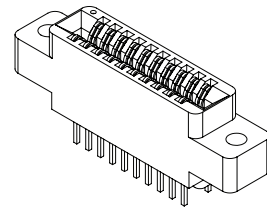
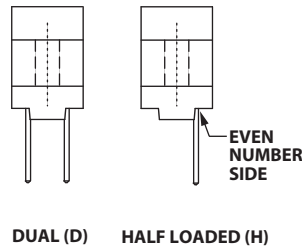
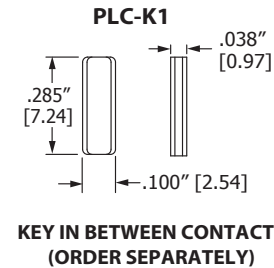


**.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height,
Dip Solder/Wire Wrap/Right Angle/Card Extender****SPECIFICATIONS**

- 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

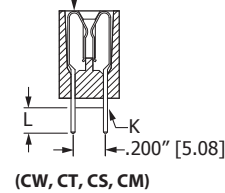
**READOUT****POLARIZING KEY****TERMINATION TYPE**

HAIRPIN BELLOWS	TERMINATION TYPE	POST CROSS SECTION K	POST LENGTH L .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]

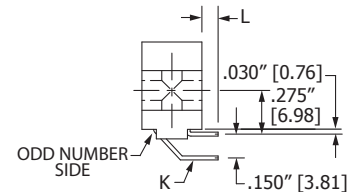
LOOP BELLOWS	TERMINATION TYPE	POST CROSS SECTION K	POST LENGTH L .025" [0.64]	FITS MIN. HOLE SIZE
TK,CK	DIP SOLDER	.025" [0.64] ROUND	.190" [4.83]	.033" [0.84]
RS	DIP SOLDER	.025" [0.64] SQUARE	.190" [4.83]	.040" [1.02]
RM	WIRE WRAP	.025" [0.64] SQUARE	.560" [14.20]	.040" [1.02]
TA	RIGHT ANGLE	.025" [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]

CANTILEVER	TERMINATION TYPE	POST CROSS SECTION K	POST LENGTH L .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

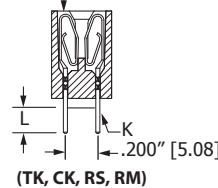
* KA, KE, KU, KJ, KR, KN have no standoffs, unless requested.

HAIRPIN BELLOWS

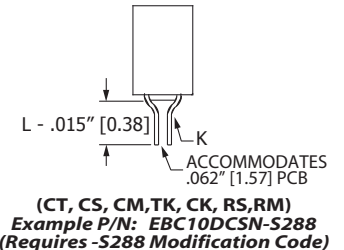
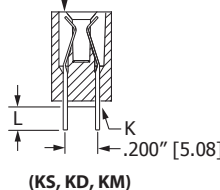
(CW, CT, CS, CM)

RIGHT ANGLE

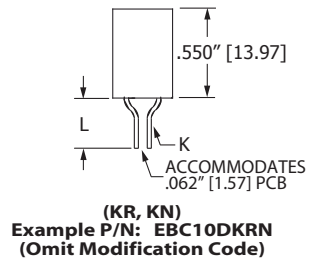
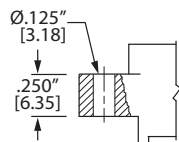
(CA, CB, CC, TA, TB, TM, KA, KE, KU, KJ)

LOOP BELLOWS

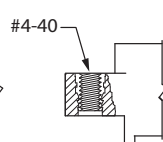
(TK, CK, RS, RM)

HAIRPIN or LOOP CARD EXTENDER**CANTILEVER**

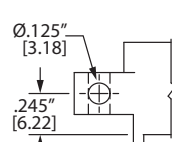
(KS, KD, KM)

CANTILEVER CARD EXTENDER**MOUNTING STYLE**

CLEARANCE HOLE (H)



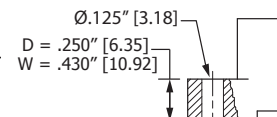
THREADED INSERT (I)



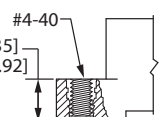
SIDE MOUNTING (S)



NO MOUNTING EARS (N)



FLUSH MOUNTING (D, W)



FLUSH MOUNTING WITH THREADED INSERT (T, X)



.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

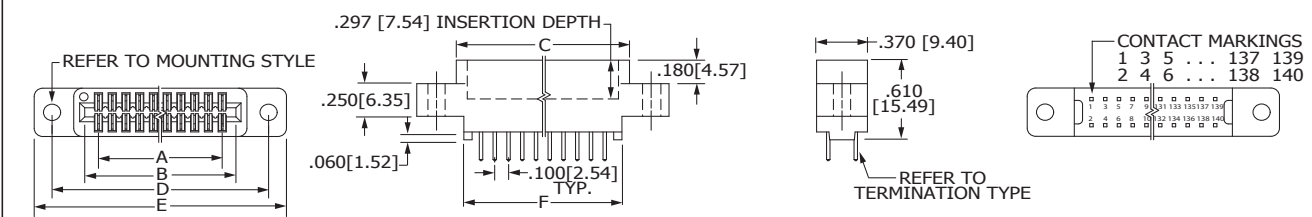
KS, KD = .025" [0.64 mm] Square Dip Solder

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.



Tolerances on non-critical dimensions may vary 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	0.500	0.700	0.860	1.175	1.435	0.750	12.70	17.78	21.84	29.85	36.45	19.05
07/14	0.600	0.800	0.960	1.275	1.535	0.850	15.24	20.32	24.38	32.39	38.99	21.59
08/16	0.700	0.900	1.060	1.375	1.635	0.950	17.78	22.86	26.92	34.93	41.53	24.13
10/20	0.900	1.100	1.260	1.575	1.835	1.150	22.86	27.94	32.00	40.01	46.61	29.21
12/24	1.100	1.300	1.460	1.775	2.035	1.350	27.94	33.02	37.08	45.09	51.69	34.29
13/26	1.200	1.400	1.560	1.875	2.135	1.450	30.48	35.56	39.62	47.63	54.23	36.83
15/30	1.400	1.600	1.760	2.075	2.335	1.650	35.56	40.64	44.70	52.71	59.31	41.91
17/34	1.600	1.800	1.960	2.275	2.535	1.850	40.64	45.72	49.78	57.79	64.39	46.99
18/36	1.700	1.900	2.060	2.375	2.635	1.950	43.18	48.26	52.32	60.33	66.93	49.53
20/40	1.900	2.100	2.260	2.575	2.835	2.150	48.26	53.34	57.40	65.41	72.01	54.61
22/44	2.100	2.300	2.460	2.775	3.035	2.350	53.34	58.42	62.48	70.49	77.09	59.69
24/48	2.300	2.500	2.660	2.975	3.235	2.550	58.42	63.50	67.56	75.57	82.17	64.77
25/50	2.400	2.600	2.760	3.075	3.335	2.650	60.96	66.04	70.10	78.11	84.71	67.31
28/56	2.700	2.900	3.060	3.375	3.635	2.950	68.58	73.66	77.72	85.73	92.33	74.93
30/60	2.900	3.100	3.260	3.575	3.835	3.150	73.66	78.74	82.80	90.81	97.41	80.01
31/62	3.000	3.200	3.360	3.675	3.935	3.250	76.20	81.28	85.34	93.35	99.95	82.55
35/70	3.400	3.600	3.760	4.075	4.335	3.650	86.36	91.44	95.50	103.51	110.11	92.71
36/72	3.500	3.700	3.860	4.175	4.435	3.750	88.90	93.98	98.04	106.05	112.65	95.25
40/80	3.900	4.100	4.260	4.575	4.835	4.150	99.06	104.14	108.20	116.21	122.81	105.41
43/86	4.200	4.400	4.560	4.875	5.135	4.450	106.68	111.76	115.82	123.83	130.43	113.03
44/88	4.300	4.500	4.660	4.975	5.235	4.550	109.22	114.30	118.36	126.37	132.97	115.57
49/98*	4.800	5.000	5.160	5.475	5.735	5.050	121.92	127.00	131.06	139.07	145.67	128.27
50/100	4.900	5.100	5.260	5.575	5.835	5.150	124.46	129.54	133.60	141.61	148.21	130.81
55/110	5.400	5.600	5.760	6.075	6.335	5.650	137.16	142.24	146.30	154.31	160.91	143.51
60/120	5.900	6.100	6.260	6.575	6.835	6.150	149.86	154.94	159.00	167.01	173.61	156.21
61/122	6.000	6.200	6.360	6.675	6.935	6.250	152.40	157.48	161.54	169.55	176.15	158.75
65/130	6.400	6.600	6.760	7.075	7.335	6.650	162.56	167.64	171.70	179.71	186.31	168.91
70/140	6.900	7.100	7.260	7.575	7.835	7.150	175.26	180.34	184.40	192.41	199.01	181.61
80/160*	7.900	8.100	8.260	8.575	8.835	8.150	200.66	205.74	209.80	217.81	224.41	207.01
90/180*	8.900	9.100	9.260	9.575	9.835	9.150	226.06	231.14	235.20	243.21	249.81	232.41
100/200*	9.900	10.100	10.260	10.575	10.835	10.150	251.46	256.54	260.60	268.61	275.21	257.81

* Consult factory for availability.