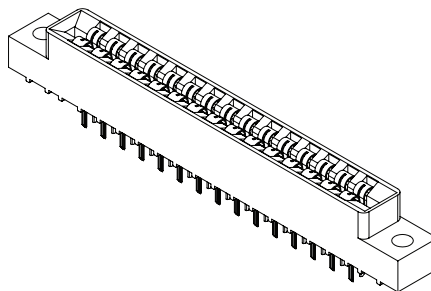




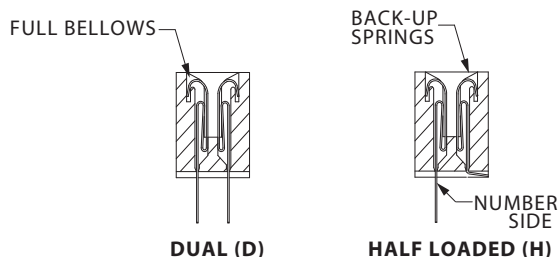
# **.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle**

## SPECIFICATIONS

- Accommodates .062"  $\pm$  .008" [1.57 mm  $\pm$  0.20 mm] PC board
- Molded-in key available
- 3 Amps current rating for one contact energized  
(for 5 Amps application, consult factory)
- 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0

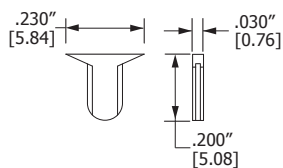


## READOUT

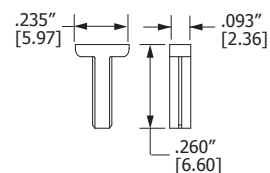


## POLARIZING KEY

**PLA-K1  
KEY IN BETWEEN CONTACTS  
(ORDER SEPARATELY)**



**PLM-K2  
KEY IN CONTACT  
(ORDER SEPARATELY)**



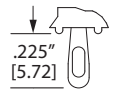
**CONSULT FACTORY FOR MOLDED-IN KEY**

## TERMINATION TYPE

**EYELET ACCEPTS  
3-#22 AWG**



**ALTERNATE  
EYELET SHAPE**  
\* (RE) .014" [0.36] THICK



(SE) .007" [0.18] THICK  
(RE) .014" [0.36] THICK

**EYELET  
(SE OR RE)**

.137" [3.48] (RT)  
.225" [5.71] (RK)  
.425" [10.80] (RY)

**NARROW DIP SOLDER  
(RT, RK, RY)**

.122" [3.10] (RT)  
.210" [5.33] (RK)  
.410" [10.41] (RY)  
.210" [5.33] (SE)

**CARD EXTENDER  
(RT, RK, RY, SE TERMINATIONS ONLY)  
REQUIRES -S13 MODIFICATION CODE**

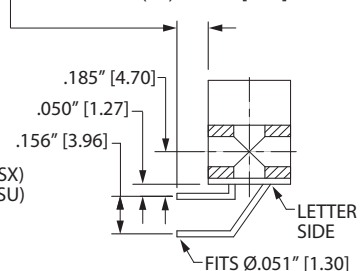
.137" [3.48] (RX)  
.200" [5.08] (RF)  
.225" [5.71] (RU)  
.408" [10.40] (RP)

**WIDE DIP SOLDER  
(RF, RX, RU, RP)**

.110"  $\pm$  .025" [2.79  $\pm$  0.64] (SX)  
.210"  $\pm$  .025" [5.33  $\pm$  0.64] (SU)

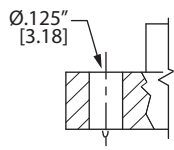
**CENTERED DIP SOLDER  
(SX, SU)  
AVAILABLE WITH DUAL OR  
HALF LOADED READOUT TYPE**

(RA) .125" [3.18] FOR ALL POSITIONS  
(SA) .270" [6.85] 02 THRU 25 POSITIONS  
(SA) .230" [5.84] 28 THRU 36 POSITIONS  
(SA) .190" [4.82] 43 POSITIONS  
TOLERANCE: (RA)  $\pm$  .025" [0.64]  
(SA)  $\pm$  .040" [1.00]

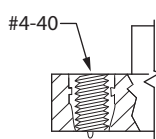


**RIGHT ANGLE,  
DIP SOLDER  
(RA, SA)**

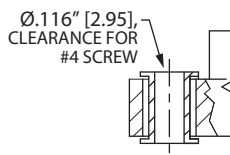
## MOUNTING STYLE



**CLEARANCE HOLE  
(H)**



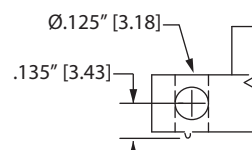
**THREADED  
INSERT (I)**



**FLOATING  
BOBBIN (F)**



**NO MOUNTING EARS  
(N)**



**SIDE MOUNTING  
(S)**

\* Beryllium Copper & Beryllium Nickel (H, A, J, F, C & W Material Codes) Only.

**.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle**



### 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  
 \*F = PPS/Spinodal (Overall Gold Plating Only)  
 Consult Factory for Special Soldering Guidelines  
 \*C = PPS/Beryllium Nickel (Overall Gold Plating Only)  
 \*W = PEEK/Beryllium Nickel (Overall Gold Plating Only)  
 \*Consult factory for availability.  
 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]

#### NUMBER OF CONTACT POSITIONS

See Chart Below

**E B M 43 D RK H - Sxxx**

**MODIFICATION CODE** (Consult Factory)  
 OMIT FOR STANDARD

-S13 = Card Extender Accepts .062" [1.57 mm] PCB  
 (RT, RK, RY, SE Terminations Only)

#### MOUNTING STYLE (Opposite Page)

H = .125" [3.18 mm] Clearance Holes  
 N = No Mounting  
 S = Side Mounting  
 I = Threaded Insert  
 F = Floating Bobbin

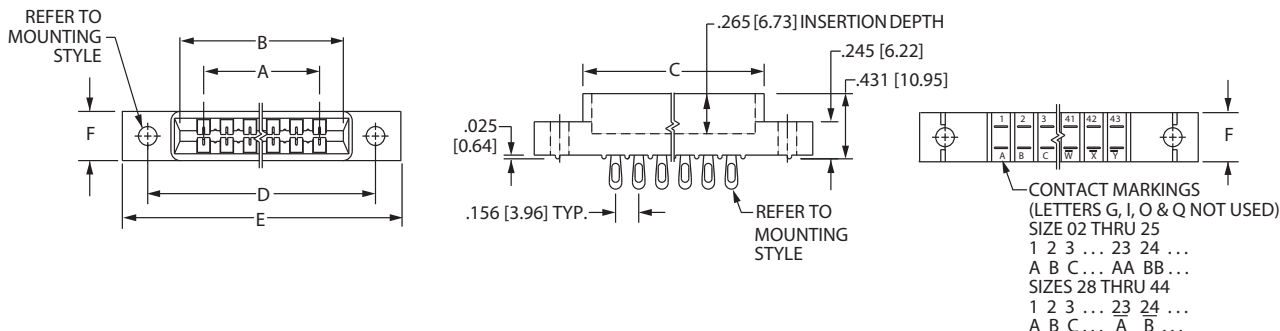
#### TERMINATION TYPE (Opposite Page)

RA = .125" [3.18 mm] Right Angle Dip Solder  
 SA = Long Right Angle Dip Solder  
 RT = .140" X .137" [3.56 mm X 3.48 mm] Dip Solder  
 RK = .140" X .225" [3.56 mm X 5.72 mm] Dip Solder  
 RY = .140" X .425" [3.56 mm X 10.80 mm] Dip Solder  
 RX = .200" X .137" [5.08 mm X 3.48 mm] Dip Solder  
 RF = .200" X .200" [5.08 mm X 5.08 mm] Dip Solder  
 RU = .200" X .225" [5.08 mm X 5.72 mm] Dip Solder  
 RP = .200" X .408" [5.08 mm X 10.36 mm] Dip Solder  
 SX = .110" [2.79 mm] Centered Dip Solder  
 SU = .210" [5.33 mm] Centered Dip Solder  
 SE = .007" [0.18 mm] Thick Eyelet  
 RE = .014" [0.36 mm] Thick Eyelet

#### READOUT (Opposite Page)

D = Dual  
 D = Dual Row/ Crimp to Center for  
 Single Readout (SX, SU Termination Only)  
 H = Half Loaded

### 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 MAX | F+.005/-0.015 | A±0.20      | B±0.20 | C±0.38 | D±0.25       | E MAX  | F+0.13/-0.38 |
| 02/04                  | 0.156  | 0.476  | 0.596  | 'N' MOUNTING | 1.902 | 0.325         | 3.96        | 12.09  | 15.14  | 'N' MOUNTING | 8.26   | 11.13        |
| 03/06                  | 0.312  | 0.632  | 0.752  |              |       |               | 7.92        | 16.05  | 19.10  |              |        |              |
| 04/08*                 | 0.468  | 0.788  | 0.908  |              |       |               | 11.89       | 20.02  | 23.06  |              |        |              |
| 06/12                  | 0.780  | 1.100  | 1.220  |              |       |               | 19.81       | 27.94  | 30.99  | 38.94        | 48.31  |              |
| 07/14                  | 0.936  | 1.256  | 1.376  | 1.689        | 2.058 |               | 23.77       | 31.90  | 34.95  | 42.90        | 52.27  |              |
| 08/16                  | 1.092  | 1.412  | 1.532  | 1.845        | 2.214 |               | 27.74       | 35.86  | 38.91  | 46.86        | 56.24  |              |
| 10/20                  | 1.404  | 1.724  | 1.844  | 2.157        | 2.526 |               | 35.66       | 43.79  | 46.84  | 54.79        | 64.16  |              |
| 11/22                  | 1.560  | 1.880  | 2.000  | 2.313        | 2.682 |               | 39.62       | 47.75  | 50.80  | 58.75        | 68.12  |              |
| 12/24                  | 1.716  | 2.036  | 2.156  | 2.469        | 2.838 |               | 43.59       | 51.71  | 54.76  | 62.71        | 72.09  |              |
| 15/30                  | 2.184  | 2.504  | 2.624  | 2.937        | 3.306 |               | 55.47       | 63.60  | 66.65  | 74.60        | 83.97  |              |
| 18/36                  | 2.652  | 2.972  | 3.092  | 3.405        | 3.774 |               | 67.36       | 75.49  | 78.54  | 86.49        | 95.86  |              |
| 22/44                  | 3.276  | 3.596  | 3.716  | 4.029        | 4.398 |               | 83.21       | 91.34  | 94.39  | 102.34       | 111.71 |              |
| 24/48                  | 3.588  | 3.908  | 4.028  | 4.341        | 4.710 |               | 91.14       | 99.26  | 102.31 | 110.26       | 119.63 |              |
| 25/50                  | 3.744  | 4.064  | 4.184  | 4.497        | 4.866 |               | 95.10       | 103.23 | 106.27 | 114.22       | 123.60 |              |
| 28/56                  | 4.212  | 4.532  | 4.652  | 4.965        | 5.334 | 0.438         | 106.98      | 115.11 | 118.16 | 126.11       | 135.48 | 11.13        |
| 36/72                  | 5.460  | 5.780  | 5.900  | 6.213        | 6.582 |               | 138.68      | 146.81 | 149.86 | 157.81       | 167.18 |              |
| 43/86                  | 6.552  | 6.872  | 6.992  | 7.305        | 7.674 | 0.500         | 166.42      | 174.55 | 177.60 | 185.55       | 194.92 | 12.70        |
| 44/88                  | 6.708  | 7.028  | 7.148  | 7.461        | 7.830 |               | 170.38      | 178.51 | 181.56 | 189.51       | 198.88 |              |

\* Consult factory for availability.