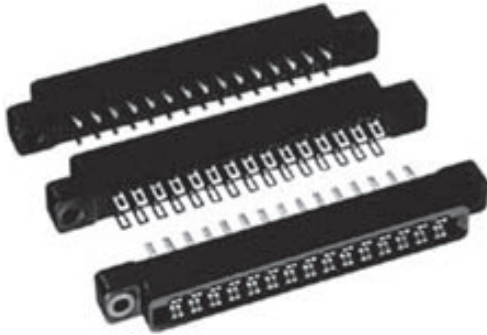




## Edgeboard Connectors, Dual Readout



### ELECTRICAL SPECIFICATIONS

**Current Rating:** 5 amps.

**Test Voltage Between Contacts:**

At sea level: 1800VRMS.

At 70,000 feet [21,336 meters]: 450VRMS.

**Insulation Resistance:** 5000 Megohm minimum at 500VDC potential.

**Contact Resistance:** 30 millivolts maximum at rated current (with gold plating).

**Operating Temperature:** - 55°C to + 125°C.

**Humidity:** 96 hours at 90% relative humidity at + 40°C, dried at room temperature for 3 hours minimum, insulation resistance 5000 Megohm.

**Durability:** (With gold plating.) After 500 cycles of insertion and withdrawal of 0.070" [1.78mm] thick steel test gauge, contact resistance less than 0.030V at 5 amps and individual contact retention force when measured with a 0.054" [1.37mm] thick steel test pin greater than 1/2 ounce.

**Shock:** Three 50g shocks in each of 3 mutually perpendicular planes with no loss of continuity.

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

### FEATURES

- 0.156" C-C x 0.200" grid [3.96mm x 5.08mm].
- Greater design latitude.
- 3 body materials: Diallyl phthalate, phenolic and glass-filled polyester.
- 6 contact termination styles.
- 8 body sizes.
- 7 mounting styles.
- Bifurcated bellows contacts provide 2 flexing contact surfaces to assure positive contact.
- Accepts PC board thickness of 0.054" - 0.071" [1.37mm -1.80mm].
- Polarization between contact positions in all sizes.
- Selective gold plating.
- **Recognized under the Component Program of Underwriters Laboratories, Inc. Listed under File E65524, Project 77CH3889.**

### APPLICATIONS

For use with 0.062" [1.57mm] printed circuit boards requiring an edgeboard type connector on .156" [3.96mm] centers.

### PHYSICAL SPECIFICATIONS

**Contact Type:** Bifurcated bellows.

**Number of Contacts:** 6, 10, 12, 15, 18, 22, 24, 25 per side.

**Contact Spacing:** 0.156" [3.96mm] center to center.

**Card Thickness:** 0.054" to 0.071" [1.37mm to 1.80mm].

**Card Slot Depth:** 0.330" [8.38mm], dual readout.

### MATERIAL SPECIFICATIONS

**Body:**

"1" glass-filled diallyl phthalate per MIL-M-14, Type SDG-F green, flame retardant (UL 94V-0).

"2" glass-filled phenolic per MIL-M-14, Type MFH dark green, flame retardant (UL 94V-0).

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

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

**Contacts:** Phosphor bronze.

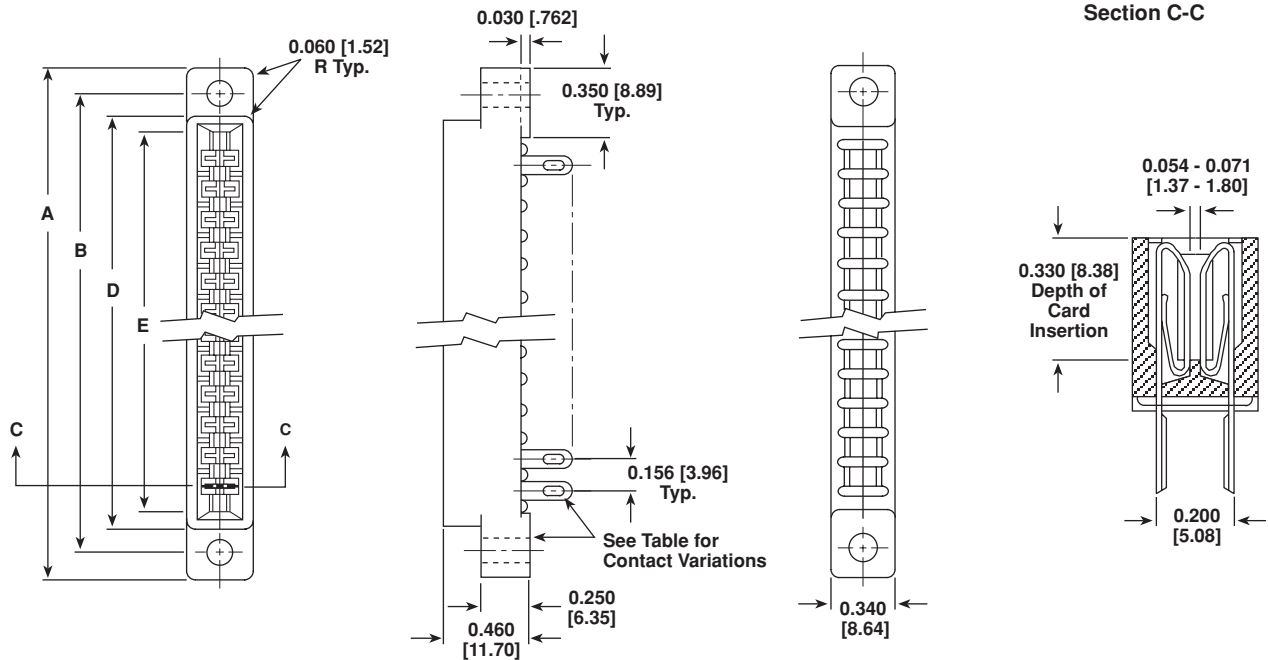
**Polarizing Key:** Glass reinforced nylon, flame retardant (UL 94V-0).

**Contact Plating:** Gold (See Ordering Information).

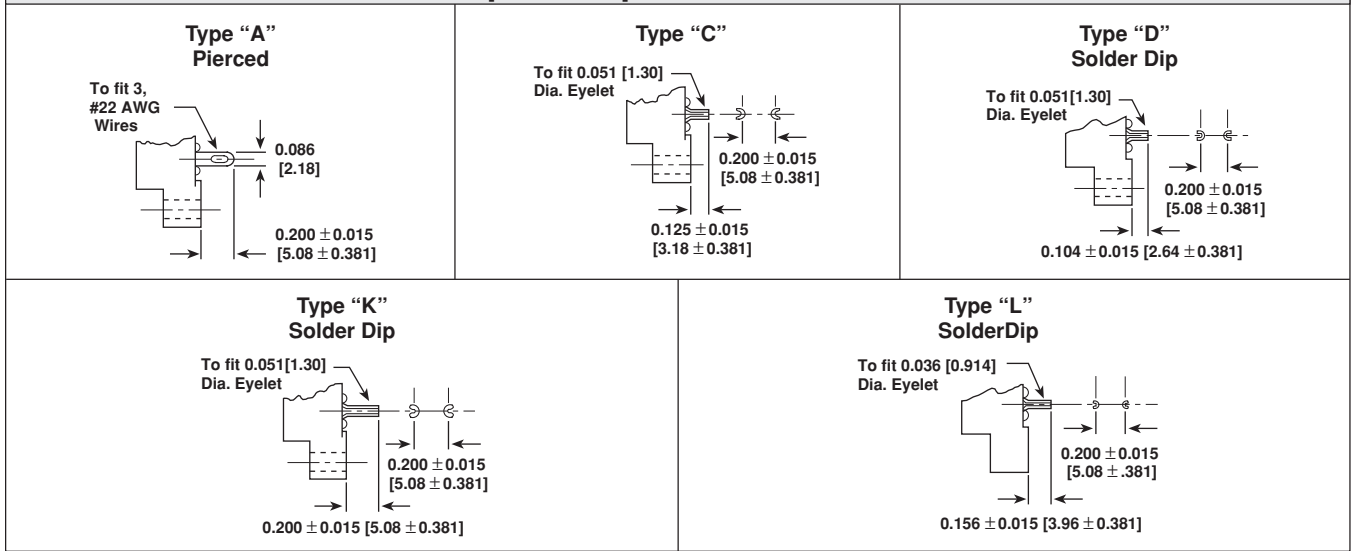
**NOTE:** High temperature burn-in, edgeboard connectors, 0.156" [3.96mm] center to center are on page 20 of this catalog.

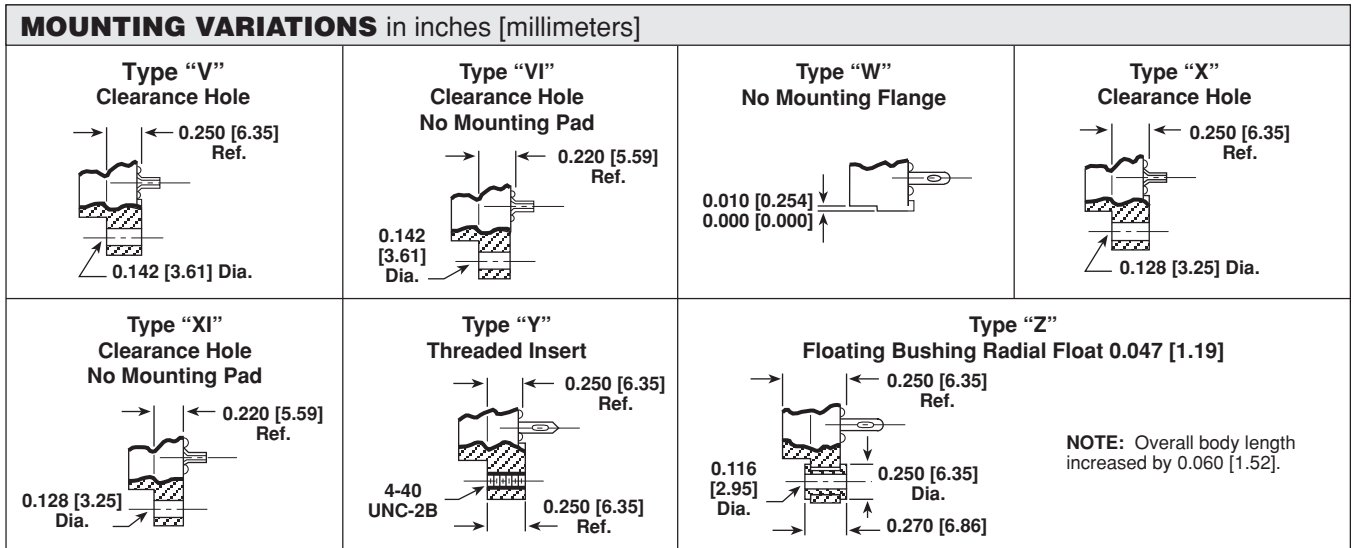
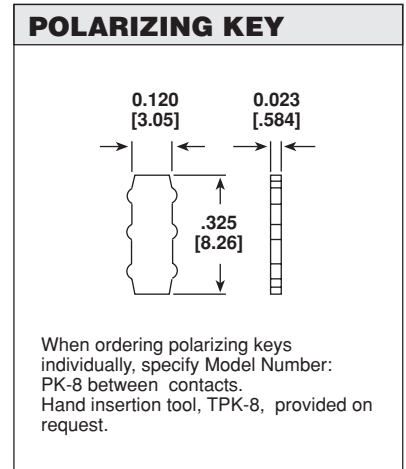
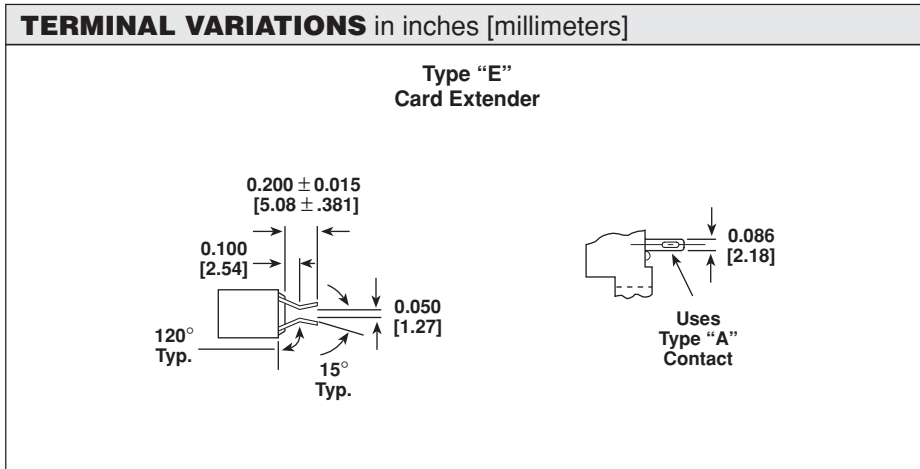
### ORDERING INFORMATION

EB8 MODEL	1 BODY MATERIAL	B OPTIONAL CONTACTS	A STANDARD TERMINAL VARIATIONS	22 CONTACTS	SG CONTACT PLATING	X MOUNTING VARIATIONS	A POLARIZING KEY POSITIONS
	Optional Body Material 1 = Diallyl Phthalate 2 = Phenolic 3 = Glass-filled Polyester 5 = Glass-filled Polyphenylene Sulfid	Beryllium Copper contacts optional. Available in "A" and "E" contact styles only. (Omit for standard.)	A, C, D, K, L or E	6, 10, 12, 15, 18, 22, 24 or 25	SG = Selective Gold Plating (0.00003" [0.000762mm] minimum thick) on contact area with Gold Flash on terminal. SGF = Selective Gold Plating (0.00001" [0.000254mm] minimum thick) on contact area with Gold Flash on terminal. All Gold Plating over 0.00005" [0.00127mm] minimum Nickel Underplate. Contact factory for additional plating options.		Key(s) are located to right of position(s) designated. Required only when polarizing keys are to be factory installed.

**DIMENSIONS** in inches [millimeters]


# OF CONTACT POSITIONS	A	B	D	E
6	1.78 [45.21]	1.531 [38.89]	1.240 [31.50]	1.100 [27.94]
10	2.41 [61.21]	2.156 [54.76]	1.864 [47.35]	1.724 [43.79]
12	2.72 [69.09]	2.469 [62.71]	2.176 [55.27]	2.036 [51.71]
15	3.19 [81.03]	2.937 [74.60]	2.644 [67.16]	2.504 [63.60]
18	3.66 [92.96]	3.406 [86.51]	3.112 [79.05]	2.972 [75.49]
22	4.28 [108.71]	4.031 [102.39]	3.736 [94.89]	3.596 [91.34]
24	4.59 [116.59]	4.344 [110.33]	4.051 [102.89]	3.911 [99.34]
25	4.75 [120.65]	4.500 [114.30]	4.207 [106.86]	4.067 [103.30]

**TERMINAL VARIATIONS** in inches [millimeters]






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