

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



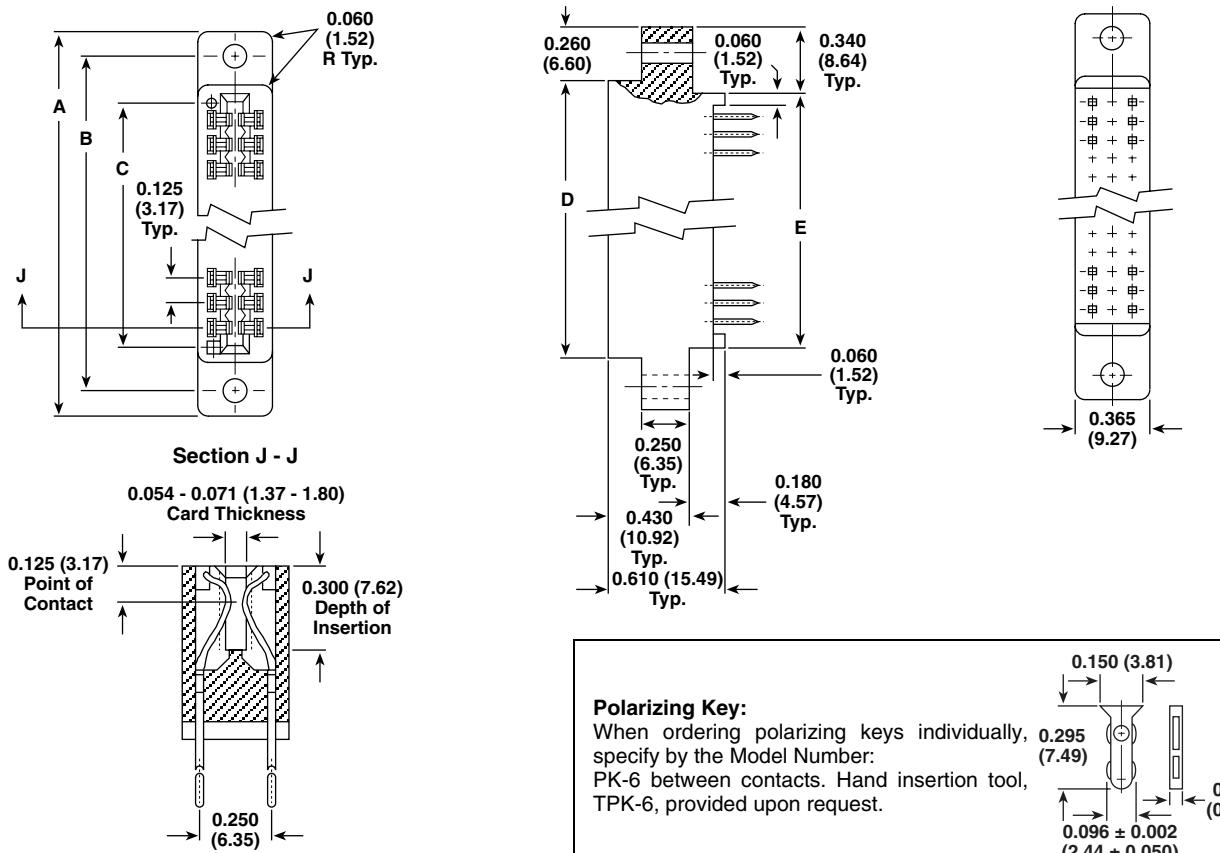
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**DIMENSIONS** in inches (millimeters)

| # OF CONTACT POSITIONS PER SIDE | A              | B              | C              | D              | E              |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| 6                               | 1.555 (39.50)  | 1.295 (32.89)  | 0.875 (22.22)  | 1.035 (26.29)  | 0.875 (22.22)  |
| 10                              | 2.055 (52.20)  | 1.795 (45.59)  | 1.375 (34.92)  | 1.535 (38.99)  | 1.375 (34.92)  |
| 12                              | 2.305 (58.55)  | 2.045 (51.94)  | 1.625 (41.28)  | 1.785 (45.34)  | 1.625 (41.28)  |
| 14                              | 2.555 (64.90)  | 2.295 (58.29)  | 1.875 (47.62)  | 2.035 (51.69)  | 1.875 (47.62)  |
| 15                              | 2.680 (68.07)  | 2.420 (61.47)  | 2.000 (50.80)  | 2.160 (54.86)  | 2.000 (50.80)  |
| 18                              | 3.055 (77.60)  | 2.795 (70.99)  | 2.375 (60.32)  | 2.535 (64.39)  | 2.375 (60.32)  |
| 22                              | 3.555 (90.30)  | 3.295 (83.69)  | 2.875 (73.02)  | 3.035 (77.09)  | 2.875 (73.02)  |
| 24                              | 3.805 (96.65)  | 3.545 (90.04)  | 3.125 (79.38)  | 3.285 (83.44)  | 3.125 (79.38)  |
| 25                              | 3.930 (99.82)  | 3.670 (93.22)  | 3.250 (82.55)  | 3.410 (86.61)  | 3.250 (82.55)  |
| 28                              | 4.305 (109.35) | 4.045 (102.74) | 3.625 (92.08)  | 3.785 (96.14)  | 3.625 (92.08)  |
| 30                              | 4.555 (115.70) | 4.295 (109.09) | 3.875 (98.42)  | 4.035 (102.49) | 3.875 (98.42)  |
| 31                              | 4.680 (118.87) | 4.420 (112.27) | 4.000 (101.60) | 4.160 (105.66) | 4.000 (101.60) |
| 32                              | 4.805 (122.05) | 4.545 (115.44) | 4.125 (104.78) | 4.285 (108.84) | 4.125 (104.78) |
| 35                              | 5.180 (131.57) | 4.920 (124.97) | 4.500 (114.30) | 4.660 (118.36) | 4.500 (114.30) |
| 36                              | 5.305 (134.75) | 5.045 (128.14) | 4.625 (117.48) | 4.785 (121.54) | 4.625 (117.48) |
| 40                              | 5.805 (147.45) | 5.545 (140.84) | 5.125 (130.18) | 5.285 (134.24) | 5.125 (130.18) |
| 43                              | 6.180 (156.97) | 5.920 (150.37) | 5.500 (139.70) | 5.660 (143.76) | 5.500 (139.70) |
| 44                              | 6.305 (160.15) | 6.045 (153.54) | 5.625 (142.88) | 5.785 (146.94) | 5.625 (142.88) |
| 49                              | 6.930 (176.02) | 6.670 (169.42) | 6.250 (158.75) | 6.410 (162.81) | 6.250 (158.75) |
| 50                              | 7.055 (179.20) | 6.795 (172.59) | 6.375 (161.92) | 6.535 (165.99) | 6.375 (161.92) |

## 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, 0.025" (0.635 mm) square terminals, 0.175" (4.44 mm) nominal terminal length below standoffs

**Type "D"** - dip solder, 0.025" (0.635 mm) square terminals, 0.115" (2.92 mm) nominal terminal length below standoffs

**Type "K"** - Wire Wrap™, 0.025" (0.635 mm) square terminals, 0.570" (14.48 mm) nominal terminal length below standoffs

**Contact Terminal Variation:** Right angle terminals

**Type "1R"** - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing

**Type "2R"** - dip solder, 0.025" (0.635 mm) square terminals, 0.120" (3.05 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing

**Type "3R"** - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.150" (3.81 mm) nominal terminal row spacing

**Type "4R"** - dip solder, 0.025" (0.635 mm) square terminals, 0.180" (4.57 mm) nominal terminal length x 0.200" (5.08 mm) nominal terminal row spacing

**Contact Spacing:** 0.125" (3.17 mm) center to center

**Contact Terminal Row Spacing:** Standard - 0.250" (6.35 mm) nominal. Right angle - 0.200" (5.08 mm) nominal and 0.150" (3.81 mm) nominal

**Card Thickness:** 0.054" to 0.071" (1.37 mm to 1.80 mm)

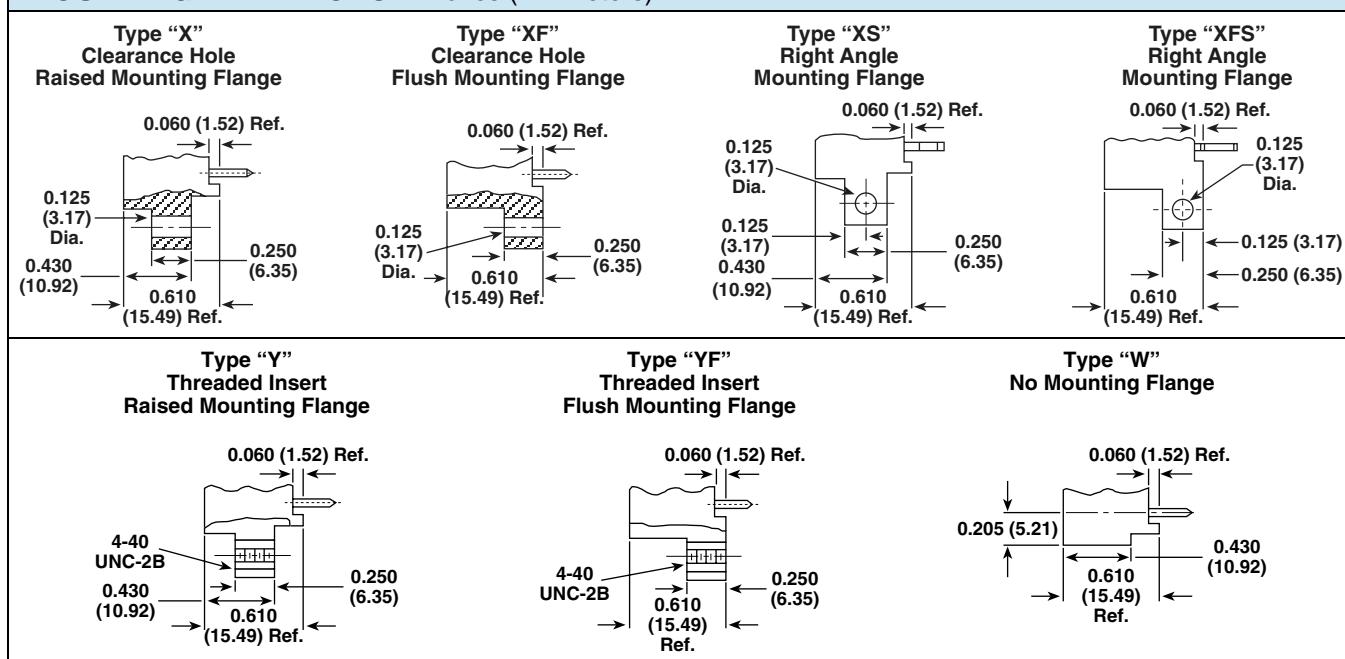
**Card Slot Depth:** 0.300" (7.62 mm)

**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 0.125" (3.17 mm) center to center are on [www.vishay.com/doc?36006](http://www.vishay.com/doc?36006)

## MOUNTING VARIATIONS in inches (millimeters)



## TERMINAL VARIATIONS in inches (millimeters)

| Type | A            | B                            |
|------|--------------|------------------------------|
| 1R   | 0.150 (3.81) | 0.120 ± 0.030 (3.05 ± 0.762) |
| 2R   | 0.200 (5.08) | 0.120 ± 0.030 (3.05 ± 0.762) |
| 3R   | 0.150 (3.81) | 0.180 ± 0.030 (4.57 ± 0.762) |
| 4R   | 0.200 (5.08) | 0.180 ± 0.030 (4.57 ± 0.762) |

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