



## .100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle/Card Extender

### SPECIFICATIONS

- Accommodates .062"  $\pm$  .008" [1.57 mm  $\pm$  0.20 mm] mating PCB  
(For .093" [2.36 mm] or .125" [3.18 mm] mating PCB see following pages)
- 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



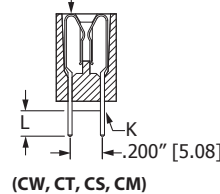
### POLARIZING KEY



### TERMINATION TYPE

| HAIRPIN BELLOWS | TERMINATION TYPE | POST CROSS SECTION K        | POST LENGTH L<br>.025" [0.64] | FITS MIN. HOLE SIZE |
|-----------------|------------------|-----------------------------|-------------------------------|---------------------|
| 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]        |
| CM              | WIRE WRAP        | .025" [0.64] SQUARE         | .560" [14.20]                 | .040" [1.02]        |
| CA              | RIGHT ANGLE      | .025" [0.64] SQUARE         | .100" [2.54]                  | .043" [1.09]        |
| CB              | RIGHT ANGLE      | .025" [0.64] SQUARE         | .180" [4.57]                  | .043" [1.09]        |
| CC              | RIGHT ANGLE      | .025" [0.64] SQUARE         | .250" [6.35]                  | .043" [1.09]        |

#### HAIRPIN BELLOWS

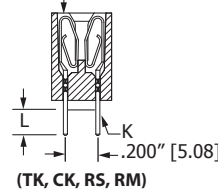


#### RIGHT ANGLE



| LOOP BELLOWS | TERMINATION TYPE | POST CROSS SECTION K | POST LENGTH L<br>.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]        |
| 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]        |

#### LOOP BELLOWS

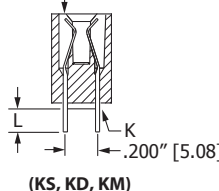


#### HAIRPIN or LOOP CARD EXTENDER

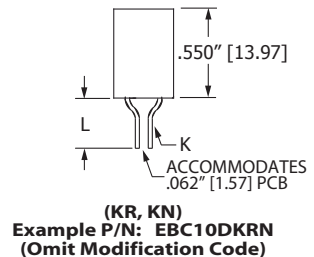


| CANTILEVER | TERMINATION TYPE | POST CROSS SECTION K | POST LENGTH L<br>.025" [0.64] | FITS MIN. HOLE SIZE |
|------------|------------------|----------------------|-------------------------------|---------------------|
| KS         | DIP SOLDER       | .025" [0.64] SQUARE  | .190" [4.83]                  | .040" [1.02]        |
| KD         | DIP SOLDER       | .025" [0.64] SQUARE  | .160" [4.06]                  | .043" [1.09]        |
| KM         | WIRE WRAP        | .025" [0.64] SQUARE  | .560" [14.20]                 | .040" [1.02]        |
| *KA        | RIGHT ANGLE      | .025" [0.64] SQUARE  | .100" [2.54]                  | .043" [1.09]        |
| *KE        | RIGHT ANGLE      | .025" [0.64] SQUARE  | .180" [4.57]                  | .043" [1.09]        |
| *KU        | RIGHT ANGLE      | .025" [0.64] SQUARE  | .250" [6.35]                  | .043" [1.09]        |
| *KJ        | RIGHT ANGLE      | .025" [0.64] SQUARE  | .500" [12.70]                 | .043" [1.09]        |
| *KR        | CARD EXTENDER    | .025" [0.64] SQUARE  | .235" [5.97]                  | N/A                 |
| *KN        | CARD EXTENDER    | .025" [0.64] SQUARE  | .605" [15.37]                 | N/A                 |

#### CANTILEVER



#### CANTILEVER CARD EXTENDER



\* KA, KE, KU, KJ, KR, KN have no standoffs, unless requested.

### MOUNTING STYLE





### .100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle/Card Extender

#### 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

C = .100" [2.54 mm]

##### NUMBER OF CONTACT POSITIONS

See Chart Below

##### READOUT (Opposite Page)

D = Dual  
H = Half Loaded

E B C 70 D CM H - Sxxx

##### MODIFICATION CODE (Consult Factory)

OMIT FOR STANDARD

-S189 = .200" [5.08 mm] Row to Row on Right Angle

-S288\* = Card Extender Accepts .062" [1.57 mm] PCB

\* Not Required on KR or KN Terminations

##### MOUNTING STYLE (Opposite Page)

H = Clearance Holes  
I = Threaded Inserts  
S = Side Mounting  
N = No Mounting  
D, W = Flush Mounting  
T, X = 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

##### Cantilever Bellows - Available in Y, B, or C plating Only

KS, KD = .025" [0.64 mm] Square Dip Solder

KM = .025" [0.64 mm] Square Wire Wrap

KA, KE, KU, KJ = .025" [0.64 mm] Square Right Angle

KR, KN = .025" [0.64 mm] Square Card Extender

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

