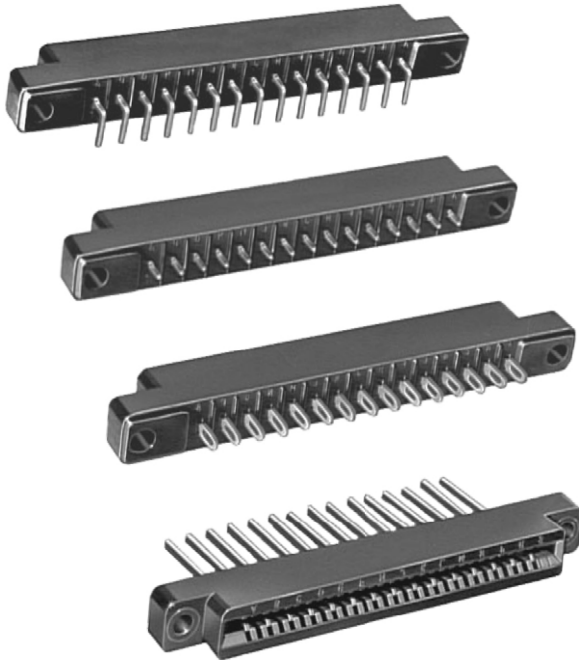


# Edgeboard Connectors, Single Readout, Dip Solder, Eyelet and Wire Wrap™ Termination



## 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)

## APPLICATIONS

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

## ELECTRICAL SPECIFICATIONS

**Current Rating:** 5 A

**Test Voltage Between Contacts:**

at sea level: 1800 V<sub>RMS</sub>

At 70 000 feet (21 336 meters): 450 V<sub>RMS</sub>

**Insulation Resistance:** 5000 MΩ minimum (at 500 V<sub>DC</sub> 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)

## 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

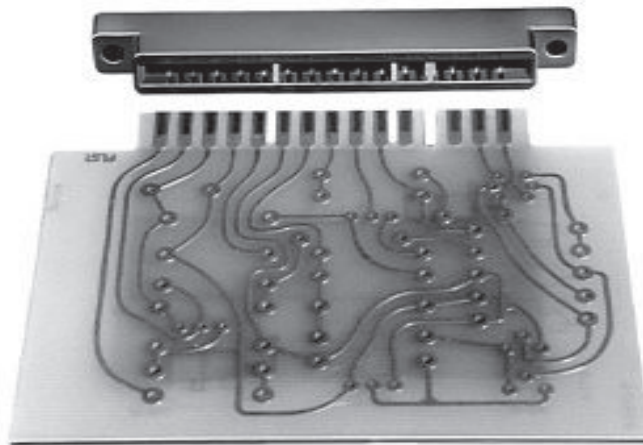
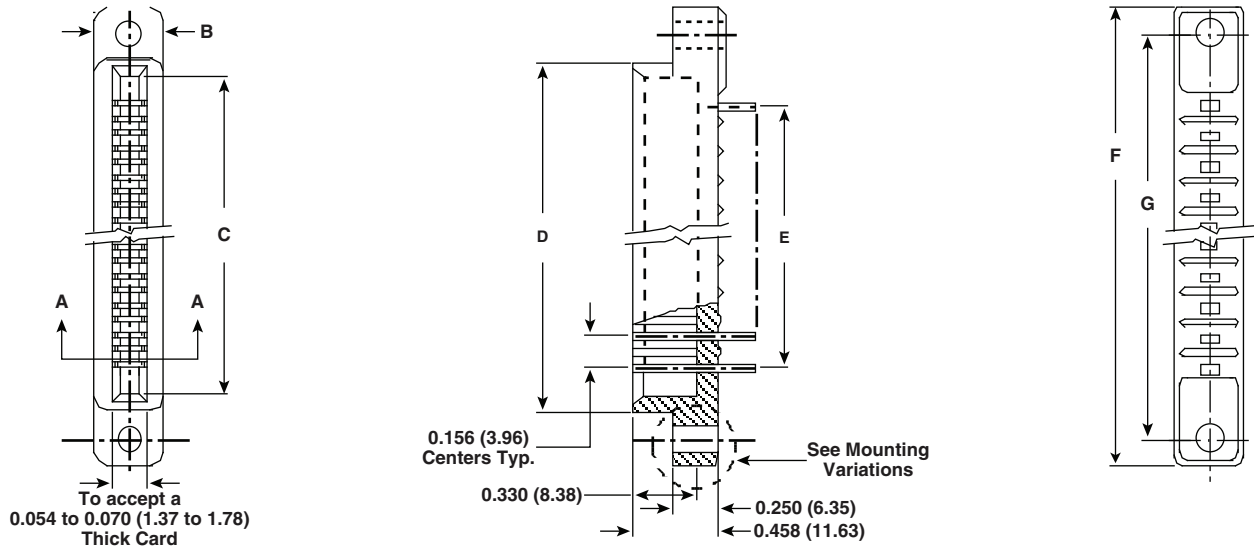
**Optional Threaded Mounting Insert:** nickel plated brass (type Y)

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

## ORDERING INFORMATION

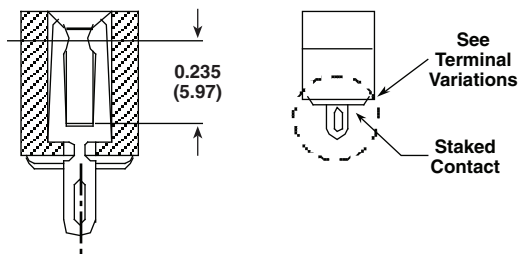
EBT156	10	A	1	X	A, J	A9, J9
MODEL	CONTACTS	STANDARD TERMINAL VARIATIONS	CONTACT FINISH	MOUNTING VARIATIONS	BETWEEN CONTACT POLARIZATION	ON CONTACT POLARIZATION
	6, 10, 12, 15, 18, or 22	A, B, C, D, E, F, or R	1 = Electro tin plated 2 = Gold flash	W, X, Y, or Z		Required <b>only</b> when polarizing key(s)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

**DIMENSIONS** in inches (millimeters)

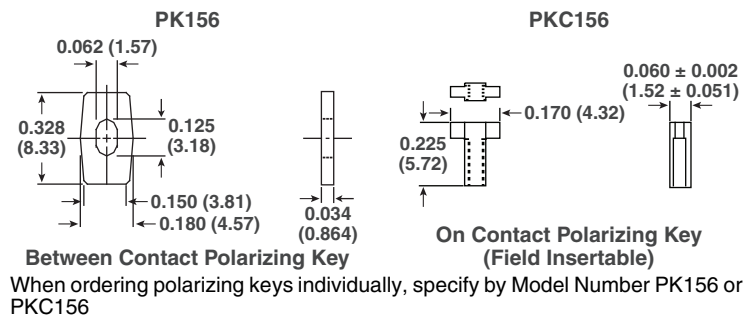


Between contact or on contact polarization available in all sizes for factory or field insertion.

**Section A to A:**



**Polarizing Key:**



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)			
<p><b>Type "W"</b> No Mounting Flange</p> <p>+ 0.010 (0.254) - 0.000 (0.000)</p>	<p><b>Type "X"</b> Clearance Hole</p> <p>0.140 (3.56) Dia.</p>	<p><b>Type "Y"</b> Threaded Insert</p> <p>4-40 UNC-2B</p>	<p><b>Type "Z"</b> Floating Bushing</p> <p>0.250 (6.35) Ref.</p> <p>0.116 ± 0.003 (2.95 ± 0.076)</p> <p>0.010 (0.254) 0.005 (0.127) Axial Float</p> <p>0.010 (0.254) Min. Radial Float</p> <p>0.040 (1.02) Min. Wall</p>

TERMINAL VARIATIONS in inches (millimeters)						
<p><b>Type "A"</b></p> <p>0.125 (3.18)</p> <p>0.190 (4.83)</p> <p>0.040 (1.02)</p> <p>0.090 (2.29)</p> <p>0.031 (0.787)</p>	<p><b>Type "B"</b></p> <p>0.125 (3.18)</p> <p>0.031 (0.787) Sq.</p>	<p><b>Type "C"</b></p> <p>0.406 (10.318)</p> <p>0.031 (0.787) Sq.</p>	<p><b>Type "D"</b></p> <p>0.200 (5.08)</p> <p>0.031 (0.787) Sq.</p>	<p><b>Type "E"</b></p> <p>0.062 (1.57)</p> <p>0.500 (12.70)</p> <p>0.031 (0.787)</p>	<p><b>Type "F"</b></p> <p>0.062 (1.57)</p> <p>0.800 (20.32)</p> <p>0.031 (0.787)</p>	<p><b>Type "R"</b></p> <p>0.100 (2.54)</p> <p>0.560 (14.22)</p> <p>0.031 (0.787) Sq.</p> <p>0.170 (4.32)</p>



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