Vishay Dale



Edgeboard Connectors

Dual Readout, .125" [3.17mm] C-C, Standard and Right Angle Terminals



ELECTRICAL SPECIFICATIONS

Current Rating: 3 amps. **Test Voltage Between Contacts:** At sea level: 1500 V RMS.

At 70,000 feet [21,336 meters]: 325 V RMS.

Insulation Resistance: 5000 Megohm minimum at 500 VDC potential.

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

Operating Temperature: - 65°C to + 125°C.

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

Durability: After 500 cycles of insertion and withdrawal of a .070" [1.78mm] thick steel test board, contact resistance less than .030 V at 3 amps on gold plated contacts and individual contact pair separation force when measured with a .054" [1.37mm] thick steel test blade was 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.

MATERIAL SPECIFICATIONS

Body Material:

"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. (See How to Order.) Polarizing Key: Glass reinforced nylon, flame retardant (UL 94H-B).

Plating: Gold. (See How to Order.)

FEATURES

- Grid Patterns: .125" C-C x .150" [3.17mm x 3.81mm], .125" C-C x .200" [3.17mm x 5.08mm] and .125" C-C x .250" [3.17mm x 6.35mm].
- Standard and right angle terminals.
- Greater design latitude:

3 body materials: Diallyl phthalate, phenolic, glass-filled polyester and glass-filled polyphenylene sulfied. 7 contact termination styles: 3 standard, 4 right angle. 19 body sizes and 6 mounting styles.

- Selective gold plating.
- Accepts PC board thickness of .054" to .071" [1.37mm to 1.80mm].
- Polarization between contact positions in all sizes. Between contact polarization permits polarizing without loss of contact position.
- Recognized under the Component Program of Underwriters Laboratories, Inc. Listed under File E65524, Project 77CH3889.

APPLICATIONS

For use with .0625" [1.59mm] printed circuit boards requiring an edgeboard type connector on .125" [3.17mm] centers.

PHYSICAL SPECIFICATIONS

Contact Type: Bifurcated Cantilever Beam.

Number of Contacts: 6, 10, 12, 14, 15, 18, 22, 24, 25, 28, 30, 31, 32, 35, 36, 40, 43, 44, 49 and 50 per side.

Contact Terminal Variation: Standard terminals.

Type "C" - Dip Solder, .025" [.635mm] square terminals. .175" [4.44mm] nominal terminal length below standoffs.

Type "D" - Dip Solder, .025" [.635mm] square terminals, .115" [2.92mm] nominal terminal length below standoffs.

Type "K" - Wire Wrap™, .025" [.635mm] square terminals, .570" [14.48mm] nominal terminal length below standoffs.

Contact Terminal Variation: Right angle terminals.

Type "1R" - Dip Solder, .025" [.635mm] square terminals, .120" [3.05mm] nominal terminal length x .150" [3.81mm] nominal terminal row spacing.

Type "2R" - Dip Solder, .025" [.635mm] square terminals, .120" [3.05mm] nominal terminal length x .200" [5.08mm] nominal terminal row spacing.

Type "3R" - Dip Solder, .025" [.635mm] square terminals, .180" [4.57mm] nominal terminal length x .150" [3.81mm] nominal terminal row spacing.

Type "4R" - Dip Solder, .025" [.635mm] square terminals, .180" [4.57mm] nominal terminal length x .200" [5.08mm] nominal terminal row spacing.

Contact Spacing: .125" [3.17mm] center to center.

Contact Terminal Row Spacing:

Standard - .250" [6.35mm] nominal.

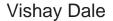
Right Angle - .200" [5.08mm] nominal and .150" [3.81mm]

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

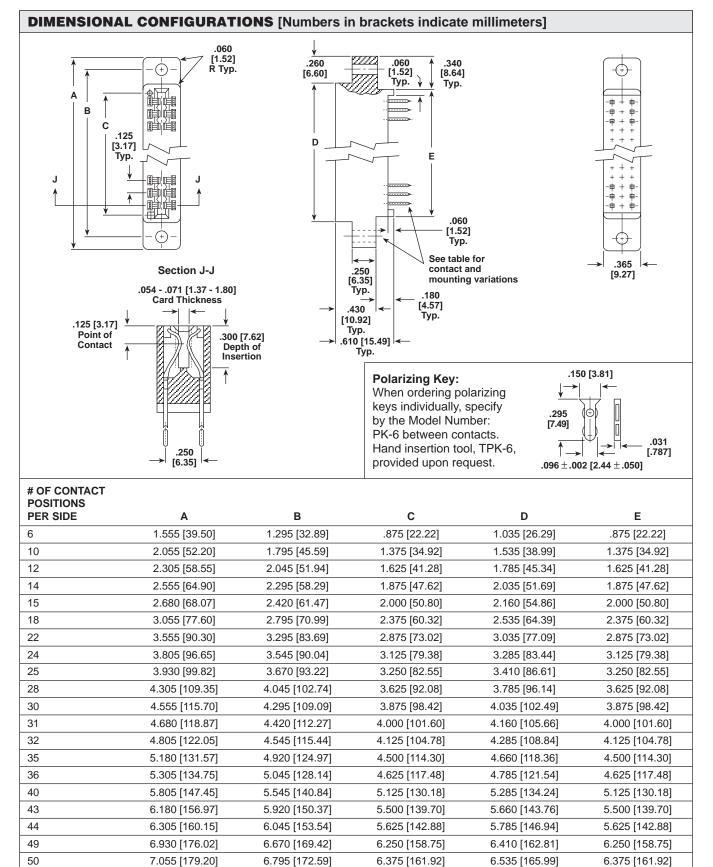
Card Slot Depth: .300" [7.62mm].

Connector Polarization: Between contact polarization key(s) are located to the right of the contact position(s) designated.

NOTE: High temperature burn-in, edgeboard connectors, with .125" [3.17mm] center to center are on page 19 of this catalog.







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