacing
EB6 = 0.125" C-C x 0.250" row spacing
EB7D = 0.156" C-C x 140" row spacing
EB7S = 0.156" C-C x single readout

2. Plating options:

KH = 10 µ" Gold over Nickel
GF = 10 µ" Gold over Nickel

VH = 30 µ" Gold over Nickel
G = 30 µ" Gold over Nickel

KT = 10 µ" Gold over Nickel in contact area. Tin on terminals
SGF = 10 µ" Gold over Nickel in contact area. Gold flash on terminals

VT = 30 µ" Gold over Nickel in contact area. Tin on terminals
SG = 30 µ" Gold over Nickel in contact area. Gold flash on terminals

3. Number of contact positions:

J spacing, 3KH, 3VH and 3VN = 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 49, 50, 55, 60, 65,and 70
EB4 = 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, and 60

J spacing, 3KT, and 3VT = 8, 15, 17, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 49, 50, 55, 60, 65, and 70
EB4 = Same as above

C spacing, 3KH, 3VH, 3KT and 3VT = 6, 10, 14, 15, 18, 22, 24, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50
EB6 = 6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50

A spacing, 2KH, 2VH, and 2VN Dual readout = 6, 10, 15, 18, 22, 36 and 43
EB7D = 6, 10, 14, 15, 18, 22, 36, and 43

A spacing, 2KH, 2VH Single readout = 6, 10, 15, 18, 22, and 36
EB7D = 6, 10, 12, 15, 18, and 22

VIKING							VISHAY DALE						
1	2	3	4	5	6	7	1.5	4		6	3	2	7
3	VN	50	/ 1	J	ND	5	EB4	1	-	K	50	G	X
3	KT	36	/ 02	J	NH	03	EB4	3	-	K	36	SGF	Y
3	KH	28	/ 9	C	ND	1	EB6	2	-	K	28	GF	XF
3	VT	49	/ 02	C	NJ	12	EB6	3	-	C	49	SG	W
2	VH	22	/ 9	A	N	8	EB7D	*	-	A	22	G	Z
2	KH	10	/ 9	A	K	5	EB7S	*	-	B	10	GF	X1

4. Insulator material:

1 = Diallyl phthalate
9 = Phenolic
02 = Glass reinforced polyester

1 = Diallyl phthalate
2 = Phenolic
3 = Glass-filled polyester

6. Terminal style:

3**/*J Series
ND = 0.025" sq. x 0.570" long
NH = 0.025" sq. x 0.625" long
NJ = 0.025" sq. x 0.275" long

EB4 Series
K = 0.025" sq. x 0.570" long
K = 0.025" sq. x 0.625" long
C = 0.025" sq. x 0.175" long

3**/*C Series
ND = 0.025" sq. x 0.570" long
NH = 0.025" sq. x 0.650" long
NJ = 0.025" sq. x 0.250" long

EB6 Series
K = 0.025" sq. x 0.375" long
K = 0.025" sq. x 0.125" long
C = 0.025" sq. x 0.200" long

2**/*A dual readout
N = solder eyelet
V = 0.380" long dip solder
E = 0.132" long dip solder
DD = 0.195" long dip solder

EB7D Series
A = solder eyelet
B = 0.380" long dip solder
C = 0.132" long dip solder
K = 0.195" long dip solder

2**/*A single readout
K = 0.220" long dip solder
B = solder eyelet

EB7S Series
B = 0.220" long dip solder
A = solder eyelet

7. Mounting style:

3**/*J and 3**/*C Series
1 = 0.125" Dia. clearance hole with flush mounting
3 = 0.125" Dia. clearance hole with offset mounting
5 = 4 to 40 threaded insert with offset mounting
12 = No mounting flange

EB4 and EB6
XF = 0.125 Dia. clearance hole with flush mounting
Y = 4 to 40 threaded insert with offset mounting
X = 4 to 40 threaded insert with offset mounting
W = No mounting flange

2**/*A Dual and single readout
3 = 4 to 40 threaded inserts
5 = 0.128" Dia. clearance hole
8 = Floating bushing
12 = No mounting flange

EB7D and EB7S Series
Y = 4 to 40 threaded inserts
X = 0.128 Dia. clearance hole
Z = Floating bushing
W = No mounting flange

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Competitor Products Cross Reference

Vishay Dale — Edgeboard Connectors

SULLINS							VISHAY DALE						
1	2	3	4	5	6	7	1, 3, 5			6	4	2	7
E	S	C	22	D	RM	H	EB4	3	-	K	22	GF	X
E	S	A	40	D	RS	D	EB6	3	-	C	40	GF	XF
E	M	M	18	D	RX	F	EB8	3	-	C	18	G	Z
E	M	M	10	S	SU	N	EB7	3S	-	B	10	G	W
E	S	M	36	D	RY	1	EB7	3D	-	B	36	GF	Y

SULLINS	VISHAY DALE
1. Phosphor bronze contact material	All models - Phosphor bronze contact material
3. Contact spacing	
5. Dual or single row	
**C*D = 0.100" C-C x 0.200" row spacing	EB4 = 0.100" C-C x 0.200" row spacing
**A*D = 0.125" C-C x 0.250" row spacing	EB6 = 0.125" C-C x 0.250" row spacing
**M*DRX and RU = 0.156" C-C x 0.200" row spacing	EB8 = 0.156" C-C x 200" row spacing
**M*S = 0.156" C-C single readout	EB7S = 0.156" C-C single readout
**M*DRT and RY = 0.156" C-C x 0.140" row spacing	EB7D = 0.156" C-C x 140" row spacing
2. Plating options:	
S = 10 µ" Gold	GF = 10 µ" Gold over Nickel
M = 30 µ" Gold	G = 30 µ" Gold over Nickel
Z = 10 µ" Gold on contact area only.	SGF = 10 µ" Gold on contact area with Gold flash on terminals all over Nickel
4. Number of contact positions:	
E*C*D = 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 49, 50, 55, 60, 61, 65, and 70	EB4 = 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 35, 36, 40, 43, 44, 48, 49, 50, and 60
E*A*D = 6, 10, 14, 15, 18, 22, 28, 30, 31, 32, 35, 36, 40, 44, 49, and 50	EB6 = 6, 10, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49, and 50
E*M*DRX and RU = 6, 8, 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 36, 40 and 43	EB8 = 6, 10, 12, 15, 18, 22, 24, and 25
E*M*S = 6, 8, 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 36, 40 and 43	EB7S = 6, 10, 12, 15, 18, and 22,
E*M*DRT and RY = 6, 8, 10, 12, 15, 18, 20, 22, 25, 28, 30, 31, 36, 40, and 43	EB7D = 6, 10, 12, 15, 18, 22, 36, and 43

SULLINS							VISHAY DALE						
1	2	3	4	5	6	7	1, 3, 5			6	4	2	7
E	S	C	22	D	RM	H	EB4	3	-	K	22	GF	X
E	S	A	40	D	RS	D	EB6	3	-	C	40	GF	XF
E	M	M	18	D	RX	F	EB8	3	-	C	18	G	Z
E	M	M	10	S	SU	N	EB7	3S	-	B	10	G	W
E	S	M	36	D	RY	1	EB7	3D	-	B	36	GF	Y

SULLINS	VISHAY DALE
6. Terminal style:	
E*C*D and E*A*D	EB4 and EB8
RM = 0.025" sq. x 0.560" long	K = 0.025" sq. x 0.570" long
RS = 0.025" sq. x 0.190" long	C = 0.025" sq. x 0.175" long
E*M*D	EB8
RX = 0.137" long dip solder	C = 0.125" long dip solder
RU = 0.225" long dip solder	K = 0.200" long dip solder
RE = solder eyelet	A = Solder eyelet
E*M*S	EB7S
SU = 0.210" long dip solder	B = 0.220" long dip solder
RE = Solder eyelet	A = Solder eyelet
E*M*D	EB7D
RT = 0.137" long dip solder	C = 0.125" long dip solder
RY = 0.381" long dip solder	B = 0.375" long dip solder
RE = Solder eyelet	A = Solder eyelet
7. Mounting style:	
E*C*D and E*A*D	EB4 and EB6
H = 0.125" Dia .clearance hole	X = 0.125" Dia. clearance hole
I = 4 to 40 threaded insert	Y = 4 to 40 threaded insert
N = No mounting ears	W = No mounting ears
D = Floating bushing	XF = 0.125" Dia. clearance hole with flush mounting
E*M*D and E*M*S	EB8, EB7D and EB7S
H = 0.125" Dia .clearance hole	X = 0.128" Dia. clearance hole
I = 4 to 40 threaded insert	Y = 4 to 40 threaded insert
N = No mounting ears	W = No mounting ears
F = Floating bushing	Z = Floating bushing

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Competitor Products Cross Reference

Edgeboard Connectors

Vishay Dale

CINCH	VISHAY DALE
	1 1 4 2 5 3
	EB4 3 - K 25 SGF XF EB4 1 - D 22 SGF W EB8 3 - BE 18 GF X EB8 1 - A 6 SGF X EB7 3S - B 10 SGF X EB7 1D - C 15 SGF W
1. Product series:	EB4 = 0.100" C-C x 0.200" row spacing . 3 = Glass-filled polyester EB4 = 0.100" C-C x 0.200" row spacing. 1 = Diallyl phthalate EB8 = 0.156" C-C x 0.200" row spacing 3 = Glass-filled polyester EB8 = 0.156" C-C x 0.200" row spacing 1 = Diallyl phthalate EB7*S = 0.156" C-C Single readout 3 = Glass-filled polyester EB7*D = 0.156" C-C x 0.140" row spacing 1 = Diallyl phthalate
2. Number of contact positions:	EB43 = 12, 15, 18 ,20, 22, 25, 28, 30, 31, 36, 40, 43, 44, 49, 50, and 60 EB41 = 15, 22, 36, 40, 43, and 50 EB83 = 6, 10, 12, 15, 18, 22, 24, and 25 EB81 = 6, 12, 15, 18, 20, 22, and 25 EB7*S = 6, 10, 12, 15, 18, and 22 EB7*D = 6, 10, 12, 15, 18, and 22

CINCH	VISHAY DALE
	1 1 4 2 5 3
	EB4 3 - K 25 SGF XF EB4 1 - D 22 SGF W EB8 3 - BE 18 GF X EB8 1 - A 6 SGF X EB7 3S - B 10 SGF X EB7 1D - C 15 SGF W
3. Mounting style:	EB4 XF = 0.125" dia. clearance hole with flush mounting YF = 4 to 40 threaded insert with flush mounting X = 0.125" dia. clearance hole with offset mounting W = No mounting ears EB8 X = 0.125" dia. clearance hole with offset mounting Y = No mounting ears EB7 X = 0.125" dia. clearance hole with offset mounting W = No mounting ears
4. Terminal style:	EB4 C = 0.025" sq. x 0.175" long dip solder D = 0.025" sq. x 0.115" long dip solder K = 0.025" sq. x 0.570" long dip solder wire wrap EB7 C = 0.025" sq. x 0.175" long dip solder B = 0.375" long dip solder A = Solder eyelet EB8 K = 0.200" long dip solder A = Solder eyelet BE = 0.375" long dip solder, card extender L = 0.156" long dip solder
5. Plating options:	SGF = 10 µ" Gold over Nickel in contact area with Gold flash on terminal GF = 30 µ" Gold over Nickel

Notes

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- See the explanation listed below the perspective models.

Competitor Products Cross Reference

Vishay Dale

Edgeboard Connectors

CINCH/VISHAY DALE PART NUMBER X-REF	
CINCH	**VISHAY DALE**
50-12SN-11	EB43-C12SGFXF
50-15SN-11	EB43-C15SGFXF
50-18SN-11	EB43-C18SGFXF
50-20SN-11	EB43-C20SGFXF
50-22SN-11	EB43-C22SGFXF
50-25SN-11	EB43-C25SGFXF
50-28SN-11	EB43-C28SGFXF
50-30SN-11	EB43-C30SGFXF
50-31SN-11	EB43-C31SGFXF
50-36SN-11	EB43-C36SGFXF
50-40SN-11	EB43-C40SGFXF
50-43SN-11	EB43-C43SGFXF
50-44SN-11	EB43-C44SGFXF
50-49SN-11	EB43-C49SGFXF
50-50SN-11	EB43-C50SGFXF
50-60SN-11	EB43-C60SGFXF
Contact material: Spring brass	Phosphor bronze
Terminal plating: Tin	Gold
Terminal dimension: 0.031 x 0.010, 0.025 Square	
50-12SN-12	EB43-C12SGFW
50-15SN-12	EB43-C15SGFW
50-18SN-12	EB43-C18SGFW
50-20SN-12	EB43-C20SGFW
50-22SN-12	EB43-C22SGFW
50-25SN-12	EB43-C25SGFW
50-28SN-12	EB43-C28SGFW
50-30SN-12	EB43-C30SGFW
50-31SN-12	EB43-C31SGFW
50-36SN-12	EB43-C36SGFW
50-40SN-12	EB43-C40SGFW
50-43SN-12	EB43-C43SGFW
50-44SN-12	EB43-C44SGFW
50-49SN-12	EB43-C49SGFW
50-50SN-12	EB43-C50SGFW
50-60SN-12	EB43-C60SGFW
50-12SN-13	EB43-C12SGFYF
50-15SN-13	EB43-C15SGFYF
50-18SN-13	EB43-C18SGFYF
50-20SN-13	EB43-C20SGFYF
50-22SN-13	EB43-C22SGFYF
50-25SN-13	EB43-C25SGFYF
50-28SN-13	EB43-C28SGFYF
50-30SN-13	EB43-C30SGFYF
50-31SN-13	EB43-C31SGFYF
50-36SN-13	EB43-C36SGFYF
50-40SN-13	EB43-C40SGFYF
50-43SN-13	EB43-C43SGFYF
50-44SN-13	EB43-C44SGFYF
50-49SN-13	EB43-C49SGFYF
50-50SN-13	EB43-C50SGFYF
50-60SN-13	EB43-C60SGFYF
50-30C-20-1	EB41-D15SGFW
50-44C-20-1	EB41-D22SGFW
50-72C-20-1	EB41-D36SGFW
50-80C-20-1	EB41-D40SGFW
50-86C-20-1	EB41-D43SGFW
50-100C-20-1	EB41-D50SGFW
50-30C-30-1	EB41-K15SGFX

CINCH/VISHAY DALE PART NUMBER X-REF	
CINCH	**VISHAY DALE**
50-44C-30-1	EB41-K22SGFX
50-72C-30-1	EB41-K36SGFX
50-80C-30-1	EB41-K40SGFX
50-86C-30-1	EB41-K43SGFX
50-100C-30-1	EB41-K50SGFX
Contact material:	
Alloy 688	
Brass	Phosphor bronze
50-12SN-1	EB83-K6SGFX
50-20SN-1	EB83-K10SGFX
50-24SN-1	EB83-K12SGFX
50-30SN-1	EB83-K15SGFX
50-36SN-1	EB83-K18SGFX
50-44SN-1	EB83-K22SGFX
50-48SN-1	EB83-K24SGFX
50-50SN-1	EB83-K25SGFX
50-12SN-3	EB83-K6SGFW
50-20SN-3	EB83-K10SGFW
50-24SN-3	EB83-K12SGFW
50-30SN-3	EB83-K15SGFW
50-36SN-3	EB83-K18SGFW
50-44SN-3	EB83-K22SGFW
50-48SN-3	EB83-K24SGFW
50-50SN-3	EB83-K25SGFW
Contact material: Spring brass	Phosphor bronze
Terminal plating: Tin	Gold
Terminal length: 0.156	0.200
50-12SN-2	EB73D-C6SGFX
50-20SN-2	EB73D-C10SGFX
50-24SN-2	EB73D-C12SGFX
50-30SN-2	EB73D-C15SGFX
50-36SN-2	EB73D-C18SGFX
50-44SN-2	EB73D-C22SGFX
50-12SN-4	EB73D-C6SGFW
50-20SN-4	EB73D-C10SGFW
50-24SN-4	EB73D-C12SGFW
50-30SN-4	EB73D-C15SGFW
50-36SN-4	EB73D-C18SGFW
50-44SN-4	EB73D-C22SGFW
Contact material: Spring brass	Phosphor bronze
Terminal plating: Tin	Gold
Card insertion depth: 0.333	0.260
50-6SN-5	EB73S-B6SGFX
50-10SN-5	EB73S-B10SGFX
50-12SN-5	EB73S-B12SGFX
50-15SN-5	EB73S-B15SGFX
50-18SN-5	EB73S-B18SGFX
50-22SN-5	EB73S-B22SGFX
50-6SN-6	EB73S-B6SGFW
50-10SN-6	EB73S-B10SGFW
50-12SN-6	EB73S-B12SGFW
50-15SN-6	EB73S-B15SGFW
50-18SN-6	EB73S-B18SGFW
50-22SN-6	EB73S-B22SGFW
Contact material: Spring brass	Phosphor bronze
Terminal plating: Tin	Gold
Terminal length: 0.156	0.220
Card insertion depth: 0.333	0.300

Notes

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- See the explanation listed below the perspective models.

Competitor Products Cross Reference

Edgeboard Connectors

Vishay Dale

CINCH/VISHAY DALE PART NUMBER X-REF	
CINCH	**VISHAY DALE**
50-6SN-7	EB73S-A6SGFX
50-10SN-7	EB73S-A10SGFX
50-12SN-7	EB73S-A12SGFX
50-15SN-7	EB73S-A15SGFX
50-18SN-7	EB73S-A18SGFX
50-22SN-7	EB73S-A22SGFX
50-6SN-8	EB73S-A6SGFW
50-10SN-8	EB73S-A10SGFW
50-12SN-8	EB73S-A12SGFW
50-15SN-8	EB73S-A15SGFW
50-18SN-8	EB73S-A18SGFW
50-22SN-8	EB73S-A22SGFW
Contact material: Spring brass	Phosphor bronze
Terminal plating: Tin	Gold
Card insertion depth: 0.333	0.300
50-12SN-9	EB83-A6SGFX
50-20SN-9	EB83-A10SGFX
50-24SN-9	EB83-A12SGFX
50-30SN-9	EB83-A15SGFX
50-36SN-9	EB83-A18SGFX
50-44SN-9	EB83-A22SGFX
50-48SN-9	EB83-A24SGFX
50-50SN-9	EB83-A25SGFX
50-12SN-10	EB83-A6SGFW
50-20SN-10	EB83-A10SGFW
50-24SN-10	EB83-A12SGFW
50-30SN-10	EB83-A15SGFW
50-36SN-10	EB83-A18SGFW
50-44SN-10	EB83-A22SGFW
50-48SN-10	EB83-A24SGFW
50-50SN-10	EB83-A25SGFW
Contact material: Spring brass	Phosphor bronze
Terminal plating: Tin	Gold
50-12S-30-1	EB73D-C6SGFW
50-20S-30-1	EB73D-C10SGFW
50-24S-30-1	EB73D-C12SGFW
50-30S-30-1	EB73D-C15SGFW
50-36S-30-1	EB73D-C18SGFW
50-44S-30-1	EB73D-C22SGFW
50-12S-30-2	EB73D-C6SGFX
50-20S-30-2	EB73D-C10SGFX
50-24S-30-2	EB73D-C12SGFX
50-30S-30-2	EB73D-C15SGFX
50-36S-30-2	EB73D-C18SGFX
50-44S-30-2	EB73D-C22SGFX
Contact material: Spring brass	Phosphor bronze
Terminal plating: Tin	Gold
Card insertion depth: 0.333	0.260
50-12A-30	EB83-A6SGFX
50-20A-30	EB83-A10SGFX
50-24A-30	EB83-A12SGFX
50-30A-30	EB83-A15SGFX
50-36A-30	EB83-A18SGFX
50-44A-30	EB83-A22SGFX
50-50A-30	EB83-A25SGFX
Contact material: Spring brass	Phosphor bronze

CINCH/VISHAY DALE PART NUMBER X-REF	
CINCH	**VISHAY DALE**
50-12A-10	EB83-K6SGFX
50-10A-10	EB83-K10SGFX
50-24A-10	EB83-K12SGFX
50-30A-10	EB83-K15SGFX
50-36A-10	EB83-K18SGFX
50-44A-10	EB83-K22SGFX
50-50A-10	EB83-K25SGFX
Contact material: Spring brass	Phosphor bronze
Terminal length: 0.156	0.200
50-6A-20	EB73S-A6SGFX
50-10A-20	EB73S-A10SGFX
50-12A-20	EB73S-A12SGFX
50-15A-20	EB73S-A15SGFX
50-18A-20	EB73S-A18SGFX
50-22A-20	EB73S-A22SGFX
Contact material: Spring	Phosphor bronze
Card insertion depth: 0.333	0.300
50-6B-10	EB73S-B6SGFX
50-10B-10	EB73S-B10SGFX
50-12B-10	EB73S-B12SGFX
50-15B-10	EB73S-B15SGFX
50-18B-10	EB73S-B18SGFX
50-22B-10	EB73S-B22SGFX
Contact material: Spring	Phosphor bronze
Card insertion depth: 0.333	0.300
Terminal length: 0.156	0.220
50-12S-30	EB83-BE6GFX
50-20S-30	EB83-BE10GFX
50-24S-30	EB83-BE12GFX
50-30S-30	EB83-BE15GFX
50-36S-30	EB83-BE18GFX
50-44S-30	EB83-BE22GFX
50-50S-30	EB83-BE25GFX
50-12H-30-1	EB71D-C6SGFW
50-20H-30-1	EB71D-C10SGFW
50-24H-30-1	EB71D-C12SGFW
50-30H-30-1	EB71D-C15SGFW
50-36H-30-1	EB71D-C18SGFW
50-44H-30-1	EB71D-C22SGFW
50-12H-30-2	EB71D-C6SGFX
50-20H-30-2	EB71D-C10SGFX
50-24H-30-2	EB71D-C12SGFX
50-30H-30-2	EB71D-C15SGFX
50-36H-30-2	EB71D-C18SGFX
50-44H-30-2	EB71D-C22SGFX
Card insertion depth: 0.333	0.260
50-12S-20	EB81-K6SGFX
50-20S-20	EB81-K10SGFX
50-24S-20	EB81-K12SGFX
50-30S-20	EB81-K15SGFX
50-36S-20	EB81-K18SGFX
50-44S-20	EB81-K22SGFX
50-50S-20	EB81-K25SGFX
Terminal length: 0.234	0.200

Notes

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Competitor Products Cross Reference

Vishay Dale

Edgeboard Connectors

CINCH/VISHAY DALE PART NUMBER X-REF	
CINCH	**VISHAY DALE**
50-12H-10	EB81-L6SGFX
50-20H-10	EB81-L10SGFX
50-24H-10	EB81-L12SGFX
50-30H-10	EB81-L15SGFX
50-36H-10	EB81-L18SGFX
50-44H-10	EB81-L22SGFX
50-50H-10	EB81-L25SGFX
50-6H-20	EB71S-A6SGFX
50-10H-20	EB71S-A10SGFX
50-12H-20	EB71S-A12SGFX
50-15H-20	EB71S-A15SGFX
50-18H-20	EB71S-A18SGFX
50-22H-20	EB71S-A22SGFX
Card insertion depth: 0.333	0.300
50-12H-30	EB81-A6SGFX
50-20H-30	EB81-A10SGFX
50-24H-30	EB81-A12SGFX
50-30H-30	EB81-A15SGFX
50-36H-30	EB81-A18SGFX

CINCH/VISHAY DALE PART NUMBER X-REF	
CINCH	**VISHAY DALE**
50-44SH-30	EB81-A22SGFX
50-50SH-30	EB81-A25SGFX
50-6H-10	EB71S-B6SGFX
50-10H-10	EB71S-B10SGFX
50-12H-10	EB71S-B12SGFX
50-15H-10	EB71S-B15SGFX
50-18H-10	EB71S-B18SGFX
50-22H-10	EB71S-B22SGFX
Card insertion depth: 0.333	0.300
Terminal length: 0.156	0.220
50-6S-10	EB71S-B6SGFX
50-10S-10	EB71S-B10SGFX
50-12S-10	EB71S-B12SGFX
50-15S-10	EB71S-B15SGFX
50-18S-10	EB71S-B18SGFX
50-22S-10	EB71S-B22SGFX
Card insertion depth: 0.333	0.300
Terminal length: 0.234	0.220

Notes

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- See the explanation listed below the perspective models.

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