



**.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height,  
Dip Solder/Eyelet/Right Angle for .062" [1.57 mm] or .031" [0.79 mm] Mating PCB**

**SPECIFICATIONS**

- Accommodates .062"  $\pm$  .008" [1.57 mm  $\pm$  0.20 mm] or .031"  $\pm$  .006" [0.79 mm  $\pm$  0.15 mm] mating PCB (for .093" [2.36 mm] PC board see following pages)
- PBT, PPS, PA9T or PEEK 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 KEYS (For .062" Mating PCB Only)**

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

**CONSULT FACTORY FOR MOLDED-IN KEY****TERMINATION TYPE**

| FULL BELLOW           | TAIL LENGTH                                                                                   | ROW SPACING                                                  | MIN HOLE SIZE                                                    | FULL BELLOW                                                                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
|                       | RIGHT ANGLE<br>.125" [3.18] (RA)                                                              | .156" [3.96]                                                 | Ø.043" [1.09]                                                    | STRAIGHT<br>EYELET ACCEPTS 3-#26 AWG<br><br>.275" [6.98]                                                                 |
|                       | STRAIGHT<br>.200" [5.08] (RT)<br>.440" [11.19] (RY)<br>.185" [4.70] (RX)<br>.165" [4.19] (RJ) | .140" [3.56]<br>.140" [3.56]<br>.200" [5.08]<br>.250" [6.35] | Ø.043" [1.09]<br>Ø.043" [1.09]<br>Ø.043" [1.09]<br>Ø.043" [1.09] | CARD EXTENDER<br>ACCEPTS .062" [1.57] PCB<br><br>TAIL LENGTH<br>EYELET (RE)<br>MODIFICATION CODE<br>-S13<br>-S13<br>-S13 |
|                       | CRIMP TO CENTER (SX)<br>.160" [4.06]                                                          |                                                              | Ø.043" [1.09]                                                    | SURFACE MOUNT (RT)<br><br>MODIFICATION CODE<br>-S924                                                                     |
| <b>CANTILEVER</b><br> | TAIL LENGTH<br>.200" [5.08] (ET)<br>.440" [11.19] (EY)                                        | ROW SPACING<br>.140" [3.56]<br>.140" [3.56]                  | MIN HOLE SIZE<br>Ø.040" [1.02]<br>Ø.040" [1.02]                  | RIGHT ANGLE SURFACE MOUNT (RA)<br><br>MODIFICATION CODE<br>-S2106                                                        |

**MOUNTING STYLE****CLEARANCE  
HOLE (H)****THREADED  
INSERT (I)****FLOATING  
BOBBIN (F)****NO MOUNTING  
EARS (N)****SIDE MOUNTING  
(S)****OPEN CARDSLOT  
(B)**



### .100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle for .062" [1.57 mm] or .031" [0.79 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
- \*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

- C = .100" [2.54 mm]

E B C 43 D RE H - Sxxx

##### MODIFICATIONS (Consult Factory)

OMIT FOR STANDARD

- S13 = Card Extender Accepts .062" [1.57 mm] PCB  
(RE, RT, RY Terminations Only)
- S734 = .031" ± .006" [0.79 mm ± 0.15 mm] Mating PCB
- S924 = Surface Mount
- S2106 = Right Angle Surface Mount

##### MOUNTING STYLE (Opposite Page)

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

##### TERMINATION TYPE (Opposite Page)

- RA = Right Angle
- RE = Eyelet (Standard)
- TE = Eyelet (Overall Plated Only)
- \*\*ET, RT = .140" [3.56 mm] X .200" [5.08 mm] Dip Solder
- \*\*EY, RY = .140" [3.56 mm] X .440" [11.19 mm] Dip Solder
- RX = .200" [5.08 mm] X .185" [4.70 mm] Dip Solder
- RJ = .250" [6.35 mm] X .165" [4.19 mm] Dip Solder
- SX = .110" [2.79 mm] Centered Dip Solder

##### READOUT (Opposite Page)

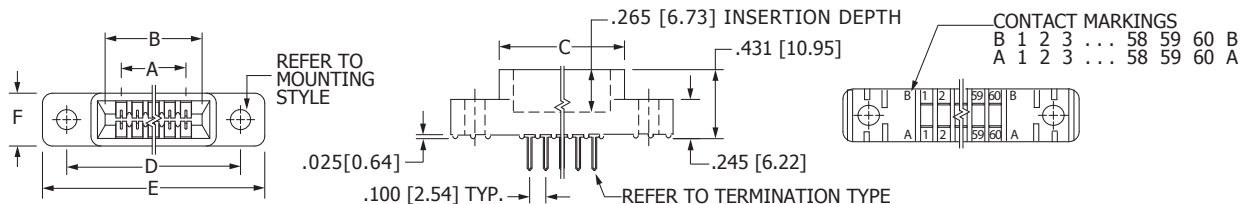
- D = Dual
- H = Half Loaded

##### NUMBER OF CONTACT POSITIONS

See Chart Below

\*\*ET & EY Only available in 'B' & 'C' Plating code

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



Female Card Edge

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+.005/- .015 | A±.020      | B±.020 | C±.038 | D±.025 | E±.051 | F+.013/-0.38 |
| 04/08*                 | 0.300  | 0.500  | 0.675  | 0.975  | 1.275  | 0.330         | 7.62        | 12.70  | 17.15  | 24.77  | 32.39  | 8.38         |
| 05/10                  | 0.400  | 0.600  | 0.775  | 1.075  | 1.375  |               | 10.16       | 15.24  | 19.69  | 27.31  | 34.93  |              |
| 06/12                  | 0.500  | 0.700  | 0.875  | 1.175  | 1.475  |               | 12.70       | 17.78  | 22.23  | 29.85  | 37.47  |              |
| 07/14                  | 0.600  | 0.800  | 0.975  | 1.275  | 1.575  |               | 15.24       | 20.32  | 24.77  | 32.39  | 40.01  |              |
| 08/16                  | 0.700  | 0.900  | 1.075  | 1.375  | 1.675  |               | 17.78       | 22.86  | 27.31  | 34.93  | 42.55  |              |
| 10/20                  | 0.900  | 1.100  | 1.275  | 1.575  | 1.875  |               | 22.86       | 27.94  | 32.39  | 40.01  | 47.63  |              |
| 12/24                  | 1.100  | 1.300  | 1.475  | 1.775  | 2.075  |               | 27.94       | 33.02  | 37.47  | 45.09  | 52.71  |              |
| 13/26                  | 1.200  | 1.400  | 1.575  | 1.875  | 2.175  |               | 30.48       | 35.56  | 40.01  | 47.63  | 55.25  |              |
| 15/30                  | 1.400  | 1.600  | 1.775  | 2.075  | 2.375  |               | 35.56       | 40.64  | 45.09  | 52.71  | 60.33  |              |
| 17/34                  | 1.600  | 1.800  | 1.975  | 2.275  | 2.575  |               | 40.64       | 45.72  | 50.17  | 57.79  | 65.41  |              |
| 18/36                  | 1.700  | 1.900  | 2.075  | 2.375  | 2.675  |               | 43.18       | 48.26  | 52.71  | 60.33  | 67.95  |              |
| 19/38                  | 1.800  | 2.000  | 2.175  | 2.475  | 2.775  |               | 45.72       | 50.80  | 55.25  | 62.87  | 70.49  |              |
| 20/40                  | 1.900  | 2.100  | 2.275  | 2.575  | 2.875  |               | 48.26       | 53.34  | 57.79  | 65.41  | 73.03  |              |
| 22/44                  | 2.100  | 2.300  | 2.475  | 2.775  | 3.075  |               | 53.34       | 58.42  | 62.87  | 70.49  | 78.11  |              |
| 23/46*                 | 2.200  | 2.400  | 2.575  | 2.875  | 3.175  |               | 55.88       | 60.96  | 65.41  | 73.03  | 80.65  |              |
| 25/50                  | 2.400  | 2.600  | 2.775  | 3.075  | 3.375  |               | 60.96       | 66.04  | 70.49  | 78.11  | 85.73  |              |
| 26/52                  | 2.500  | 2.700  | 2.875  | 3.175  | 3.475  |               | 63.50       | 68.58  | 73.03  | 80.65  | 88.27  |              |
| 28/56                  | 2.700  | 2.900  | 3.075  | 3.375  | 3.675  |               | 68.58       | 73.66  | 78.11  | 85.73  | 93.35  |              |
| 30/60                  | 2.900  | 3.100  | 3.275  | 3.575  | 3.875  |               | 73.66       | 78.74  | 83.19  | 90.81  | 98.43  |              |
| 31/62                  | 3.000  | 3.200  | 3.375  | 3.675  | 3.975  |               | 76.20       | 81.28  | 85.73  | 93.35  | 100.97 |              |
| 35/70                  | 3.400  | 3.600  | 3.775  | 4.075  | 4.375  | 0.400         | 86.36       | 91.44  | 95.89  | 103.51 | 111.13 | 10.16        |
| 36/72                  | 3.500  | 3.700  | 3.875  | 4.175  | 4.475  |               | 88.90       | 93.98  | 98.43  | 106.05 | 113.67 |              |
| 40/80                  | 3.900  | 4.100  | 4.275  | 4.575  | 4.875  |               | 99.06       | 104.14 | 108.59 | 116.21 | 123.83 |              |
| 43/86                  | 4.200  | 4.400  | 4.575  | 4.875  | 5.175  |               | 106.68      | 111.76 | 116.21 | 123.83 | 131.45 |              |
| 44/88                  | 4.300  | 4.500  | 4.675  | 4.975  | 5.275  |               | 109.22      | 114.30 | 118.75 | 126.37 | 133.99 |              |
| 49/98                  | 4.800  | 5.000  | 5.175  | 5.475  | 5.775  |               | 121.92      | 127.00 | 131.45 | 139.07 | 146.69 |              |
| 50/100                 | 4.900  | 5.100  | 5.275  | 5.575  | 5.875  |               | 124.46      | 129.54 | 133.99 | 141.61 | 149.23 |              |
| 52/104*                | 5.100  | 5.300  | 5.475  | 5.775  | 6.075  |               | 129.54      | 134.62 | 139.07 | 146.69 | 154.31 |              |
| 60/120                 | 5.900  | 6.100  | 6.275  | 6.575  | 6.875  |               | 149.86      | 154.94 | 159.39 | 167.01 | 174.63 |              |
| 65/130                 | 6.400  | 6.600  | 6.775  | 7.075  | 7.375  |               | 162.56      | 167.64 | 172.09 | 179.71 | 187.33 |              |

\* Consult factory for availability.