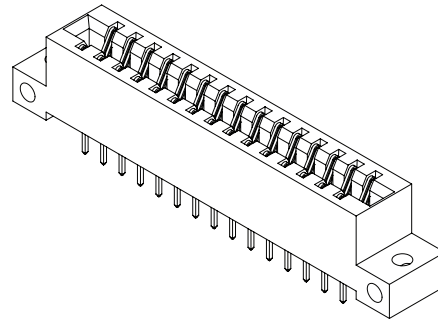




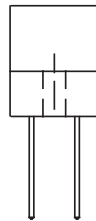
**.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height,  
Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB**

### 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

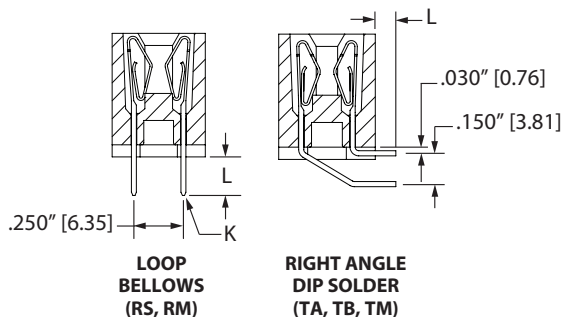


### READOUT



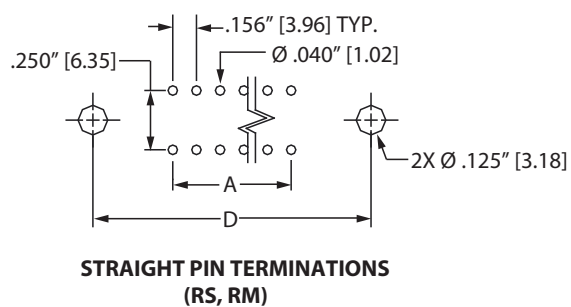
DUAL (D)

### TERMINATION TYPE

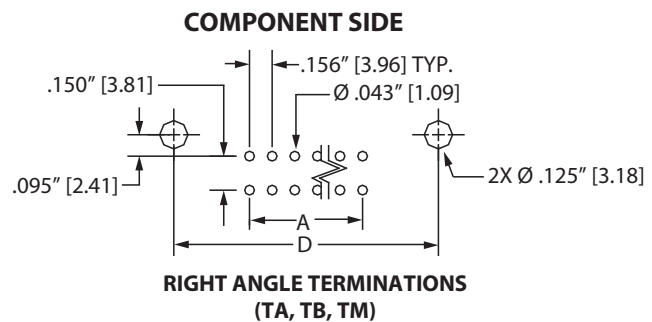


| TERMINATION TYPE |             | POST CROSS SECTION (K) | POST LENGTH L $\pm$ .025 [0.64] | FITS MIN. HOLE SIZE |
|------------------|-------------|------------------------|---------------------------------|---------------------|
| RS               | Dip Solder  | .025" [0.64] SQUARE    | .190" [4.83]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

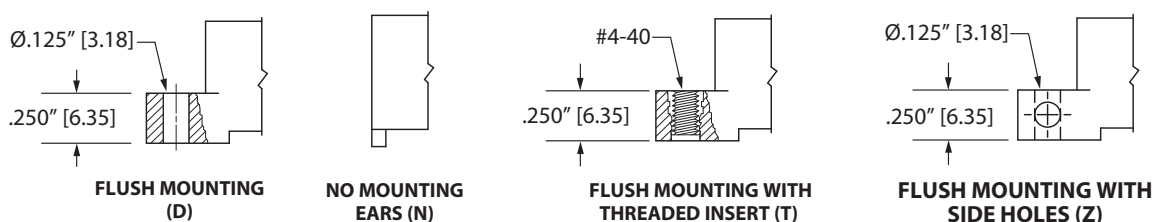


STRAIGHT PIN TERMINATIONS  
(RS, RM)



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              | 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

M = .156" [3.96 mm]

**E B M 43 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

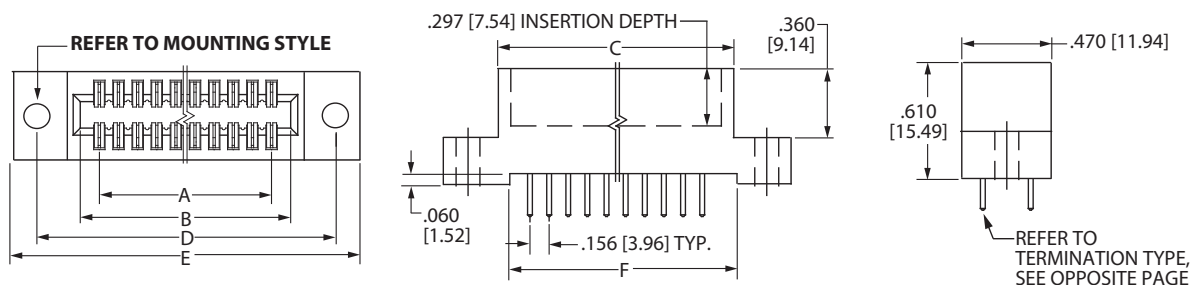
#### READOUT (Opposite Page)

D = Dual

#### 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                  | 0.780  | 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.