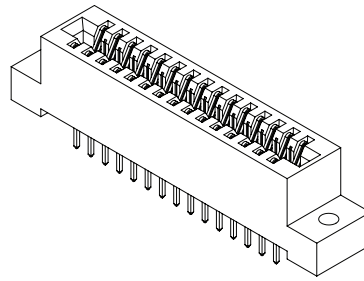




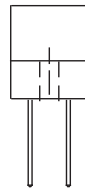
**.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height,  
Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB**

### SPECIFICATIONS

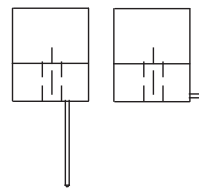
- Accommodates .093"  $\pm$  .008" [2.36 mm  $\pm$  0.20 mm] PC board or .125"  $\pm$  .008" [3.18 mm  $\pm$  0.20 mm] mating PCB
- PBT, PPS or PA9T insulator
- Molded-in key available
- 3 Amps current rating for one contact energized
- 30 milli Ohms maximum at rated current
- UL Flammability Rating: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



### READOUT

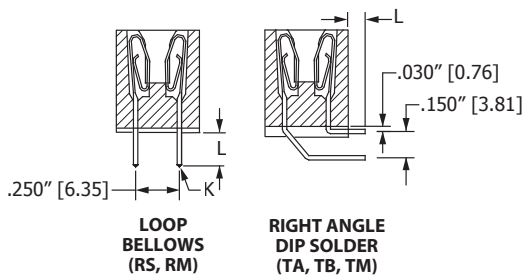


DUAL (D)



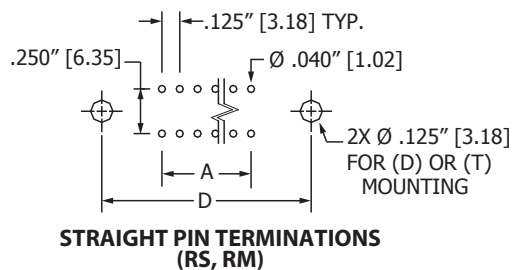
HALF LOADED (H)

### TERMINATION TYPE

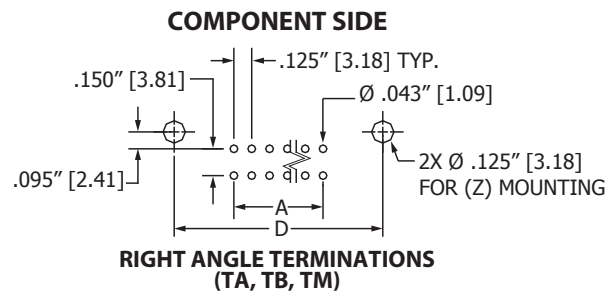


| TERMINATION TYPE | POST CROSS SECTION (K) | POST LENGTH L $\pm$ .025" [0.64] | FITS MIN. HOLE SIZE |
|------------------|------------------------|----------------------------------|---------------------|
| RS DIP SOLDER    | .025" [0.64] SQ.       | .190" [4.83]                     | .040" [1.02]        |
| 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

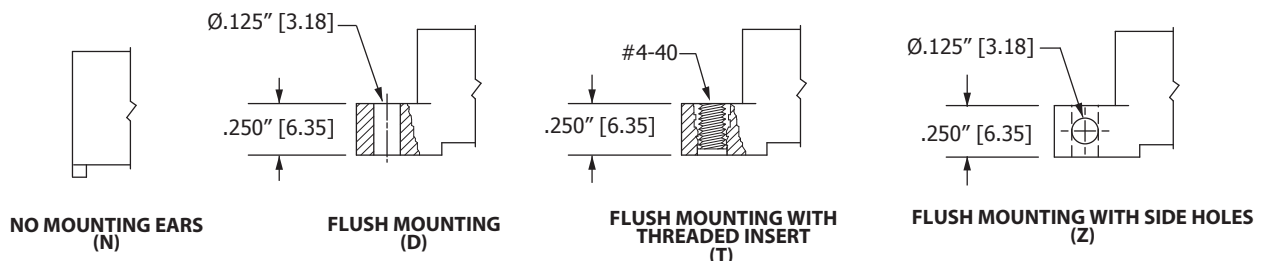


STRAIGHT PIN TERMINATIONS  
(RS, RM)



RIGHT ANGLE TERMINATIONS  
(TA, TB, TM)

### MOUNTING STYLE



NO MOUNTING EARS  
(N)

FLUSH MOUNTING  
(D)

FLUSH MOUNTING WITH  
THREADED INSERT  
(T)

FLUSH MOUNTING WITH SIDE HOLES  
(Z)



**.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height,  
Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB**

### PART NUMBER OPTIONS

#### MATERIALS (INSULATOR/CONTACT)

E = PBT/Phosphor Bronze(Standard)  
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 |

#### CONTACT CENTERS

A = .125" [3.18 mm]

**E B A 50 D R M 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

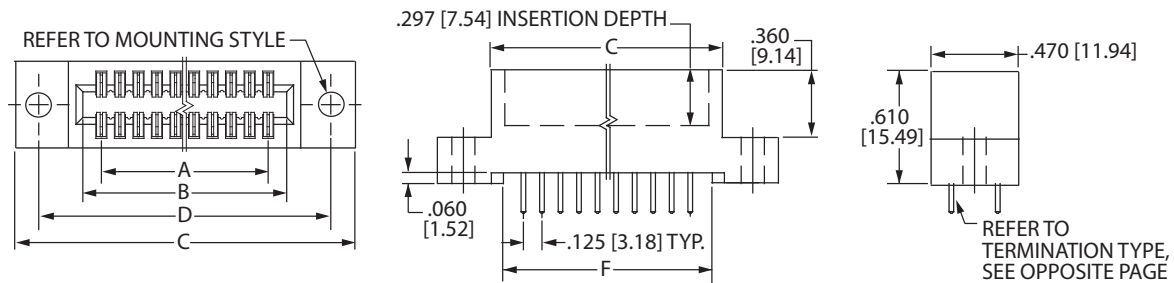
#### READOUT (Opposite Page)

D = Dual  
H = Half Loaded

#### NUMBER OF CONTACT POSITIONS

See Chart Below

### 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±.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*                 | 0.625  | 0.875  | 1.035  | 1.295  | 1.555  | 0.915  | 15.88       | 22.23  | 26.29  | 32.89  | 39.50  | 23.24  |
| 08/16*                 | 0.875  | 1.125  | 1.285  | 1.545  | 1.805  | 1.165  | 22.23       | 28.58  | 32.64  | 39.24  | 45.85  | 29.59  |
| 10/20*                 | 1.125  | 1.375  | 1.535  | 1.795  | 2.055  | 1.415  | 28.58       | 34.93  | 38.99  | 45.59  | 52.20  | 35.94  |
| 14/28*                 | 1.625  | 1.875  | 2.035  | 2.295  | 2.555  | 1.915  | 41.28       | 47.63  | 51.69  | 58.29  | 64.90  | 48.64  |
| 15/30*                 | 1.750  | 2.000  | 2.160  | 2.420  | 2.680  | 2.040  | 44.45       | 50.80  | 54.86  | 61.47  | 68.07  | 51.82  |
| 18/36*                 | 2.125  | 2.375  | 2.535  | 2.795  | 3.055  | 2.415  | 53.98       | 60.33  | 64.39  | 70.99  | 77.60  | 61.34  |
| 22/44*                 | 2.625  | 2.875  | 3.035  | 3.295  | 3.555  | 2.915  | 66.68       | 73.03  | 77.09  | 83.69  | 90.30  | 74.04  |
| 24/48*                 | 2.875  | 3.125  | 3.285  | 3.545  | 3.805  | 3.165  | 73.03       | 79.38  | 83.44  | 90.04  | 96.65  | 80.39  |
| 25/50                  | 3.000  | 3.250  | 3.410  | 3.670  | 3.930  | 3.290  | 76.20       | 82.55  | 86.61  | 93.22  | 99.82  | 83.57  |
| 28/56*                 | 3.375  | 3.625  | 3.785  | 4.045  | 4.305  | 3.665  | 85.73       | 92.08  | 96.14  | 102.74 | 109.35 | 93.09  |
| 30/60                  | 3.625  | 3.875  | 4.035  | 4.295  | 4.555  | 3.915  | 92.08       | 98.43  | 102.49 | 109.09 | 115.70 | 99.44  |
| 31/62*                 | 3.750  | 4.000  | 4.160  | 4.420  | 4.680  | 4.040  | 95.25       | 101.60 | 105.66 | 112.27 | 118.87 | 102.62 |
| 32/64                  | 3.875  | 4.125  | 4.285  | 4.545  | 4.805  | 4.165  | 98.43       | 104.78 | 108.84 | 115.44 | 122.05 | 105.79 |
| 35/70*                 | 4.250  | 4.500  | 4.660  | 4.920  | 5.180  | 4.540  | 107.95      | 114.30 | 118.36 | 124.97 | 131.57 | 115.32 |
| 36/72                  | 4.375  | 4.625  | 4.785  | 5.045  | 5.305  | 4.665  | 111.13      | 117.48 | 121.54 | 128.14 | 134.75 | 118.49 |
| 40/80*                 | 4.875  | 5.125  | 5.285  | 5.545  | 5.805  | 5.165  | 123.83      | 130.18 | 134.24 | 140.84 | 147.45 | 131.19 |
| 43/86*                 | 5.250  | 5.500  | 5.660  | 5.920  | 6.180  | 5.540  | 133.35      | 139.70 | 143.76 | 150.37 | 156.97 | 140.72 |
| 44/88*                 | 5.375  | 5.625  | 5.785  | 6.045  | 6.305  | 5.665  | 136.53      | 142.88 | 146.94 | 153.54 | 160.15 | 143.89 |
| 49/98*                 | 6.000  | 6.250  | 6.410  | 6.670  | 6.930  | 6.290  | 152.40      | 158.75 | 162.81 | 169.42 | 176.02 | 159.77 |
| 50/100                 | 6.125  | 6.375  | 6.535  | 6.795  | 7.055  | 6.415  | 155.58      | 161.93 | 165.99 | 172.59 | 179.20 | 162.94 |

\* Consult factory for availability.