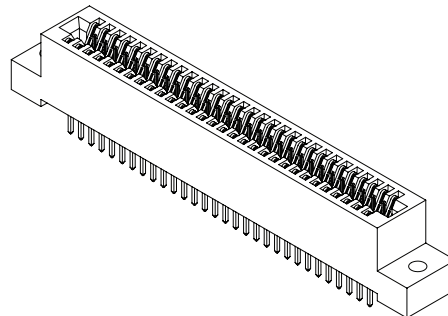




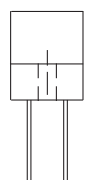
**.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Profile, .470" [11.94 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle for .093" or .125" Mating PCB**

### SPECIFICATIONS

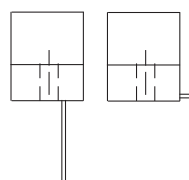
- Accommodates  $.093" \pm .008"$  [2.36 mm  $\pm$  0.20 mm] or  $.125" \pm .008"$  [3.18 mm  $\pm$  0.20 mm] mating PCB  
(Consult Factory for  $.031" \pm .006"$  [0.79 mm  $\pm$  0.15 mm] PC Board)
- PBT, PPS or PA9T insulator
- Molded-in key available
- 3 Amps current rating for one contact energized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



### READOUT

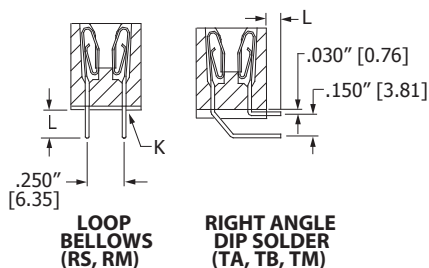


DUAL (D)



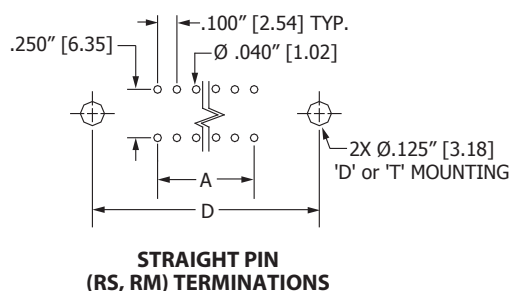
HALF LOADED (H)

### TERMINATION TYPE

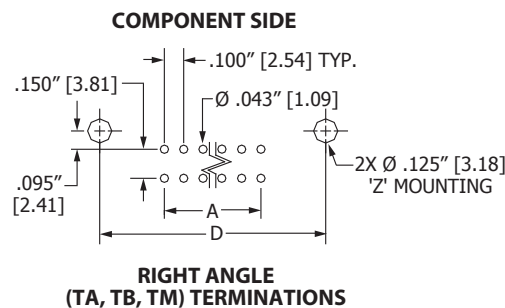


| TERMINATION TYPE |             | POST CROSS SECTION (K) | POST LENGTH L $\pm .025"$ [0.64] | FITS MIN. HOLE SIZE |
|------------------|-------------|------------------------|----------------------------------|---------------------|
| RS               | Dip Solder  | .025" [0.64] SQ.       | .190" [4.83]                     | .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

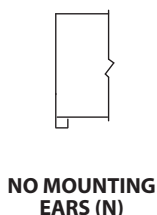


STRAIGHT PIN (RS, RM) TERMINATIONS

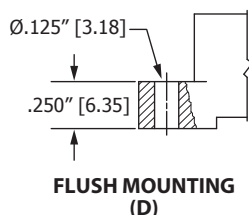


RIGHT ANGLE (TA, TB, TM) TERMINATIONS

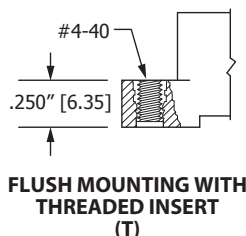
### MOUNTING STYLE



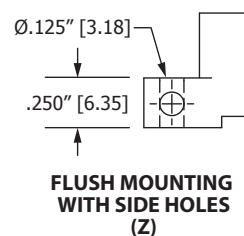
NO MOUNTING EARS (N)



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

B = .000010" Gold  
C = .000030" Gold  
G = .000010" Gold  
Y = .000030" Gold

##### Contact Surface

S = .000010" Gold  
M = .000030" Gold  
E = .000100" Pure Tin, Matte

##### Termination

.000100" Pure Tin, Matte  
.000100" Pure Tin, Matte  
.000005" Gold  
.000005" Gold

##### Overall Plating

.000010" Gold  
.000010" Gold  
.000100" Pure Tin, Matte

E B C 70 D RM D - S273

#### MODIFICATION CODE (Consult Factory)

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

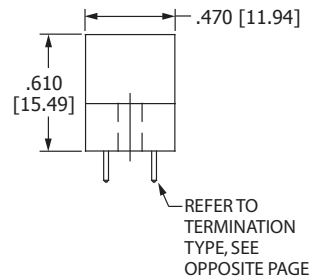
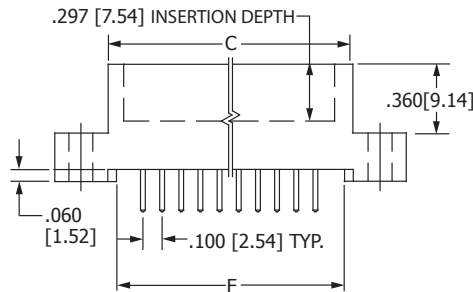
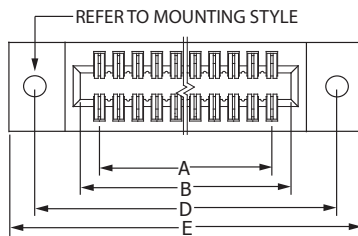
#### NUMBER OF CONTACT POSITIONS

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/<br>CONTACTS | INCHES       |              |              |              |              |              | MILLIMETERS  |              |              |              |              |              |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                        | A $\pm$ .008 | B $\pm$ .008 | C $\pm$ .015 | D $\pm$ .010 | E $\pm$ .020 | F $\pm$ .015 | A $\pm$ 0.20 | B $\pm$ 0.20 | C $\pm$ 0.38 | D $\pm$ 0.25 | E $\pm$ 0.51 | F $\pm$ 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.