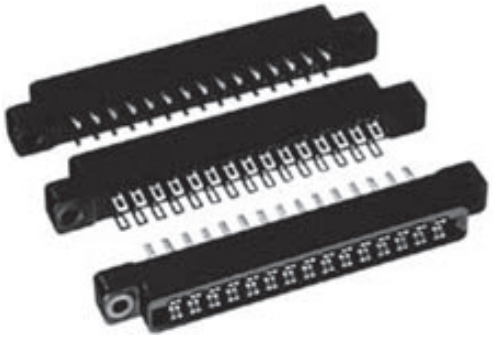
Edgeboard Connectors, Dual Readout



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.

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.

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 sulfied, glass-filled, brown, flame retardant (UL 94V-0).

Contacts: Phosphor bronze.

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

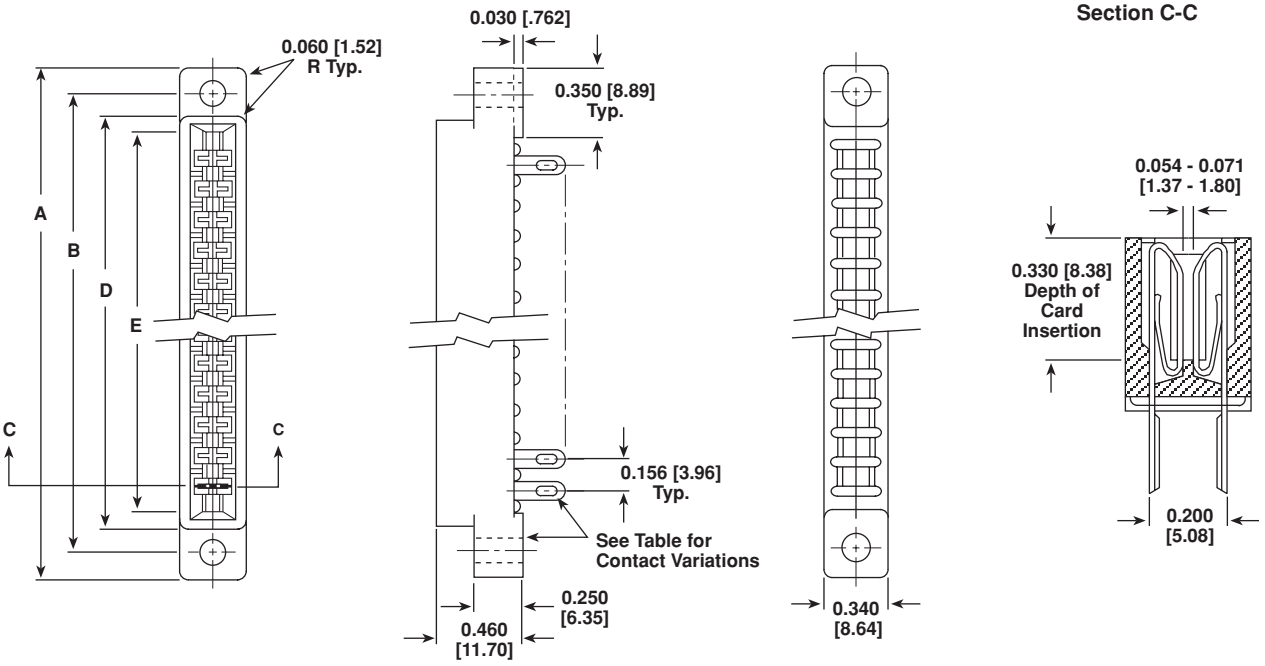
Contact Plating: Gold (See Ordering Information).

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

ORDERING INFORMATION

EB8	1	B	A	22	SG	X	A
MODEL	BODY MATERIAL	OPTIONAL CONTACTS	STANDARD TERMINAL VARIATIONS	CONTACTS	CONTACT PLATING	MOUNTING VARIATIONS	POLARIZING KEY POSITIONS
	Optional Body Material 1 = Diallyl Phthalate 2 = Phenolic 3 = Glass-filled Polyester 5 = Glass-filled Polyphenylene Sulfied	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.

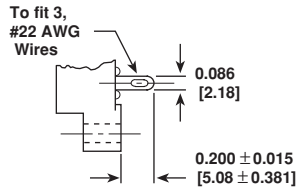
DIMENSIONS in inches [millimeters]



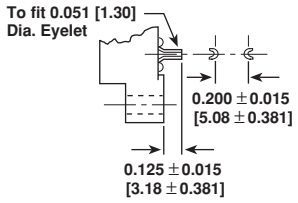
# OF CONTACT POSITIONS	A	B	D	E
6	1.78 [45.21]	1.531 [38.89]	1.240 [31.50]	1.100 [27.94]
10	2.41 [61.21]	2.156 [54.76]	1.864 [47.35]	1.724 [43.79]
12	2.72 [69.09]	2.469 [62.71]	2.176 [55.27]	2.036 [51.71]
15	3.19 [81.03]	2.937 [74.60]	2.644 [67.16]	2.504 [63.60]
18	3.66 [92.96]	3.406 [86.51]	3.112 [79.05]	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]

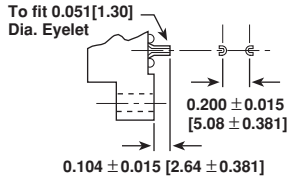
Type "A" Pierced



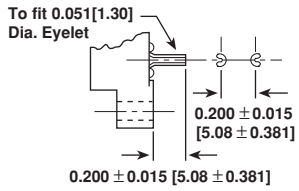
Type "C"



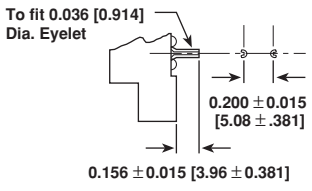
Type "D" Solder Dip



Type "K" Solder Dip

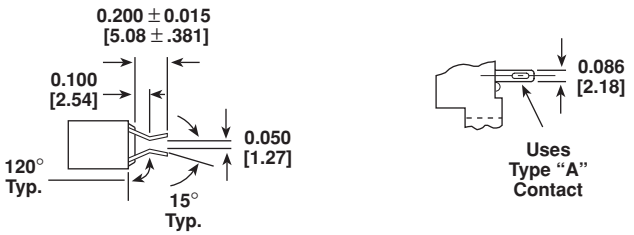


Type "L" SolderDip

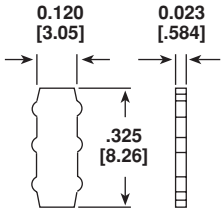


TERMINAL VARIATIONS in inches [millimeters]

Type "E"
Card Extender



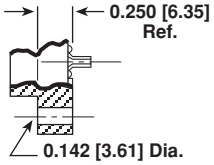
POLARIZING KEY



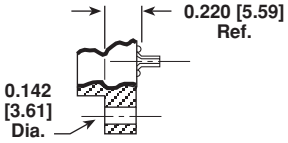
When ordering polarizing keys individually, specify Model Number: PK-8 between contacts.
Hand insertion tool, TPK-8, provided on request.

MOUNTING VARIATIONS in inches [millimeters]

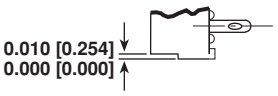
Type "V"
Clearance Hole



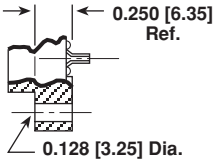
Type "VI"
Clearance Hole
No Mounting Pad



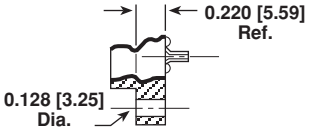
Type "W"
No Mounting Flange



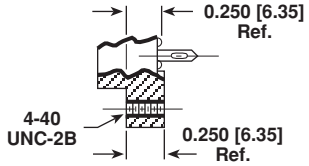
Type "X"
Clearance Hole



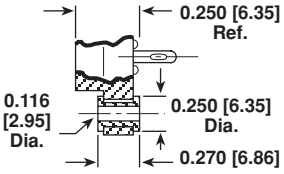
Type "XI"
Clearance Hole
No Mounting Pad



Type "Y"
Threaded Insert



Type "Z"
Floating Bushing Radial Float 0.047 [1.19]



NOTE: Overall body length increased by 0.060 [1.52].

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “Vishay”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay’s terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.