



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

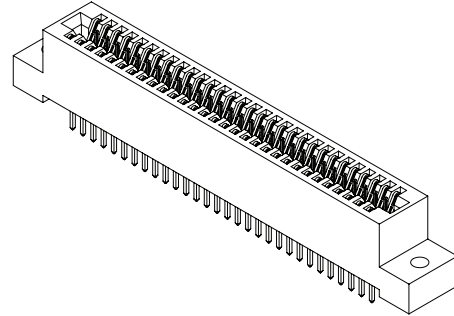




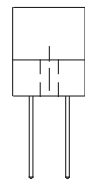
.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Profile, .470" [11.94 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle for .093" or .125" Mating PCB

SPECIFICATIONS

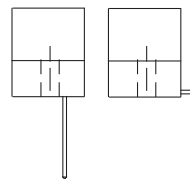
- Accommodates $.093" \pm .008"$ [2.36 mm \pm 0.20 mm] or $.125" \pm .008"$ [3.18 mm \pm 0.20 mm] mating PCB
(Consult Factory for $.031" \pm .006"$ [0.79 mm \pm 0.15 mm] PC Board)
- PBT, PPS or PA9T insulator
- Molded-in key available
- 3 Amps current rating for one contact energized
- 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0



READOUT

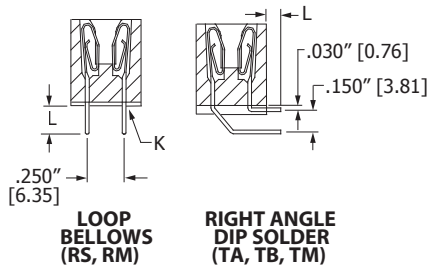


DUAL (D)



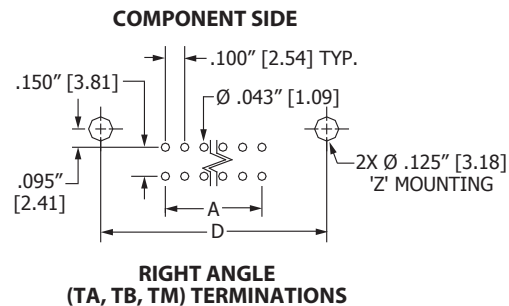
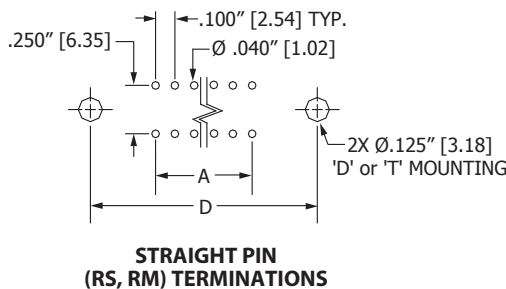
HALF LOADED (H)

TERMINATION TYPE

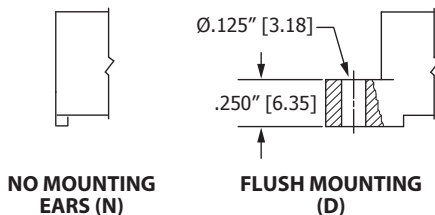


| TERMINATION TYPE | POST CROSS SECTION (K) | POST LENGTH L $\pm .025$ [0.64] | FITS MIN. HOLE SIZE |
|-----------------------|------------------------|---------------------------------|---------------------|
| RS Dip Solder | .025" [0.64] SQ. | .190" [4.83] | .040" [1.02] |
| RM Wire Wrap | .025" [0.64] SQ. | .560" [14.20] | .040" [1.02] |
| TA Right Angle | .025" [0.64] SQ. | .100" [2.54] | .043" [1.09] |
| TB Right Angle | .025" [0.64] SQ. | .180" [4.57] | .043" [1.09] |
| TM Right Angle | .025" [0.64] SQ. | .250" [6.35] | .043" [1.09] |

PCB LAYOUT



MOUNTING STYLE



NO MOUNTING EARS (N)

FLUSH MOUNTING (D)

FLUSH MOUNTING WITH THREADED INSERT (T)

FLUSH MOUNTING WITH SIDE HOLES (Z)



.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Profile, .470" [11.94 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle for .093" or .125" Mating PCB

PART NUMBER OPTIONS

MATERIALS (INSULATOR/CONTACT)

- E = PBT/Phosphor Bronze
 - R = PPS/Phosphor Bronze
 - G = PA9T/Phosphor Bronze
 - H = PBT/Beryllium Copper
 - A = PPS/Beryllium Copper
 - J = PA9T/Beryllium Copper
- (Consult factory for other materials.)
Refer to Page 7 for Operating/Processing Temperatures

CONTACT FINISH - RoHS Compliant

- All platings are Lead Free and have .000050" Nickel underplate
- | Contact Surface | Termination |
|------------------------------|--------------------------|
| B = .000010" Gold | .000100" Pure Tin, Matte |
| C = .000030" Gold | .000100" Pure Tin, Matte |
| G = .000010" Gold | .000005" Gold |
| Y = .000030" Gold | .000005" Gold |
| Contact Surface | Overall Plating |
| S = .000010" Gold | .000010" Gold |
| M = .000030" Gold | .000010" Gold |
| E = .000100" Pure Tin, Matte | .000100" Pure Tin, Matte |

E B C 70 D RM D - S273

MODIFICATION CODE (Consult Factory)

- S273 = FOR .093" ± .008" [2.36 mm ± 0.20 mm] THICK MATING PCB
- S664 = FOR .125" ± .008" [3.18 mm ± 0.20 mm] THICK MATING PCB

MOUNTING STYLE (Opposite Page)

- N = No Mounting
- D = Flush Mounting
- T = Flush Mounting With Threaded Inserts
- Z = Flush Mounting With Side Holes

TERMINATION TYPE (Opposite Page)

- RS = .025" [0.64 mm] Square Dip Solder
- RM = .025" [0.64 mm] Square Wire Wrap
- TA, TB, TM = .025" [0.64 mm] Square Right Angle

READOUT (Opposite Page)

- D = Dual
- H = Half Loaded

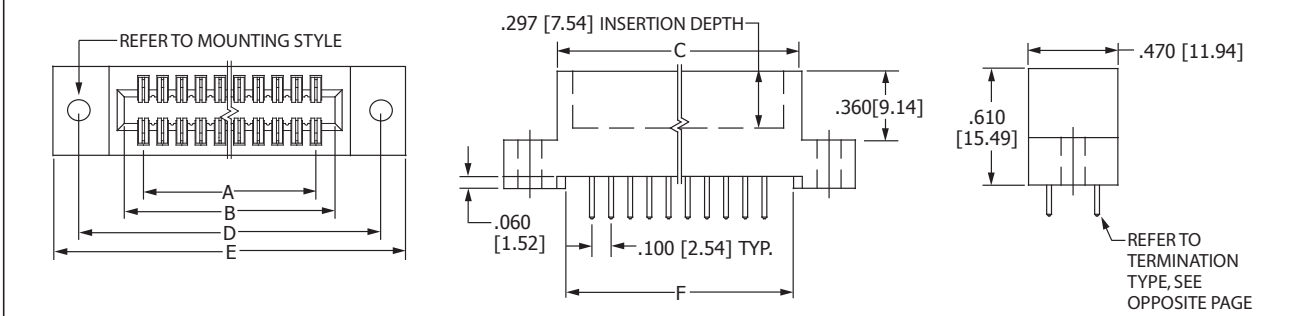
NUMBER OF CONTACT POSITIONS

See Chart Below

CONTACT CENTERS

- C = .100" [2.54 mm]

DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.



Tolerances on non-critical dimensions may vary slightly due to shrinkage differential per insulator material; Consult factory.

| POSITIONS/ CONTACTS | INCHES | | | | | | MILLIMETERS | | | | | |
|------------------------|--------|--------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|--------|
| | A±.008 | B±.008 | C±.015 | D±.010 | E±.020 | F±.015 | A±0.20 | B±0.20 | C±0.38 | D±0.25 | E±0.51 | F±0.38 |
| 06/12 | 0.500 | 0.700 | 0.860 | 1.175 | 1.435 | 0.750 | 12.70 | 17.78 | 21.84 | 29.85 | 36.45 | 19.05 |
| 07/14* | 0.600 | 0.800 | 0.960 | 1.275 | 1.535 | 0.850 | 15.24 | 20.32 | 24.38 | 32.39 | 38.99 | 21.59 |
| 08/16* | 0.700 | 0.900 | 1.060 | 1.375 | 1.635 | 0.950 | 17.78 | 22.86 | 26.92 | 34.93 | 41.53 | 24.13 |
| 10/20 | 0.900 | 1.100 | 1.260 | 1.575 | 1.835 | 1.150 | 22.86 | 27.94 | 32.00 | 40.01 | 46.61 | 29.21 |
| 12/24 | 1.100 | 1.300 | 1.460 | 1.775 | 2.035 | 1.350 | 27.94 | 33.02 | 37.08 | 45.09 | 51.69 | 34.29 |
| 15/30* | 1.400 | 1.600 | 1.760 | 2.075 | 2.335 | 1.650 | 35.56 | 40.64 | 44.70 | 52.71 | 59.31 | 41.91 |
| 17/34 | 1.600 | 1.800 | 1.960 | 2.275 | 2.535 | 1.850 | 40.64 | 45.72 | 49.78 | 57.79 | 64.39 | 46.99 |
| 18/36 | 1.700 | 1.900 | 2.060 | 2.375 | 2.635 | 1.950 | 43.18 | 48.26 | 52.32 | 60.33 | 66.93 | 49.53 |
| 20/40* | 1.900 | 2.100 | 2.260 | 2.575 | 2.835 | 2.150 | 48.26 | 53.34 | 57.40 | 65.41 | 72.01 | 54.61 |
| 22/44 | 2.100 | 2.300 | 2.460 | 2.775 | 3.035 | 2.350 | 53.34 | 58.42 | 62.48 | 70.49 | 77.09 | 59.69 |
| 24/48* | 2.300 | 2.500 | 2.660 | 2.975 | 3.235 | 2.550 | 58.42 | 63.50 | 67.56 | 75.57 | 82.17 | 64.77 |
| 25/50* | 2.400 | 2.600 | 2.760 | 3.075 | 3.335 | 2.650 | 60.96 | 66.04 | 70.10 | 78.11 | 84.71 | 67.31 |
| 28/56 | 2.700 | 2.900 | 3.060 | 3.375 | 3.635 | 2.950 | 68.58 | 73.66 | 77.72 | 85.73 | 92.33 | 74.93 |
| 30/60 | 2.900 | 3.100 | 3.260 | 3.575 | 3.835 | 3.150 | 73.66 | 78.74 | 82.80 | 90.81 | 97.41 | 80.01 |
| 31/62* | 3.000 | 3.200 | 3.360 | 3.675 | 3.935 | 3.250 | 76.20 | 81.28 | 85.34 | 93.35 | 99.95 | 82.55 |
| 35/70 | 3.400 | 3.600 | 3.760 | 4.075 | 4.335 | 3.650 | 86.36 | 91.44 | 95.50 | 103.51 | 110.11 | 92.71 |
| 36/72 | 3.500 | 3.700 | 3.860 | 4.175 | 4.435 | 3.750 | 88.90 | 93.98 | 98.04 | 106.05 | 112.65 | 95.25 |
| 40/80* | 3.900 | 4.100 | 4.260 | 4.575 | 4.835 | 4.150 | 99.06 | 104.14 | 108.20 | 116.21 | 122.81 | 105.41 |
| 43/86 | 4.200 | 4.400 | 4.560 | 4.875 | 5.135 | 4.450 | 106.68 | 111.76 | 115.82 | 123.83 | 130.43 | 113.03 |
| 44/88* | 4.300 | 4.500 | 4.660 | 4.975 | 5.235 | 4.550 | 109.22 | 114.30 | 118.36 | 126.37 | 132.97 | 115.57 |
| 49/98* | 4.800 | 5.000 | 5.160 | 5.475 | 5.735 | 5.050 | 121.92 | 127.00 | 131.06 | 139.07 | 145.67 | 128.27 |
| 50/100 | 4.900 | 5.100 | 5.260 | 5.575 | 5.835 | 5.150 | 124.46 | 129.54 | 133.60 | 141.61 | 148.21 | 130.81 |
| 55/110 | 5.400 | 5.600 | 5.760 | 6.075 | 6.335 | 5.650 | 137.16 | 142.24 | 146.30 | 154.31 | 160.91 | 143.51 |
| 60/120* | 5.900 | 6.100 | 6.260 | 6.575 | 6.835 | 6.150 | 149.86 | 154.94 | 159.00 | 167.01 | 173.61 | 156.21 |
| 61/122 | 6.000 | 6.200 | 6.360 | 6.675 | 6.935 | 6.250 | 152.40 | 157.48 | 161.54 | 169.55 | 176.15 | 158.75 |
| 65/130* | 6.400 | 6.600 | 6.760 | 7.075 | 7.335 | 6.650 | 162.56 | 167.64 | 171.70 | 179.71 | 186.31 | 168.91 |
| 70/140 | 6.900 | 7.100 | 7.260 | 7.575 | 7.835 | 7.150 | 175.26 | 180.34 | 184.40 | 192.41 | 199.01 | 181.61 |

* Consult factory for availability.