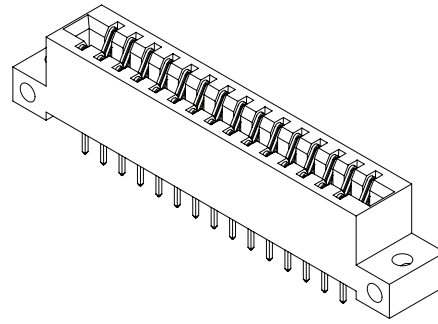




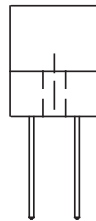
**.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height,  
Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB**

### SPECIFICATIONS

- Accommodates .093"  $\pm$  .008" [2.36 mm  $\pm$  0.20 mm] 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 boards)
- 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

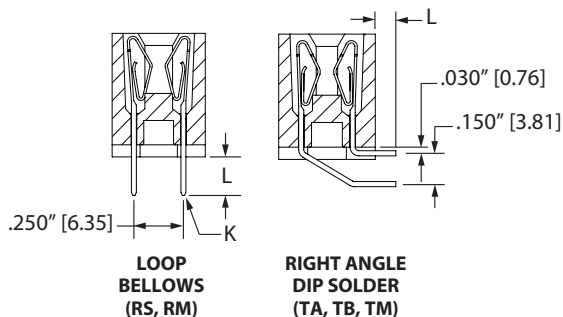


### READOUT



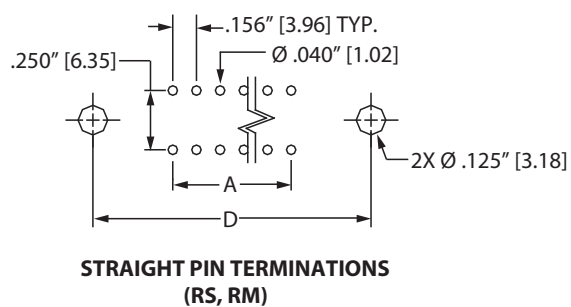
DUAL (D)

### TERMINATION TYPE

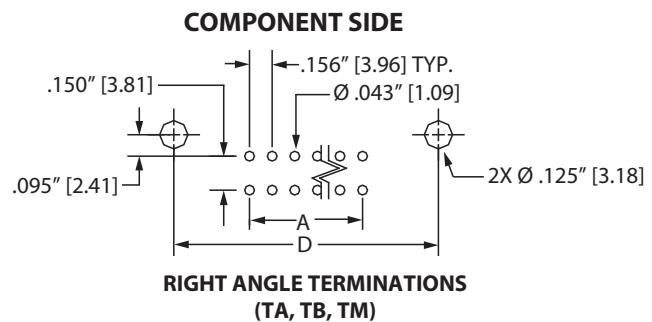


| TERMINATION TYPE |             | POST CROSS SECTION (K) | POST LENGTH L $\pm$ .025" [0.64] | FITS MIN. HOLE SIZE |
|------------------|-------------|------------------------|----------------------------------|---------------------|
| RS               | Dip Solder  | .025" [0.64] SQUARE    | .190" [4.83]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

### PCB LAYOUT

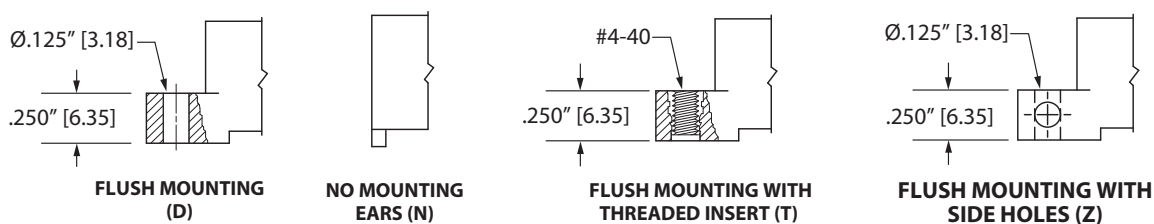


STRAIGHT PIN TERMINATIONS  
(RS, RM)



RIGHT ANGLE TERMINATIONS  
(TA, TB, TM)

### MOUNTING STYLE



FLUSH MOUNTING  
(D)

NO MOUNTING  
EARS (N)

FLUSH MOUNTING WITH  
THREADED INSERT (T)

FLUSH MOUNTING WITH  
SIDE HOLES (Z)



**.156" [3.96 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

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

#### CONTACT CENTERS

M = .156" [3.96 mm]

**E B M 43 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

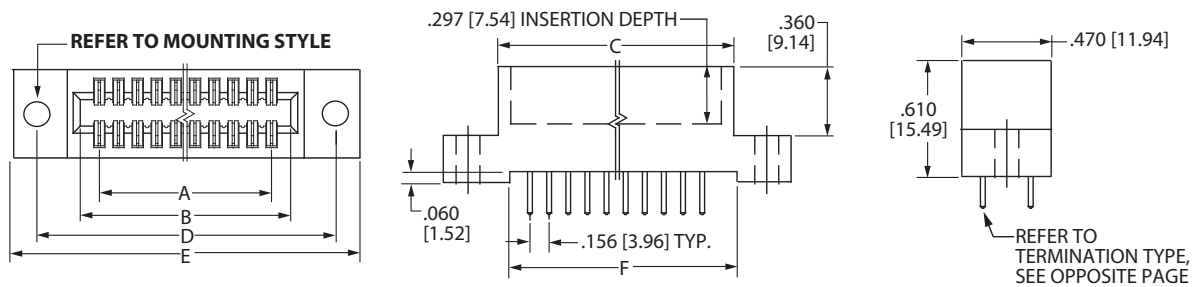
#### READOUT (Opposite Page)

D = Dual

#### 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 $\pm$ .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                  | 0.780        | 1.102        | 1.221        | 1.534        | 1.784        | 1.104        | 19.81        | 27.99        | 31.01        | 38.96        | 45.31        | 28.04        |
| 08/16*                 | 1.092        | 1.414        | 1.533        | 1.846        | 2.096        | 1.416        | 27.74        | 35.92        | 38.94        | 46.89        | 53.24        | 35.97        |
| 10/20                  | 1.404        | 1.726        | 1.845        | 2.158        | 2.408        | 1.728        | 35.66        | 43.84        | 46.86        | 54.81        | 61.16        | 43.89        |
| 12/24                  | 1.716        | 2.038        | 2.157        | 2.470        | 2.720        | 2.040        | 43.59        | 51.77        | 54.79        | 62.74        | 69.09        | 51.82        |
| 15/30                  | 2.184        | 2.506        | 2.625        | 2.938        | 3.188        | 2.508        | 55.47        | 63.65        | 66.68        | 74.63        | 80.98        | 63.70        |
| 18/36                  | 2.652        | 2.974        | 3.093        | 3.406        | 3.656        | 2.976        | 67.36        | 75.54        | 78.56        | 86.51        | 92.86        | 75.59        |
| 20/40                  | 2.964        | 3.286        | 3.405        | 3.718        | 3.968        | 3.288        | 75.29        | 83.46        | 86.49        | 94.44        | 100.79       | 83.52        |
| 22/44                  | 3.276        | 3.598        | 3.717        | 4.030        | 4.280        | 3.600        | 83.21        | 91.39        | 94.41        | 102.36       | 108.71       | 91.44        |
| 24/48*                 | 3.588        | 3.910        | 4.029        | 4.342        | 4.592        | 3.912        | 91.14        | 99.31        | 102.34       | 110.29       | 116.64       | 99.37        |
| 25/50*                 | 3.744        | 4.066        | 4.185        | 4.498        | 4.748        | 4.068        | 95.10        | 103.28       | 106.30       | 114.25       | 120.60       | 103.33       |
| 28/56*                 | 4.212        | 4.534        | 4.653        | 4.966        | 5.216        | 4.536        | 106.98       | 115.16       | 118.19       | 126.14       | 132.49       | 115.21       |
| 30/60*                 | 4.524        | 4.846        | 4.965        | 5.278        | 5.528        | 4.848        | 114.91       | 123.09       | 126.11       | 134.06       | 140.41       | 123.14       |
| 31/62*                 | 4.680        | 5.002        | 5.121        | 5.434        | 5.684        | 5.004        | 118.87       | 127.05       | 130.07       | 138.02       | 144.37       | 127.10       |
| 32/64                  | 4.836        | 5.158        | 5.277        | 5.590        | 5.840        | 5.160        | 122.83       | 131.01       | 134.04       | 141.99       | 148.34       | 131.06       |
| 36/72                  | 5.460        | 5.782        | 5.901        | 6.214        | 6.464        | 5.784        | 138.68       | 146.86       | 149.89       | 157.84       | 164.19       | 146.91       |
| 40/80*                 | 6.084        | 6.406        | 6.525        | 6.838        | 7.088        | 6.408        | 154.53       | 162.71       | 165.74       | 173.69       | 180.04       | 162.76       |
| 43/86*                 | 6.552        | 6.874        | 6.993        | 7.306        | 7.556        | 6.876        | 166.42       | 174.60       | 177.62       | 185.57       | 191.92       | 174.65       |

\* Consult factory for availability.