Vishay Dale

EB4

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



www.vishay.com

### **ELECTRICAL SPECIFICATIONS**

Current Rating: 3 A

#### **Test Voltage Between Contacts:**

At sea level: 650 V<sub>RMS</sub> At 70 000 feet (21 336 meters): 275 V<sub>BMS</sub>

Insulation Resistance: 5000 M $\Omega$  minimum at 500 V<sub>DC</sub> potential

Contact Resistance: 30 mV maximum at rated current

Humidity: 48 h at 95 % relative humity at +90 °C, insulation resistance 5000 M $\Omega$ 

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

#### 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

#### 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

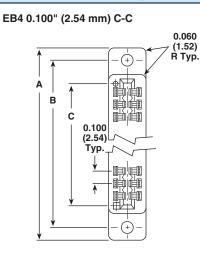


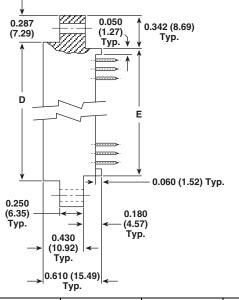
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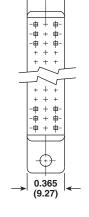
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#### **DIMENSIONS** in inches (millimeters)







iyp.							
MODEL - PART NUMBER	# OF CONTACT POSITIONS PER SIDE	А	В	С	D	E	CARD SLOT DEPTH
EB45-P⊡6G∆	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⊡10G∆	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⊡12G∆	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⊡15G∆	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⊡18G∆	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□20G∆	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□22G∆	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□25G∆	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□28G∆	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□30G∆	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⊡31G∆	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⊡35G∆	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⊡36G∆	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□40G∆	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□43G∆	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□44G∆	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□48G∆	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□49G∆	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□50G∆	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□60G∆	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□65G∆	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**

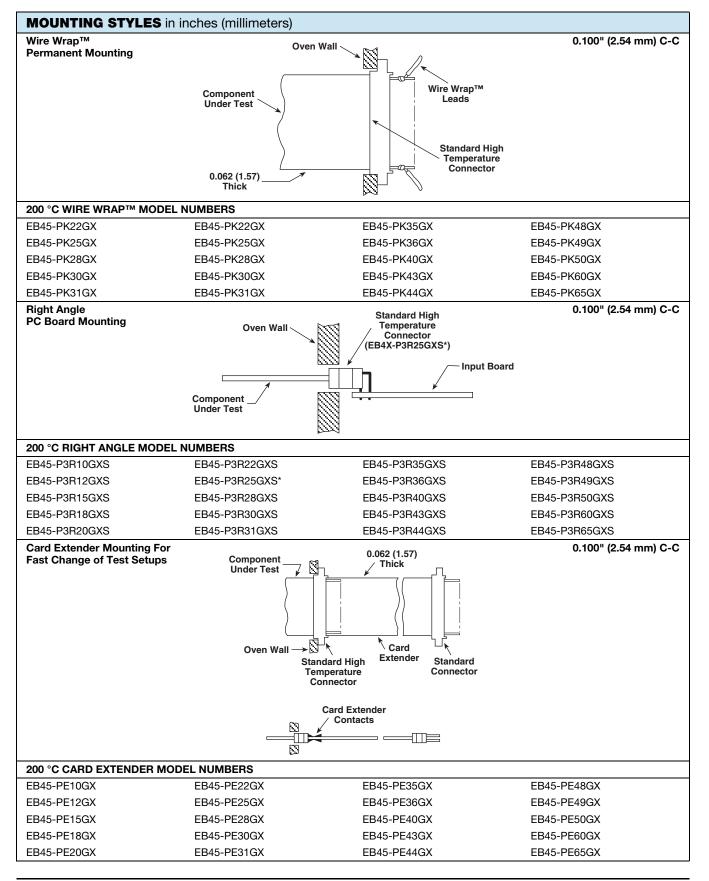
When ordering connectors using the above part numbers:  $\Box$  = Indicate "E" for card extender, "K" for Wire Wrap<sup>TM</sup> or "3R" for right angle terminals  $\Delta$  = Indicate "X" for standard mounting, "XF" for flush mounting or "XS" for side mounting

2 For technical questions, contact: connectors@vishay.com



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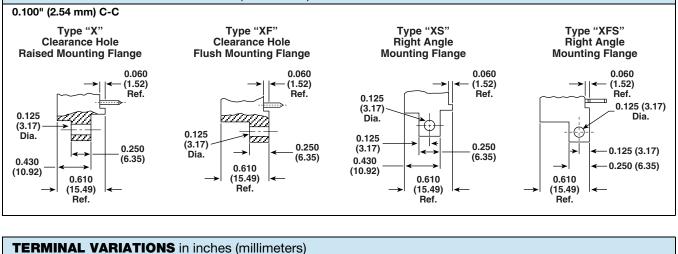
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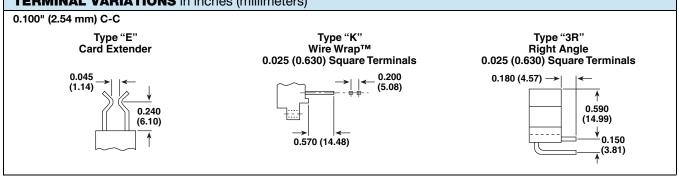


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