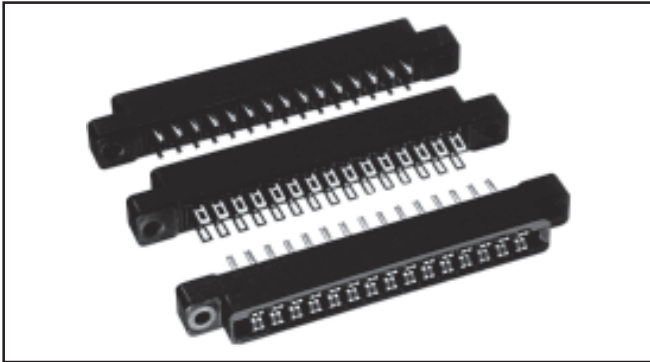


Edgeboard Connectors

Dual Readout



ELECTRICAL SPECIFICATIONS

Current Rating: 5 amps.

Test Voltage Between Contacts:

At sea level: 1800 V RMS.

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

Insulation Resistance: 5000 Megohm minimum at 500 VDC 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 .070" [1.78mm] thick steel test gauge, contact resistance less than .030 V at 5 amps and individual contact retention force when measured with a .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 55 cps at .06 double amplitude with no loss of continuity.

FEATURES

- .156" C-C x .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 .054" - .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 .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: .156" [3.96mm] center to center.

Card Thickness: .054" to .071" [1.37mm to 1.80mm].

Card Slot Depth: .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 sulfide, glass-filled, brown, flame retardant (UL 94V-0).

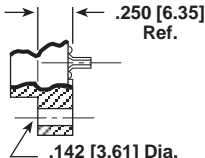
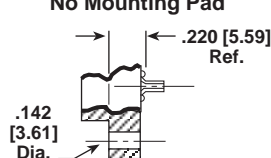

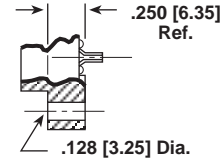
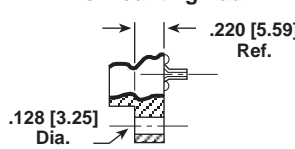
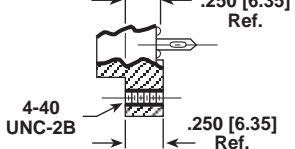
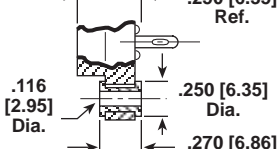
Contacts: Phosphor bronze.

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

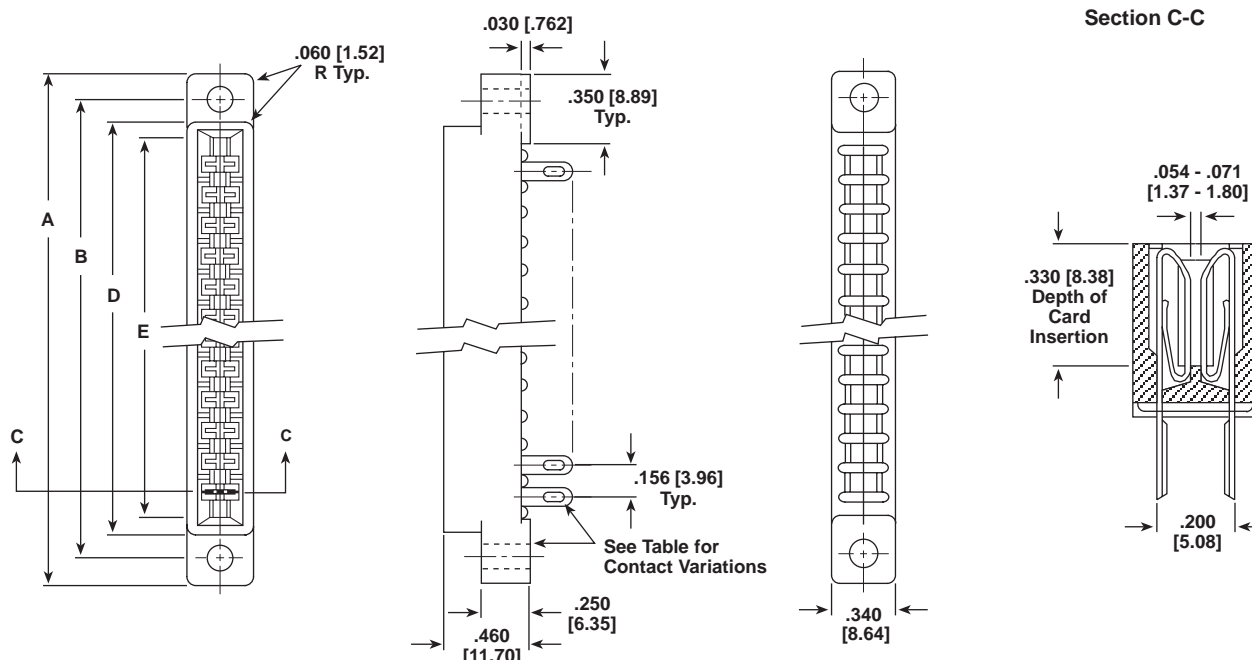
Contact Plating: Gold (See How to Order).

NOTE: High temperature burn-in, edgeboard connectors, .156" [3.96mm] center to center are on page 19 of this catalog.

MOUNTING VARIATIONS [Numbers in brackets indicate millimeters]

| | | | |
|--|--|---|---|
| <p>Type "V" Clearance Hole</p>  | <p>Type "VI" Clearance Hole No Mounting Pad</p>  | <p>Type "W" No Mounting Flange</p>  | <p>Type "X" Clearance Hole</p>  |
| <p>Type "XI" Clearance Hole No Mounting Pad</p>  | <p>Type "Y" Threaded Insert</p>  | <p>Type "Z" Floating Bushing Radial Float .047 [1.19]</p>  <p>NOTE: Overall body length increased by .060 [1.52].</p> | |

DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]

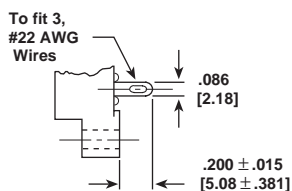


OF CONTACT POSITIONS

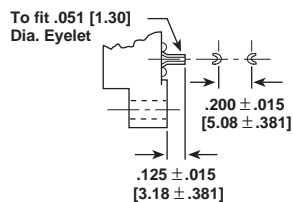
| | A | B | D | E |
|----|---------------|----------------|----------------|----------------|
| 6 | 1.78 [45.21] | 1.531 [38.89] | 1.240 [31.50] | 1.100 [27.94] |
| 10 | 2.41 [61.21] | 2.156 [54.76] | 1.864 [47.35] | 1.724 [43.79] |
| 12 | 2.72 [69.09] | 2.469 [62.71] | 2.176 [55.27] | 2.036 [51.71] |
| 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 [Numbers in brackets indicate millimeters]

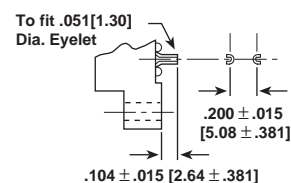
Type "A" Pierced



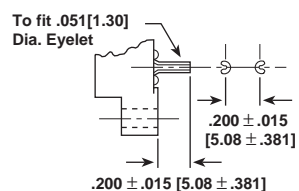
Type "C"



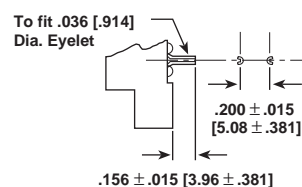
Type "D" Solder Dip



Type "K" Solder Dip

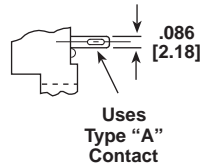
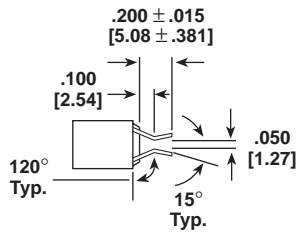


Type "L" Solder Dip

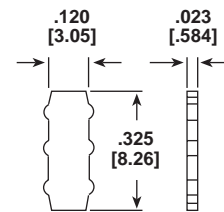


TERMINAL VARIATIONS [Numbers in brackets indicate millimeters]

Type "E" Card Extender



POLARIZING KEY



When ordering polarizing keys individually, specify Model Number: PK-8 between contacts. Hand insertion tool, TPK-8, provided on request.

HOW TO ORDER

EB8
MODEL

1
BODY
MATERIAL

Optional Body Material
1 = Diallyl Phthalate
2 = Phenolic
3 = Glass-filled Polyester
5 = Glass-filled Polyphenylene Sulfied

B
OPTIONAL
CONTACTS

Beryllium Copper contacts optional. Available in "A" and "E" contact styles only. (Omit for standard.)

A
STANDARD
TERMINAL
VARIATIONS

A, C, D,
K, L or E

22
CONTACTS

6, 10, 12,
15, 18, 22,
24 or 25

G
CONTACT
PLATING

SG = Selective Gold Plating (.00003" [.000762mm] minimum thick) on contact area with Gold Flash on terminal.
SGF = Selective Gold Plating (.00001" [.000254mm] minimum thick) on contact area with Gold Flash on terminal.
All Gold Plating over .00005" [.00127mm] minimum Nickel Underplate.
Contact factory for additional plating options.

X
MOUNTING
VARIATIONS

A
POLARIZING
KEY
POSITIONS

Key(s) are located to right of position(s) designated. Required only when polarizing keys are to be factory installed.