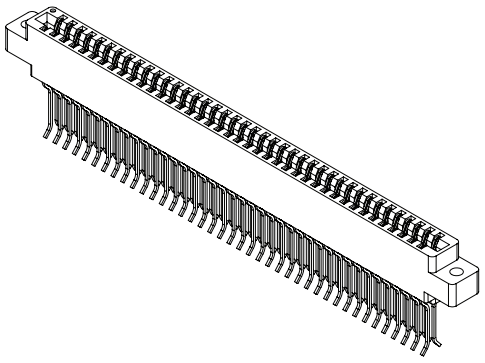
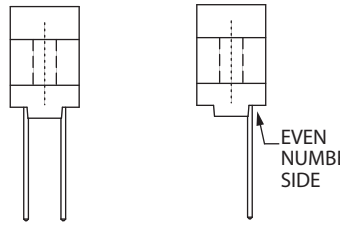
# .125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle

## SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board (See following pages for .093" ± .008" [2.36 mm ± 0.20 mm] and .125" ± .008" [3.18 mm ± 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



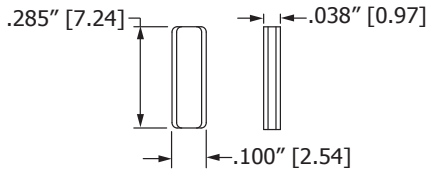
## READOUT




DUAL (D) HALF LOADED (H)

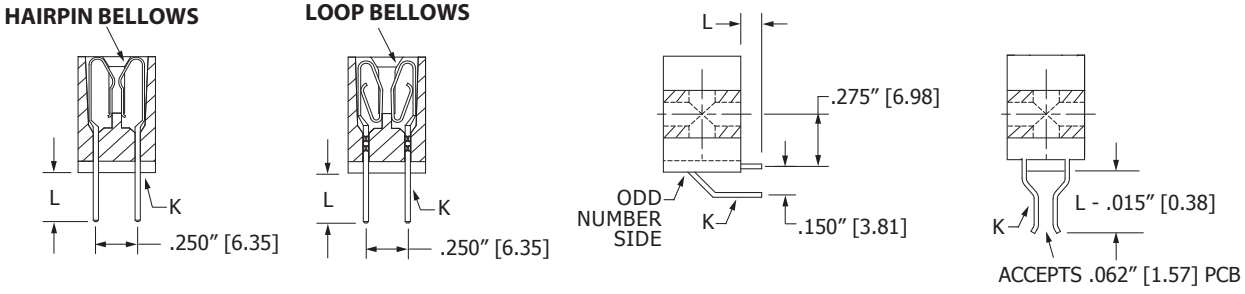
## POLARIZING KEY

**PLC-K1**




**KEY IN BETWEEN CONTACTS (ORDER SEPARATELY)**

## TERMINATION TYPE




**HAIRPIN BELLOWS (CS,CM,CW,CT)**

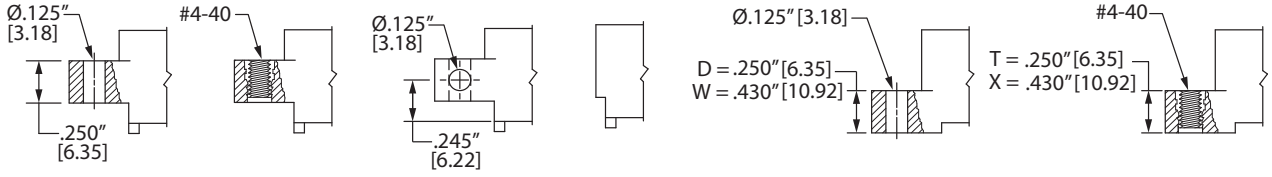
**LOOP BELLOWS (TK,RS,RM,CK)**

**RIGHT ANGLE, DIP SOLDER (CA,CB,CC,TA,TB,TM)**

**CARD EXTENDER REQUIRES -S288 MODIFICATION CODE (CS,CM,CT,RS,CK,TK,RM)**

| HAIRPIN BELLOWS | LOOP BELLOWS | TERMINATION TYPE | POST CROSS SECTION K | POST LENGTH L ± .025"[0.64] | FITS MIN. HOLE SIZE |
|---|---|---|---|---|---|
| | TK, CK | DIP SOLDER | .025" [0.64] ROUND | .190" [4.83] | .033" [0.84] |
| | RS | DIP SOLDER | .025" [0.64] SQUARE | .190" [4.83] | .040" [1.02] |
| CM | RM | WIRE WRAP | .025" [0.64] SQUARE | .560" [14.20] | .040" [1.02] |
| CA | TA | RIGHT ANGLE | .025" [0.64] SQUARE | .100" [2.54] | .043" [1.09] |
| CB | TB | RIGHT ANGLE | .025" [0.64] SQUARE | .180" [4.57] | .043" [1.09] |
| CC | TM | RIGHT ANGLE | .025" [0.64] SQUARE | .250" [6.35] | .043" [1.09] |
| CW | | DIP SOLDER | .015" X .025" [0.38 X 0.64] | .125" [3.18] | .035" [0.89] |
| CT | | DIP SOLDER | .015" X .025" [0.38 X 0.64] | .170" [4.32] | .035" [0.89] |
| CS | | DIP SOLDER | .025" [0.64] SQUARE | .160" [4.06] | .040" [1.02] |

## MOUNTING STYLE




**CLEARANCE HOLE (H)**

**THREADED INSERT (I)**

**SIDE MOUNTING (S)**

**NO MOUNTING EARS (N)**

**FLUSH MOUNTING (D, W)**

**FLUSH MOUNTING WITH THREADED INSERT (T, X)**

# .125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle

## PART NUMBER OPTIONS

E B A 50 D CM H - Sxxx

**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]

**NUMBER OF CONTACT POSITIONS**
See Chart Below

**READOUT (Opposite Page)**
D = Dual
H = Half Loaded

**MODIFICATION CODE** (Consult Factory)
OMIT FOR STANDARD
-S288 = Card Extender Accepts .062" [1.57 mm] PCB

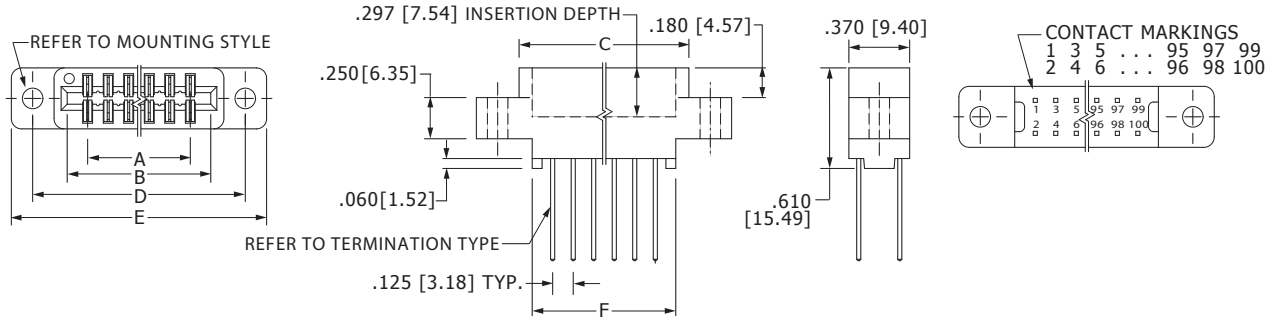
**MOUNTING STYLE (Opposite Page)**
H = Clearance Holes
I = Threaded Inserts
S = Side Mounting
N = No Mounting
W = Flush Mounting
D = Flush Mounting
X = Flush Mounting with Threaded Inserts
T = Flush Mounting with Threaded Inserts

**TERMINATION TYPE (Opposite Page)**

***Hairpin Bellows *****
*****Available with B or C plating and Phosphor Bronze Only***
CS = .025" [0.64 mm] Square Dip Solder
CM = .025" [0.64 mm] Square Wire Wrap
CA, CB, CC = .025" [0.64 mm] Square Right Angle
CW, CT = .015" X .025" [0.38 mm X 0.64 mm] Dip Solder

***Loop Bellows***
RS = .025" [0.64 mm] Square Dip Solder
CK, TK = .025" [0.64 mm] Round Dip Solder
RM = .025" [0.64 mm] Square Wire Wrap
TA, TB, TM = .025" [0.64 mm] Square Right Angle

## DIMENSIONS Dimensions in [ ] are in millimeters, all others are in inches.




Tolerances on non-critical dimensions may very slightly due to shrinkage differential per insulator material; Consult factory.

| POSITIONS/ 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 | 0.875 | 15.88 | 22.23 | 26.29 | 32.89 | 39.50 | 22.23 |
| 10/20 | 1.125 | 1.375 | 1.535 | 1.795 | 2.055 | 1.375 | 28.58 | 34.93 | 38.99 | 45.59 | 52.20 | 34.93 |
| 14/28 | 1.625 | 1.875 | 2.035 | 2.295 | 2.555 | 1.875 | 41.28 | 47.63 | 51.69 | 58.29 | 64.90 | 47.63 |
| 15/30 | 1.750 | 2.000 | 2.160 | 2.420 | 2.680 | 2.000 | 44.45 | 50.80 | 54.86 | 61.47 | 68.07 | 50.80 |
| 18/36 | 2.125 | 2.375 | 2.535 | 2.795 | 3.055 | 2.375 | 53.98 | 60.33 | 64.39 | 70.99 | 77.60 | 60.33 |
| 22/44 | 2.625 | 2.875 | 3.035 | 3.295 | 3.555 | 2.875 | 66.68 | 73.03 | 77.09 | 83.69 | 90.30 | 73.03 |
| 24/48 | 2.875 | 3.125 | 3.285 | 3.545 | 3.805 | 3.125 | 73.03 | 79.38 | 83.44 | 90.04 | 96.65 | 79.38 |
| 25/50* | 3.000 | 3.250 | 3.410 | 3.670 | 3.930 | 3.250 | 76.20 | 82.55 | 86.61 | 93.22 | 99.82 | 82.55 |
| 28/56 | 3.375 | 3.625 | 3.785 | 4.045 | 4.305 | 3.625 | 85.73 | 92.08 | 96.14 | 102.74 | 109.35 | 92.08 |
| 30/60 | 3.625 | 3.875 | 4.035 | 4.295 | 4.555 | 3.875 | 92.08 | 98.43 | 102.49 | 109.09 | 115.70 | 98.43 |
| 31/62 | 3.750 | 4.000 | 4.160 | 4.420 | 4.680 | 4.000 | 95.25 | 101.60 | 105.66 | 112.27 | 118.87 | 101.60 |
| 32/64 | 3.875 | 4.125 | 4.285 | 4.545 | 4.805 | 4.125 | 98.43 | 104.78 | 108.84 | 115.44 | 122.05 | 104.78 |
| 35/70 | 4.250 | 4.500 | 4.660 | 4.920 | 5.180 | 4.500 | 107.95 | 114.30 | 118.36 | 124.97 | 131.57 | 114.30 |
| 36/72 | 4.375 | 4.625 | 4.785 | 5.045 | 5.305 | 4.625 | 111.13 | 117.48 | 121.54 | 128.14 | 134.75 | 117.48 |
| 40/80 | 4.875 | 5.125 | 5.285 | 5.545 | 5.805 | 5.125 | 123.83 | 130.18 | 134.24 | 140.84 | 147.45 | 130.18 |
| 43/86 | 5.250 | 5.500 | 5.660 | 5.920 | 6.180 | 5.500 | 133.35 | 139.70 | 143.76 | 150.37 | 156.97 | 139.70 |
| 44/88 | 5.375 | 5.625 | 5.785 | 6.045 | 6.305 | 5.625 | 136.53 | 142.88 | 146.94 | 153.54 | 160.15 | 142.88 |
| 49/98 | 6.000 | 6.250 | 6.410 | 6.670 | 6.930 | 6.250 | 152.40 | 158.75 | 162.81 | 169.42 | 176.02 | 158.75 |
| 50/100 | 6.125 | 6.375 | 6.535 | 6.795 | 7.055 | 6.375 | 155.58 | 161.93 | 165.99 | 172.59 | 179.20 | 161.93 |

* Consult factory for availability.