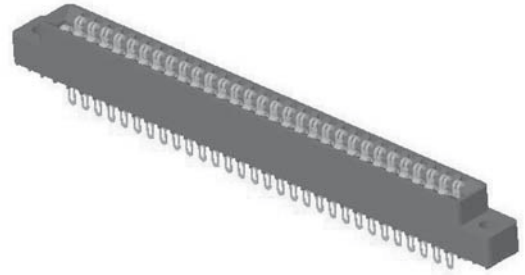


Sullins Edgecards

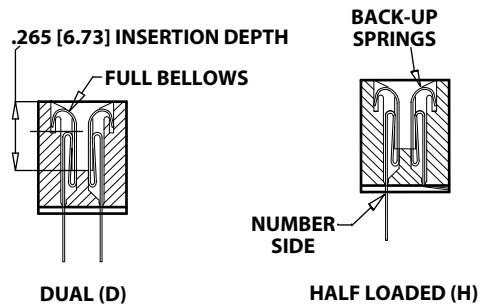
.125" [3.18mm] Contact Centers, .431" Insulator Height
Dip Solder/Eyelet/Right Angle for .062" [1.57] or .031" [0.79] Mating PCB

SPECIFICATIONS

- Accommodates .062" \pm .008" [1.57 \pm .20] PC board
(Consult factory for .031" \pm .008" [.79 \pm .20],
.093" \pm .008" [2.36 \pm .20] and .125" \pm .008"
[3.18 \pm .20] boards)
- Molded-in key available
- 3 amp current rating per contact
- 30 milli ohm maximum at rated current

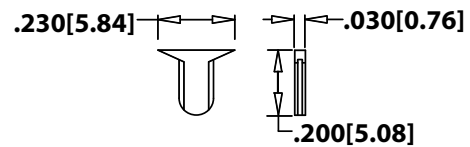


READOUT



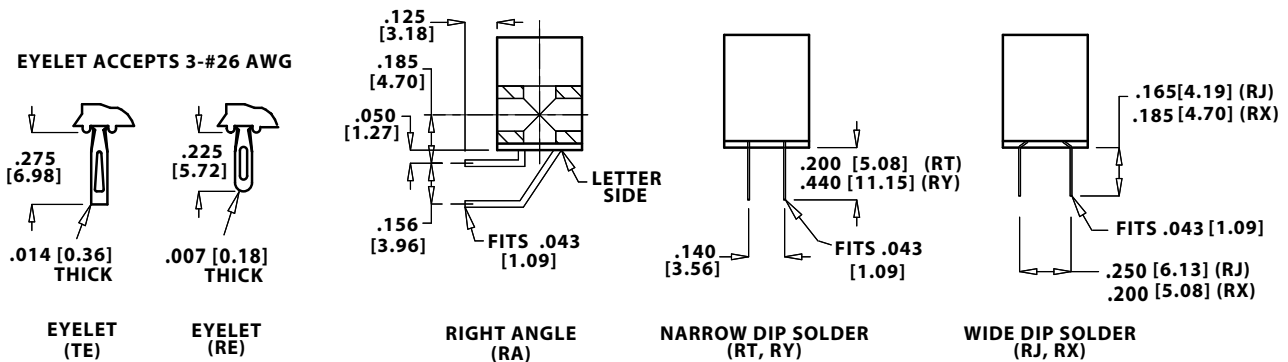
POLARIZING KEY

PLA-K1
KEY IN BETWEEN CONTACTS
(ORDER SEPARATELY)

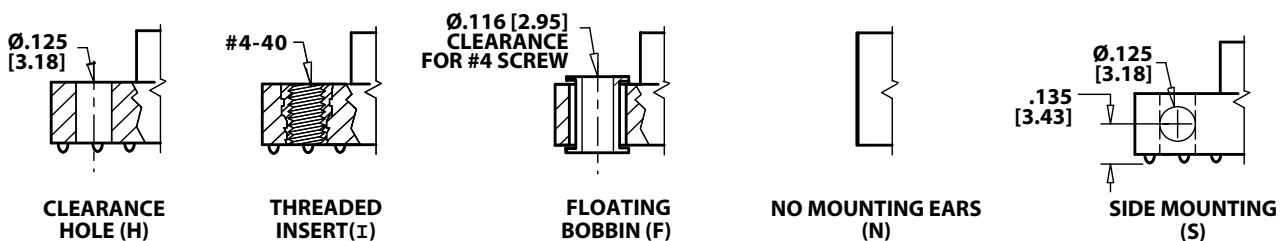


CONSULT FACTORY FOR MOLDED-IN KEY

TERMINATION TYPE



MOUNTING STYLE





.125" [3.18mm] Contact Centers, .431" Insulator Height
Dip Solder/Eyelet/Right Angle for .062" [1.57] or .031" [0.79] Mating PCB

PART NUMBER CODING

E B A 43 D R E 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
- *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.

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" [3.18mm]

MODIFICATION CODE (Consult Factory)
OMIT FOR STANDARD

- S13 = Card Extender Accepts .062" [1.57] PCB (RT, RE, RY Terminations Only)
- S734 = .031" ± .008" [.79 ± .20] Thick PCB

MOUNTING STYLE (Opposite Page)

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

TERMINATION TYPE (Opposite Page)

- RA = Right Angle
- RE = Eyelet (Standard)
- TE = Eyelet (Overall Plated Only)
- RT = .140" [3.56mm] x .200" [5.08mm] Dip Solder
- RY = .140" [3.56mm] x .440" [11.18mm] Dip Solder
- RX = .200" [5.08mm] x .185" [4.70mm] Dip Solder
- RJ = .250" [6.35mm] x .165" [4.19mm] Dip Solder

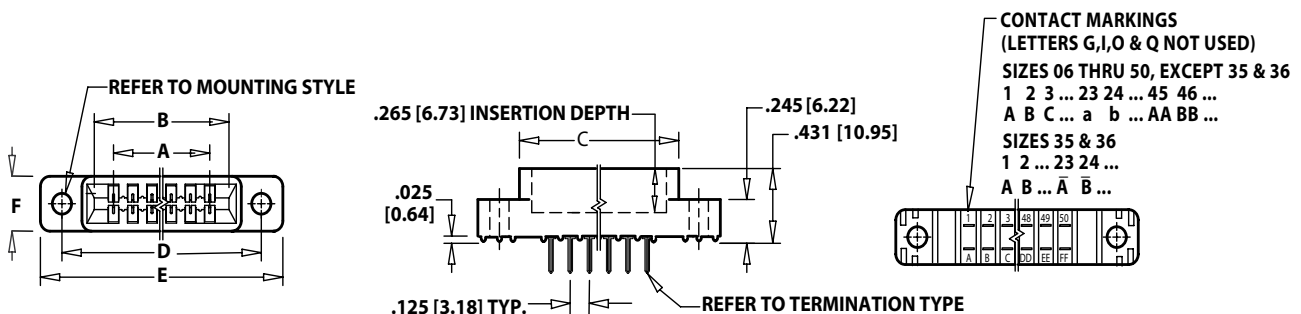
READOUT (Opposite Page)

- D = Dual
- H = Half Loaded

NUMBER OF CONTACT POSITIONS
See Chart Below

DIMENSIONS

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



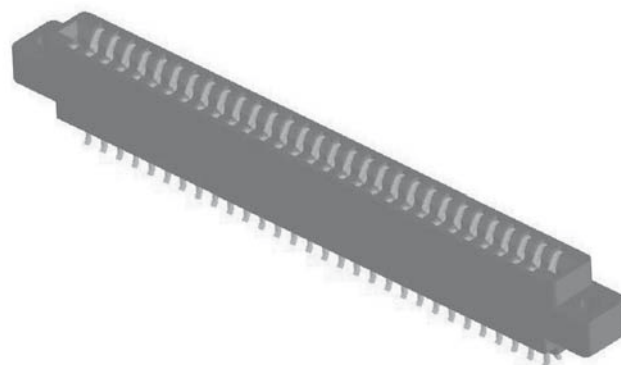
Tolerances with PPS Insulator Material may vary slightly due to shrinkage differential; Consult Factory.

Positions/ Contacts	INCHES						[MILLIMETERS]					
	A±.008	B±.008	C±.015	D±.010	E±.020	F±.005	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.13
06/12	0.625	0.875	1.035	1.295	1.575	0.330	15.88	22.23	26.29	32.89	40.01	8.38
10/20	1.125	1.375	1.535	1.795	2.075		28.58	34.93	38.99	45.59	52.71	
14/28	1.625	1.875	2.035	2.295	2.575		41.28	47.63	51.69	58.29	65.41	
15/30	1.750	2.000	2.160	2.420	2.700		44.45	50.80	54.86	61.47	68.58	
18/36	2.125	2.375	2.535	2.795	3.075		53.98	60.33	64.39	70.99	78.11	
22/44	2.625	2.875	3.035	3.295	3.575		66.68	73.03	77.09	83.69	90.81	
28/56	3.375	3.625	3.785	4.045	4.325		85.73	92.08	96.14	102.74	109.86	
30/60	3.625	3.875	4.035	4.295	4.575		92.08	98.43	102.49	109.09	116.21	
31/62	3.750	4.000	4.160	4.420	4.700		95.25	101.60	105.66	112.27	119.38	
35/70	4.250	4.500	4.660	4.920	5.200		107.95	114.30	118.36	124.97	132.08	
36/72	4.375	4.625	4.785	5.045	5.325	0.370	111.13	117.48	121.54	128.14	135.26	9.40
37/74	4.500	4.750	4.910	5.170	5.450		114.30	120.65	124.71	131.32	138.43	
40/80	4.875	5.125	5.285	5.545	5.825		123.83	130.18	134.24	140.84	147.96	
43/86	5.250	5.500	5.660	5.920	6.200		133.35	139.70	143.76	150.37	157.48	
44/88	5.375	5.625	5.785	6.045	6.325		136.53	142.88	146.94	153.54	160.66	
49/98	6.000	6.250	6.410	6.670	6.950		152.40	158.75	162.81	169.42	176.53	
50/100	6.125	6.375	6.535	6.795	7.075		155.58	161.93	165.99	172.59	179.71	

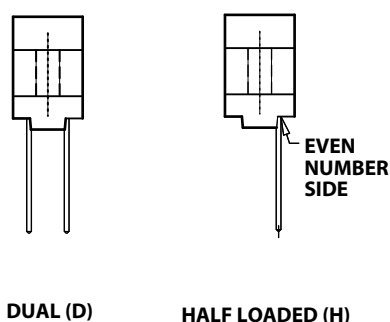
.125" [3.18mm] Contact Centers, .610" Insulator Height
Dip Solder/Wire Wrap/Right Angle

SPECIFICATIONS

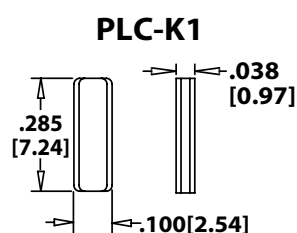
- Accommodates .062" \pm .008" [1.57 \pm .20] PC board (Consult factory for .031" \pm .008" [.79 \pm .20], See page 52/53 for .093" \pm .008" [2.36 \pm .20] and .125" \pm .008" [3.18 \pm .20] PC boards)
- PBT, PPS or PA9T insulator
- Molded-in key available
- 3 amp current rating per contact
- 30 milli ohm maximum at rated current
- Consult Factory for (MBB) Contacts



READOUT



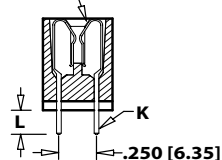
POLARIZING KEY



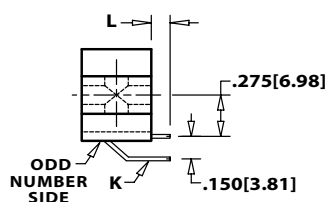
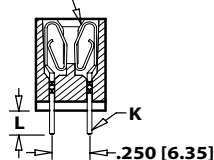
**KEY IN BETWEEN CONTACTS
(ORDER SEPARATELY)**

TERMINATION TYPE

HAIRPIN BELLOWS



LOOP BELLOWS



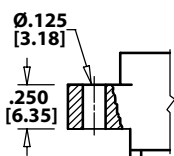
**HAIRPIN BELLOWS
(CK,CS,CM,CW,CT)**

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

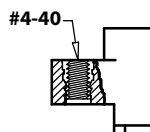
**RIGHT ANGLE, DIP SOLDER
(CA,CB,CC,TA,TB,TM)**

HAIRPIN BELLOWS	LOOP	TERMINATION TYPE	POST CROSS SECTION K	POST LENGTH L .025 [.64]	FITS MIN. HOLE SIZE
CM	TK, CK	DIP SOLDER	.026 [.66] ROUND	.190 [4.83]	.030 [0.76]
	RS	DIP SOLDER	.025 [.64] SQUARE	.190 [4.83]	.040 [1.02]
	RM	WIRE WRAP	.025 [.64] SQUARE	.560 [14.20]	.040 [1.02]
	TA	RIGHT ANGLE	.025 [.64] SQUARE	.100 [2.54]	.043 [1.09]
	TB	RIGHT ANGLE	.025 [.64] SQUARE	.180 [4.57]	.043 [1.09]
CA	TA	RIGHT ANGLE	.025 [.64] SQUARE	.100 [2.54]	.043 [1.09]
CB	TB	RIGHT ANGLE	.025 [.64] SQUARE	.180 [4.57]	.043 [1.09]
CC	TM	RIGHT ANGLE	.025 [.64] SQUARE	.250 [6.35]	.043 [1.09]
CW		DIP SOLDER	.015 X .025 [.38 X .64]	.125 [3.18]	.035 [0.76]
CT		DIP SOLDER	.015 X .025 [.38 X .64]	.170 [4.32]	.035 [0.76]
CS		DIP SOLDER	.025 [.64] SQUARE	.160 [4.06]	.040 [1.02]

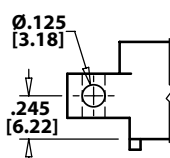
MOUNTING STYLE



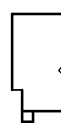
CLEARANCE HOLE (H)



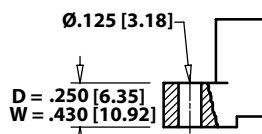
THREADED INSERT (I)



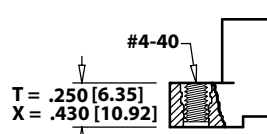
SIDE MOUNTING (S)



NO MOUNTING EARS (N)



FLUSH MOUNTING (D, W)



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

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

PART NUMBER CODING

E B A 50 D CM H - Sxxx

MATERIALS (Insulator/Contact)

- E = PBT/Phosphor Bronze (Standard)
- R = PPS/Phosphor Bronze
- G = PA9T/Phosphor Bronze
- A = PPS/Beryllium Copper
- J = PA9T/Beryllium Copper
- (Consult Factory for Other Materials)

CONTACT FINISH - RoHS Compliant

All platings are Lead Free and have .000050" Nickel underplate

Contact Surface

- B = .000010" Gold
- C = .000030" Gold
- G = .000010" Gold
- Y = .000030" Gold

Termination

- .000100" Pure Tin, Matte
- .000100" Pure Tin, Matte
- .000005" Gold
- .000005" Gold

Contact Surface

- S = .000010" Gold
- M = .000030" Gold
- E = .000100" Pure Tin, Matte

Overall Plating

- .000010" Gold
- .000010" Gold
- .000100" Pure Tin, Matte

CONTACT CENTERS

- A = .125" [3.18mm]

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] 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 **

- CS = .025" [0.64mm] Square Dip Solder
- CM = .025" [0.64mm] Square Wire Wrap
- CA, CB, CC = .025" [0.64mm] Square Right Angle
- CV, CT = .015" x .025" Dip Solder

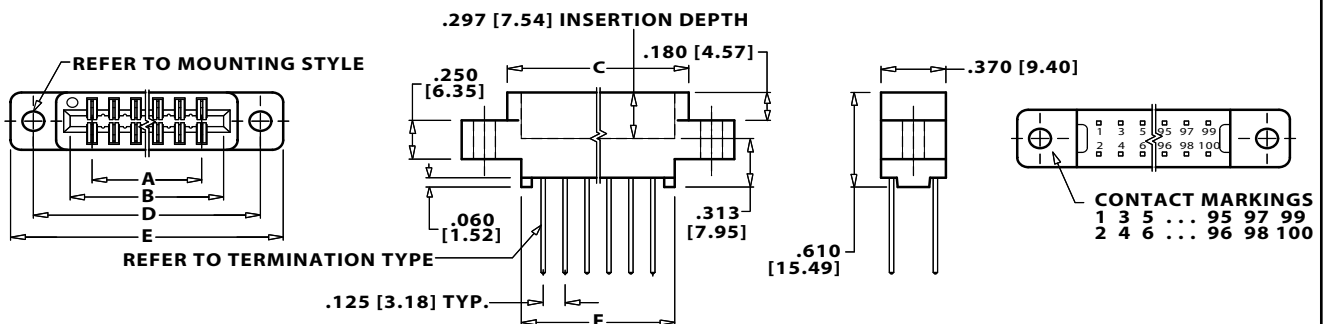
Loop Bellows

- RS = .025" [0.64mm] Square Dip Solder
- CK, TK = .026" [0.66mm] Round Dip Solder
- RM = .025" [0.64mm] Square Wire Wrap
- TA, TB, TM = .025" [0.64mm] Square Right Angle

**Available with B or C Plating and Phosphor Bronze Only

DIMENSIONS

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



Tolerances with PPS Insulator Material may vary slightly due to shrinkage differential; 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

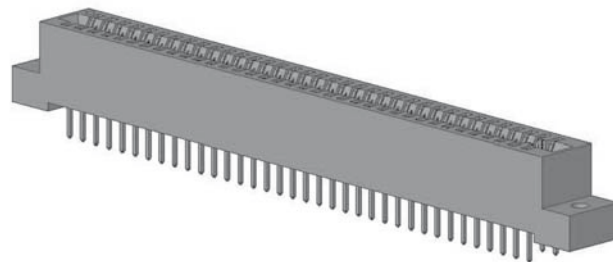
* Consult factory for availability.



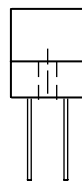
**.125" [3.18mm] Contact Centers, .610" Insulator Height,
Dip Solder/Wire Wrap/Right Angle for .093" [2.36] or .125" [3.18] Mating PCB**

SPECIFICATIONS

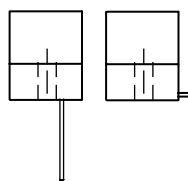
- Accommodates .093" \pm .008" [2.36 \pm .20] or .125" \pm .008" [3.18 \pm .20] mating PCB
- PBT, PPS or PA9T insulator
- Molded-in key available
- 3 amp current rating per contact
- 30 milli ohm maximum at rated current



READOUT

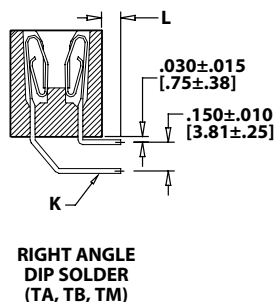
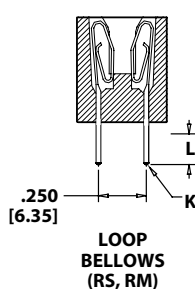


DUAL (D)



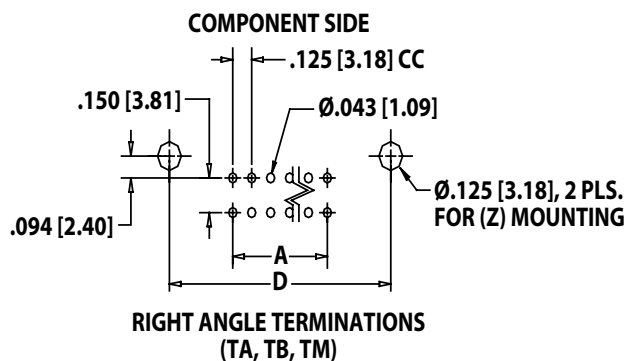
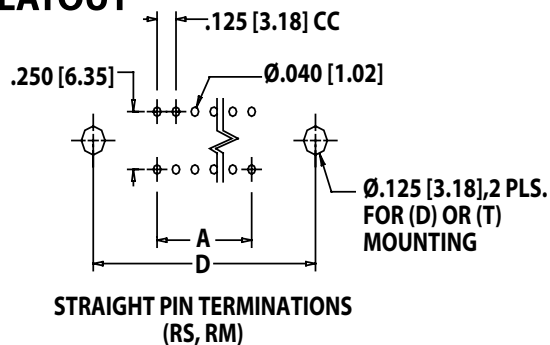
HALF LOADED (H)

TERMINATION TYPE



TERMINATION TYPE	POST CROSS SECTION (K)	POST LENGTH L \pm .025 [0.64]	FITS MIN. HOLE SIZE
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]

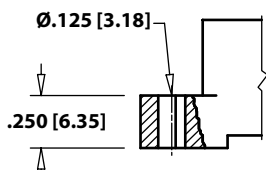
PCB LAYOUT



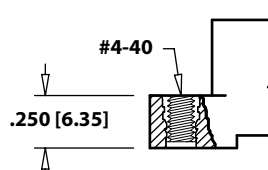
MOUNTING STYLE



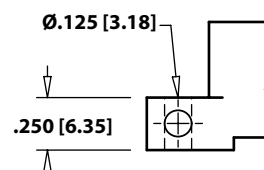
NO MOUNTING EARS (N)



FLUSH MOUNTING (D)



FLUSH MOUNTING WITH
THREADED INSERT (T)



FLUSH MOUNTING WITH SIDE HOLES (Z)



**.125" [3.18mm] Contact Centers, .610" Insulator Height,
Dip Solder/Wire Wrap/Right Angle for .093" [2.36] or .125" [3.18] Mating PCB**

PART NUMBER CODING

E B A 50 D RM D - S273

MATERIALS (Insulator/Contact)
 E = PBT/Phosphor Bronze(Standard)
 R = PPS/Phosphor Bronze
 G = PA9T/Phosphor Bronze
 (Consult Factory for Other Materials)

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" [3.18mm]

MODIFICATION CODE (Consult Factory)
 -S273 = FOR .093" ± .008" [2.36 ± .20]
 THICK MATING PCB
 -S664 = FOR .125" ± .008" [3.18 ± .20]
 THICK MATING PCB

MOUNTING STYLE (Opposite Page)
 N = No Mounting
 D = Flush Mounting
 T = Flush Mounting With Threaded Inserts
 Z = Flush Mounting With Side Holes

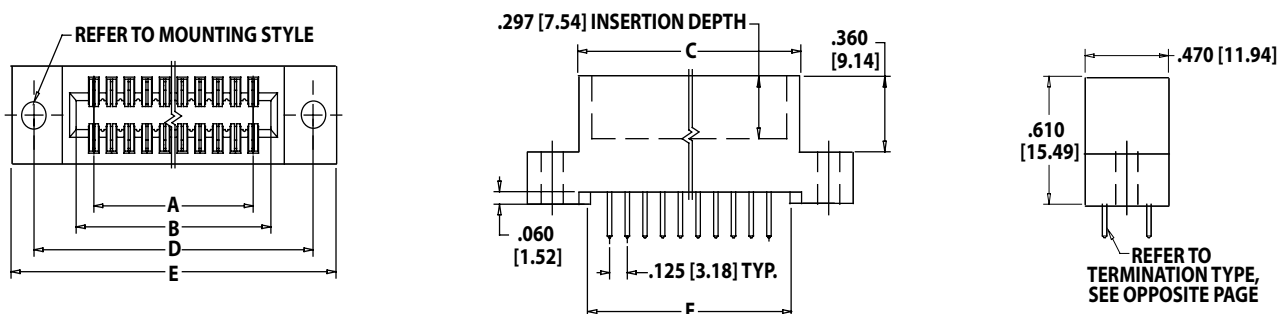
TERMINATION TYPE (Opposite Page)
 RS = .025" [0.64mm] Square Dip Solder
 RM = .025" [0.64mm] Square Wire Wrap
 TA, TB, TM = .025" [0.64mm] Square Right Angle

READOUT (OPPOSITE PAGE)
 D = Dual
 H = Half Loaded

NUMBER OF CONTACT POSITIONS
 See Chart Below

DIMENSIONS

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



Tolerances with PPS Insulator Material may vary slightly due to shrinkage differential; 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.



GENERAL SPECIFICATIONS

RoHS COMPLIANT

RoHS
COMPLIANT

All parts are currently manufactured with recommended materials to meet RoHS standards. All contacts have 50u" of nickel underplating, and a large selection of plating options: Pure tin matte, overall gold, or selective gold plating. For complete part number information or operating/processing temperature parameters, visit the RoHS section of our website, or refer to page 5 of this catalog.

MATERIALS

Insulator

- PBT, Valox*, Thermoplastic Polyester
- PPS, Ryton*, Polyphenylene Sulfide
- PEEK, Polyetheretherketone
- PA9T, High Temperature Polyamide
- Other materials available. Consult Factory

Contacts

Phosphor Bronze (Standard), Beryllium Copper, Beryllium Nickel, Spinodal**, Brass

Plating

Gold and/or Tin over .000050" Nickel Underplate, Lead Free

UL/CUL File Number: E64287

Cage Code: 54453

MECHANICAL

Board Insertion Force 16 oz Maximum per contact pair using .062"[1.58mm] thick steel test blade

Board Withdrawal Force 1 oz Minimum per contact pair using .062"[1.58mm] thick steel test blade

Special Insertion/Withdrawal forces available upon request

ELECTRICAL

Insulation Resistance: 5,000 Mega Ohm

Dielectric Withstanding Voltage

Contact Centers:	.039"[1mm]	.050"[1.27mm]	.100"[2.54mm]	.125"[3.18mm]	.150"[3.81mm]	.156"[3.96mm]
Voltage:	125 VDC	250 VDC	600 VDC	800 VDC	1500 VDC	1800 VDC
	225 VAC	300 VAC	750 VAC	750 VAC	900 VAC	950 VAC

Current Rating: 1 to 5 amp per contact

Voltage Drop: 30 milli volt at rated current

Contact Resistance: 30 milli ohm maximum at rated current

ENVIRONMENTAL

Solvent resistance: Perchloroethylene, Freon 113, Freon 11, Trichloroethylene

Operating Temperature:	PBT	-65° to +130°C	Phosphor Bronze	-65° to +125°C
	PPS	-65° to +200/220°C***	Beryllium Copper	-65° to +150°C
	PEEK	-65° to +250°C***	Spinodal**	-65° to +200°C
	PA9T	-65° to +150°C	Beryllium Nickel***	-65° to +300°C
(Continuous temperatures, higher for short duration. Contact Factory for details.)				

* Or equivalent.

** Consult factory for special soldering guidelines.

*** Consult factory.



PART NUMBER OPTIONS

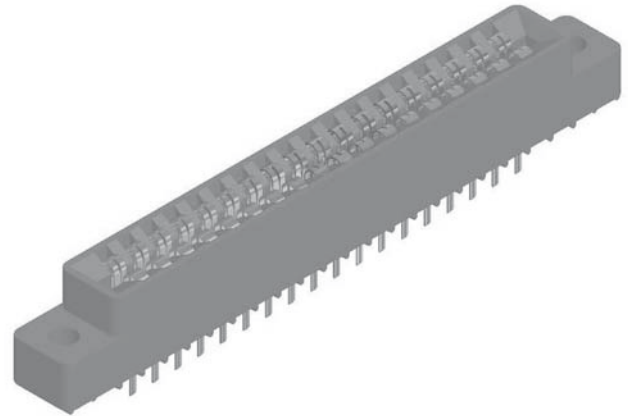
		E	B	M	43	D	RT	H	- Sxxx		
MATERIALS (Insulator/Contact)										MODIFICATION CODE (Consult Factory) OMIT FOR STANDARD	
E = PBT & Phosphor Bronze OPERATING TEMPERATURE: -65°C to +125°C PROCESSING TEMP: 260°C FOR 10 sec. MAX. (230°C, 30 sec.)										MOUNTING STYLE	
R = PPS & Phosphor Bronze OPERATING TEMPERATURE: -65°C to +125°C PROCESSING TEMPERATURE: 260°C FOR 120 sec. MAX.										H = Clearance Holes, .125" [3.18mm] Dia	
G = PA9T & PHOSPHOR BRONZE OPERATING TEMPERATURE: -65°C to +125°C PROCESSING TEMPERATURE: 260° FOR 120 sec. MAX.										N = No Mounting	
H = PBT & Beryllium Copper OPERATING TEMPERATURE: -65°C to +125°C PROCESSING TEMP: 260°C FOR 10 sec. MAX. (230°C, 30 sec.)										S = Side Mounting, .125" [3.18mm] Dia	
A = PPS & Beryllium Copper OPERATING TEMPERATURE: -65°C to +150°C PROCESSING TEMPERATURE: 260°C FOR 120 sec. MAX.										I = #4-40 Threaded Insert	
J = PA9T & Beryllium Copper OPERATING TEMPERATURE: -65°C to +150°C PROCESSING TEMPERATURE: 260°C FOR 120 sec. MAX.										F = Floating Bobbin	
M = White PA9T/Beryllium Copper OPERATING TEMPERATURE: -65°C to +150°C										W = .430" Ears, Flush Mounting, .125" [3.18mm] Dia	
F = PPS & Spinodal (Consult Factory) OPERATING TEMPERATURE: -65°C to +200°C										D = .250" Ears, Flush Mounting, .125" [3.18mm] Dia	
C = PPS & Beryllium Nickel (Consult Factory) OPERATING TEMPERATURE: -65°C to +200°C PROCESSING TEMPERATURE: 260°C FOR 120 sec. MAX.										P = Clearance Holes, .142" [3.61mm] Dia.	
W = PEEK & Beryllium Nickel (Consult Factory) OPERATING TEMPERATURE: -65°C to +250°C										B = Open Card Slot	
N = Nylon 6T & Phosphor Bronze OPERATING TEMPERATURE: -10°C to +85°C PROCESSING TEMPERATURE: 260°C for 10 sec. MAX.										X = .430" Ears, Flush Mounting, #4-40 Threaded Insert	
										T = .250" Ears, Flush Mounting, #4-40 Threaded Insert	
										Q = Straddle Mount	
										Z = .250" Ears, Flush, Side Mounting	
										TERMINATION TYPE	
										Card Extender	
										HR = .050" & 1mm Contact Centers	
										KR,KN = .025" [.64mm] Square Post, Cantilever	
										Dip Solder - High Profile	
										RS = .025 [.64mm] Square Tail, Loop Bellows	
										CS, SC = .025" [.64mm] Square Tail, Hairpin Bellows	
										TK = .026" [.66mm] Round Tail, Loop Bellows	
										CT, CW = .015" x .025" Tail, Hairpin Bellows	
										CK = .026" [.66mm] Round Tail, Loop Bellows	
										HH = 1mm [.039"] Contact Centers	
										HH, HL, HN = .050" Contact Centers	
										KS, KD = .025" [.64mm] Square Post, Cantilever	
										Dip Solder - Low Profile	
										SX, SU = Crimp to Center for Single Readout	
										RT, RK, RY = .140" [3.56mm] Row Spacing	
										RX, RF, RU, RP = .200" [5.08mm] Row Spacing	
										RJ = .250" [6.35mm] Row Spacing	
										Eyelet	
										RE, TE, SE = Eyelet Tail	
										Press Fit	
										.200" [5.08mm] Row Spacing .100" [2.54mm] Row Spacing	
										JB = .025" [.64mm] Sq. Post JF = .025" [.64mm] Sq. Post	
										JC = .025" [.64mm] Sq. Post JG = .025" [.64mm] Sq. Post	
										JW = .025" [.64mm] Sq. Post JY = .025" [.64mm] Sq. Post	
										JX = .025" [.64mm] Sq. Post JZ = .025" [.64mm] Sq. Post	
										Right Angle	
										RA, SA = Right Angle, Full Bellows	
										TA, TB, TM = Right Angle, Loop Bellows	
										CA, CB, CC = Right Angle, Hairpin Bellows	
										HA = Right Angle, .050" & 1mm Contact Centers	
										HB = Right Angle, .050" Contact Centers	
										KA, KE, KU, KJ = .025" [.64mm] Square Post, Cantilever	
										Surface Mount	
										HF = Surface Mount, .050" & 1mm Contact Centers	
										Wire Wrap	
										RM = .025" [.64mm] Square Post, Loop Bellows	
										CM, MC = .025" [.64mm] Square Post, Hairpin Bellows	
										KK = .031" [.79mm] x .062" [1.58mm] Post	
										KL = .031" [.79mm] x .062" [1.58mm] Post Twisted 90°	
										KM = .025" [.64mm] Square Post, Cantilever	
										WW = .045" [1.14mm] Square Post	
										Bi-Level Terminations	
										LR = Card Extender	
										LT = Dip Solder	
										KB = Right Angle	
										Male Edgecards	
										MW, MS = Dip Solder	
										MA, MV, MB = Right Angle	
										MD, MJ, MK = Right Angle	
										MR, MN = Card Extender	
										MM = Wire Wrap	



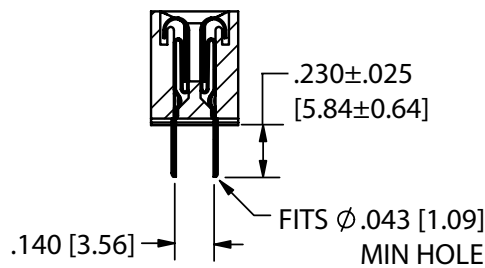
.125" Contact Centers, .431" Insulator Height, Dip Solder

SPECIFICATIONS

- Accommodates $.062" \pm .008"$ [1.57 ± 0.20] PC Board
- Insulator Material available in PBT, PPS or PA9T
- 3 Amp Current Rating per contact
- Insulator / Contact Specifications and Part Number Coding See Page 82-83
- Row Spacing Available in $.140"$ or $.200"$ (Use Modification Code 'X9' for $.200"$)
- P/N 04-0003-000 for In Between Contact Position Key See Page 126 (Sold Separately)
- Molded-in Key Available - Consult Factory

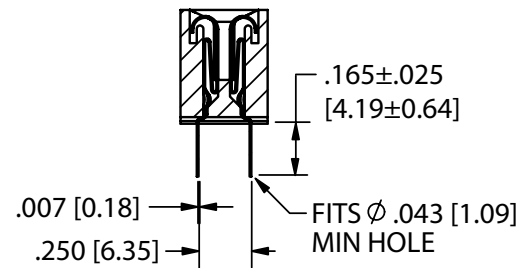


TERMINATION TYPE



DIP SOLDER (S) .140" ROW SPACING

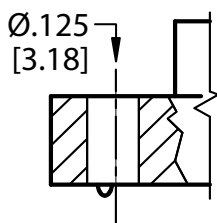
Example P/N: MP~~S~~L-0125-10-D~~S~~-1K



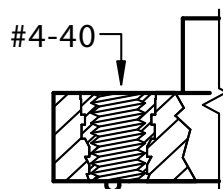
DIP SOLDER (S) .250" ROW SPACING REQUIRES 'X9' MODIFICATION CODE

Example P/N: MP~~S~~L-0125-10-D~~S~~-1X9K

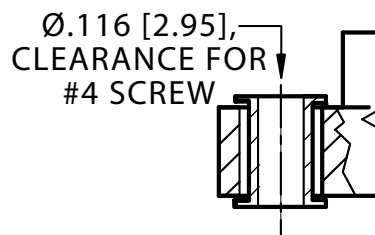
MOUNTING STYLE



(STYLE 1)



(STYLE 2)



(STYLE 3)



(STYLE 4)



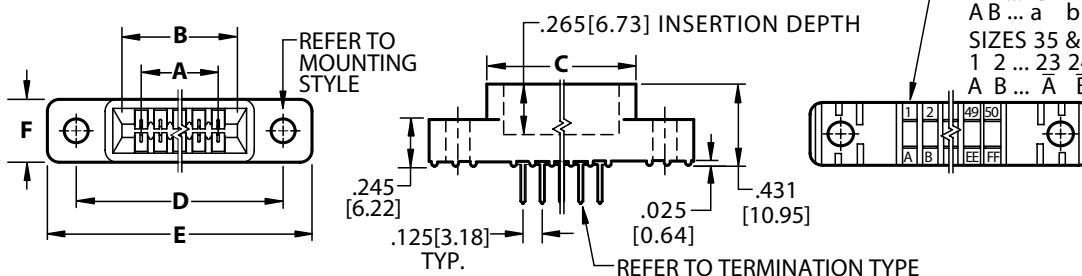
PART NUMBER CODING

PLATING - RoHS Compliant	MPL - 0	125 - 10 - D S - 1 K	MODIFICATION CODE**
All Platings are Lead Free and have .000050" Nickel Underplate			K = Required on MP SL or MPL Plating Omit for MP Plating (Overall Gold)
Contact Surface			X9 = .250" Row Spacing
*MP SL = .000010" Gold			
*MPL = .000100" Overall Pure Tin, Matte			
MP = .000010" Overall Gold			
*Requires 'K' Modification Code			
INSULATOR MATERIAL **			MOUNTING STYLE (See Opposite Page)
0 = PBT			1 = .125" Clearance Hole
			2 = #4-40 Threaded Insert
			3 = Floating Bobbin
			4 = No Mounting
CONTACT CENTERS			TERMINATION TYPE (See Opposite Page)
125 = .125" [3.18mm]			S = Dip Solder
NUMBER OF POSITIONS			READOUT
Contacts Per Row (See Position Chart Below)			D = Dual

**** SEE PAGES 82-83 FOR SPECIFICATIONS AND OTHER VARIATIONS**

DIMENSIONS

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



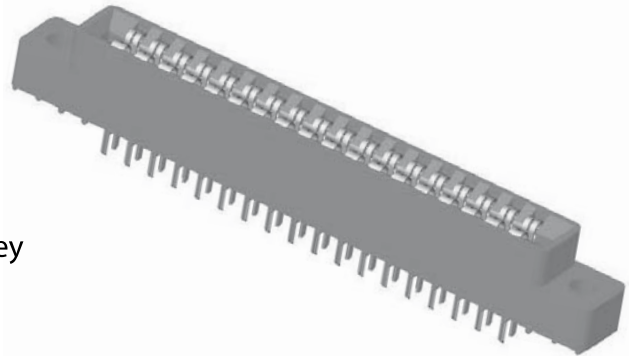
POSITIONS/ CONTACTS	INCHES					F±.005	MILLIMETERS					F±0.13
	A±.008	B±.008	C±.015	D±.010	E±.020		A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	
06/12	0.625	0.875	1.035	1.295	1.575	0.330	15.88	22.23	26.29	32.89	40.01	8.38
10/20	1.125	1.375	1.535	1.795	2.075		28.58	34.93	38.99	45.59	52.71	
14/28	1.625	1.875	2.035	2.295	2.575		41.28	47.63	51.69	58.29	65.41	
15/30	1.750	2.000	2.160	2.420	2.700		44.45	50.80	54.86	61.47	68.58	
18/36	2.125	2.375	2.535	2.795	3.075		53.98	60.33	64.39	70.99	78.11	
22/44	2.625	2.875	3.035	3.295	3.575		66.68	73.03	77.09	83.69	90.81	
28/56	3.375	3.625	3.785	4.045	4.325		85.73	92.08	96.14	102.74	109.86	
30/60	3.625	3.875	4.035	4.295	4.575		92.08	98.43	102.49	109.09	116.21	
31/62	3.750	4.000	4.160	4.420	4.700		95.25	101.60	105.66	112.27	119.38	
35/70	4.250	4.500	4.660	4.920	5.200		107.95	114.30	118.36	124.97	132.08	
36/72	4.375	4.625	4.785	5.045	5.325	0.370	111.13	117.48	121.54	128.14	135.26	9.40
37/74	4.500	4.750	4.910	5.170	5.450		114.30	120.65	124.71	131.32	138.43	
40/80	4.875	5.125	5.285	5.545	5.825		123.83	130.18	134.24	140.84	147.96	
43/86	5.250	5.500	5.660	5.920	6.200		133.35	139.70	143.76	150.37	157.48	
44/88	5.375	5.625	5.785	6.045	6.325		136.53	142.88	146.94	153.54	160.66	
49/98	6.000	6.250	6.410	6.670	6.950		152.40	158.75	162.81	169.42	176.53	
50/100	6.125	6.375	6.535	6.795	7.075		155.58	161.93	165.99	172.59	179.71	



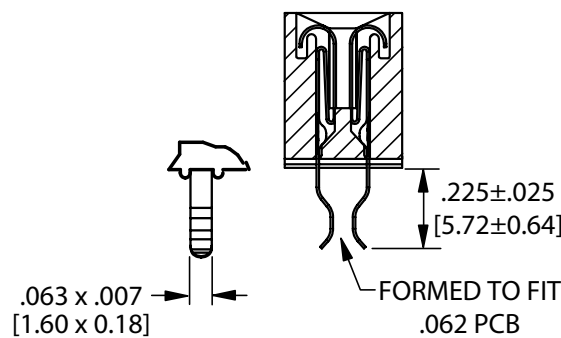
.125" Contact Centers, .431" Insulator Height, Card Extender

SPECIFICATIONS

- Accommodates $.062" \pm .008"$ [1.57 ± 0.20] PC Board
- Insulator Material available in PBT, PPS or PA9T
- 3 Amp Current Rating per contact
- Insulator / Contact Specifications and Part Number Coding See Page 82-83
- P/N 04-0003-000 for In Between Contact Position Key See Page 126 (Sold Separately)
- Molded-in Key Available - Consult Factory



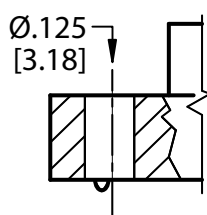
TERMINATION TYPE



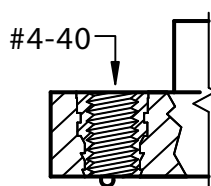
CARD EXTENDER (SE)

Example P/N:
MPSL-0125-10-DSE-1K

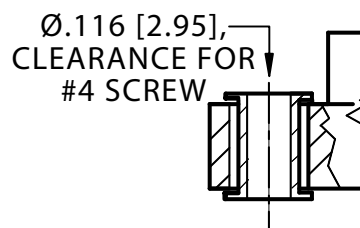
MOUNTING STYLE



(STYLE 1)



(STYLE 2)



(STYLE 3)



(STYLE 4)



PART NUMBER CODING

MPSL - 0 125 - 10 - D SE - 1 K

PLATING - RoHS Compliant

All Platings are Lead Free and have .000050" Nickel Underplate

Contact Surface

*MPSL = .000010" Gold

Termination

.000100" Pure Tin Matte

*MPL = .000100" Overall Pure Tin, Matte

MP = .000010" Overall Gold

* Requires 'K' Modification Code

Other Plating and thicknesses available upon request

INSULATOR MATERIAL**

0 = PBT

CONTACT CENTERS

125 = .125" [3.18mm]

NUMBER OF POSITIONS

Contacts Per Row (See Position Chart Below)

PLATING MODIFICATION CODE**

K = Required on MPSL or MPL Plating

Omit for MP Plating (Overall Gold)

MOUNTING STYLE (See Opposite Page)

1 = .125" Clearance Hole

2 = #4-40 Threaded Insert

3 = Floating Bobbin

4 = No Mounting

TERMINATION TYPE (See Opposite Page)

SE = Card Extender

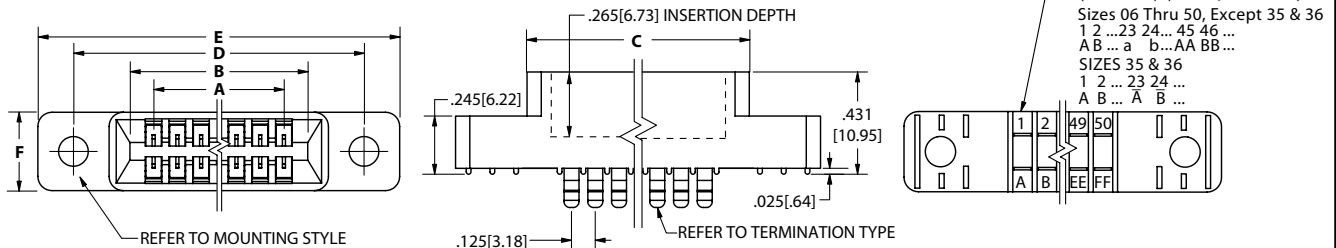
READOUT

D = Dual

**** SEE PAGES 82-83 FOR SPECIFICATIONS AND OTHER VARIATIONS**

DIMENSIONS

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



POSITIONS/ CONTACTS	INCHES						MILLIMETERS					
	A±.008	B±.008	C±.015	D±.010	E±.020	F±.005	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.13
06/12	0.625	0.875	1.035	1.295	1.575	0.330	15.88	22.23	26.29	32.89	40.01	8.38
10/20	1.125	1.375	1.535	1.795	2.075		28.58	34.93	38.99	45.59	52.71	
14/28	1.625	1.875	2.035	2.295	2.575		41.28	47.63	51.69	58.29	65.41	
15/30	1.750	2.000	2.160	2.420	2.700		44.45	50.80	54.86	61.47	68.58	
18/36	2.125	2.375	2.535	2.795	3.075		53.98	60.33	64.39	70.99	78.11	
22/44	2.625	2.875	3.035	3.295	3.575		66.68	73.03	77.09	83.69	90.81	
28/56	3.375	3.625	3.785	4.045	4.325		85.73	92.08	96.14	102.74	109.86	
30/60	3.625	3.875	4.035	4.295	4.575		92.08	98.43	102.49	109.09	116.21	
31/62	3.750	4.000	4.160	4.420	4.700		95.25	101.60	105.66	112.27	119.38	
35/70	4.250	4.500	4.660	4.920	5.200		107.95	114.30	118.36	124.97	132.08	
36/72	4.375	4.625	4.785	5.045	5.325	0.370	111.13	117.48	121.54	128.14	135.26	9.40
37/74	4.500	4.750	4.910	5.170	5.450		114.30	120.65	124.71	131.32	138.43	
40/80	4.875	5.125	5.285	5.545	5.825		123.83	130.18	134.24	140.84	147.96	
43/86	5.250	5.500	5.660	5.920	6.200		133.35	139.70	143.76	150.37	157.48	
44/88	5.375	5.625	5.785	6.045	6.325		136.53	142.88	146.94	153.54	160.66	
49/98	6.000	6.250	6.410	6.670	6.950		152.40	158.75	162.81	169.42	176.53	
50/100	6.125	6.375	6.535	6.795	7.075		155.58	161.93	165.99	172.59	179.71	

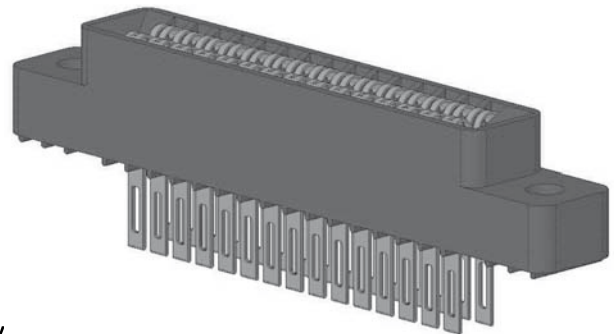


Micro Plastics Edgcards

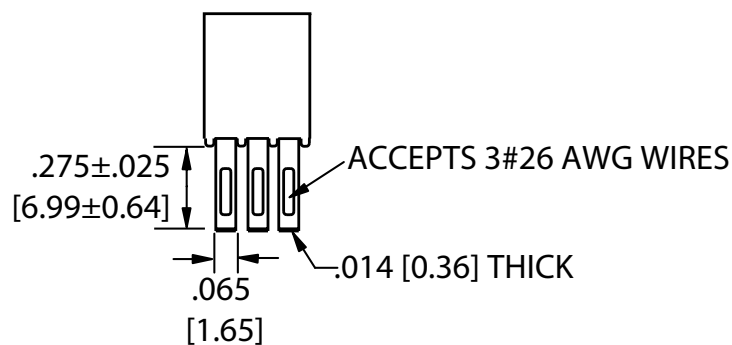
.125" Contact Centers, .431" Insulator Height, Eyelet

SPECIFICATIONS

- Accommodates $.062" \pm .008"$ [1.57 ± 0.20] PC Board
- Insulator Material available in PBT, PPS or PA9T
- 3 Amp Current Rating per contact
- Insulator / Contact Specifications and Part Number Coding See Page 82-83
- Row Spacing Available in .140" or .200"
(Use Modification Code 'X9' for .200")
- P/N 04-0004-000 for In Between Contact Position Key
See Page 126 (Sold Separately)
- Molded-in Key Available - Consult Factory



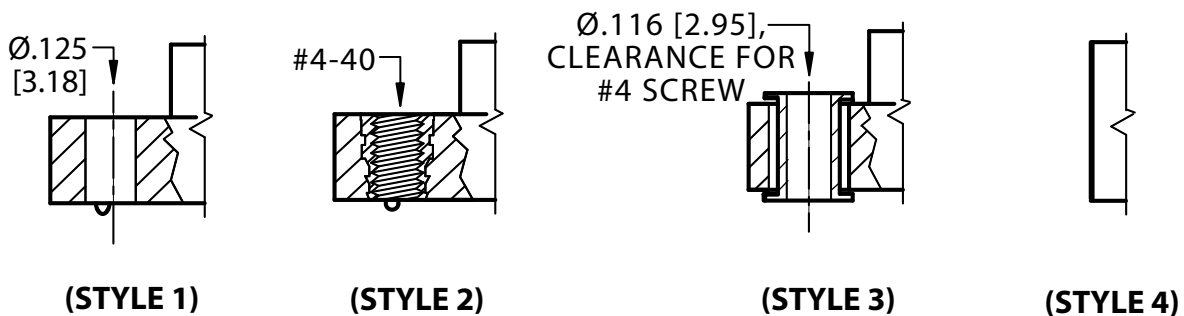
TERMINATION TYPE



EYELET (P)

Example P/N:
MP-0125-10-DP-1

MOUNTING STYLE





PART NUMBER CODING

PLATING - RoHS Compliant

All Platings are Lead Free and have .000050" Nickel Underplate

*MPL = .000100" Overall Pure Tin, Matte

MP = .000010" Overall Gold

* Requires 'K' Modification Code

Other Plating and thicknesses available upon request

INSULATOR MATERIAL**

0 = PBT

CONTACT CENTERS

125 = .125" [3.18mm]

NUMBER OF POSITIONS

Contacts Per Row (See Position Chart Below)

MPL - 0 125 - 10 - D P - 1 K

PLATING MODIFICATION CODE**

K = Required on Tin Plating

Omit for MP Plating (Overall Gold)

MOUNTING STYLE (See Opposite Page)

1 = .125" Clearance Hole

2 = #4-40 Threaded Insert

3 = Floating Bobbin

4 = No Mounting

TERMINATION TYPE (See Opposite Page)

P = Pierced Eyelet, .014" Thick

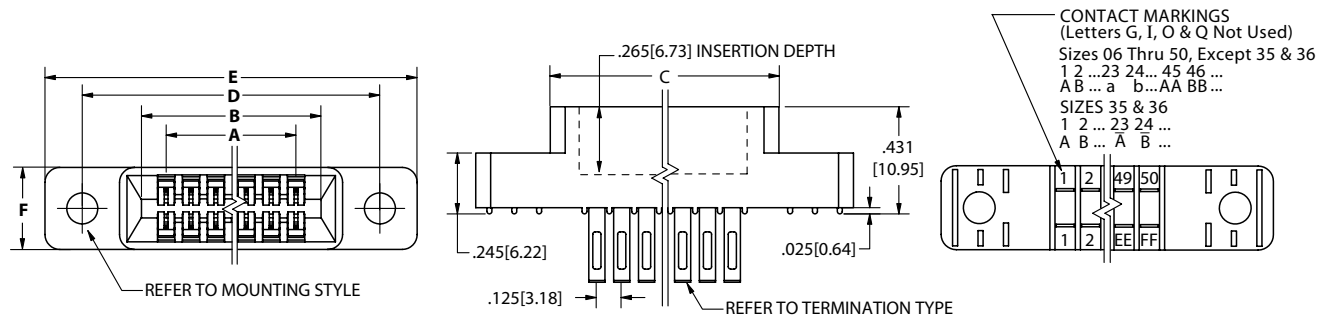
READOUT

D = Dual

**** SEE PAGES 82-83 FOR SPECIFICATIONS AND OTHER VARIATIONS**

DIMENSIONS

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



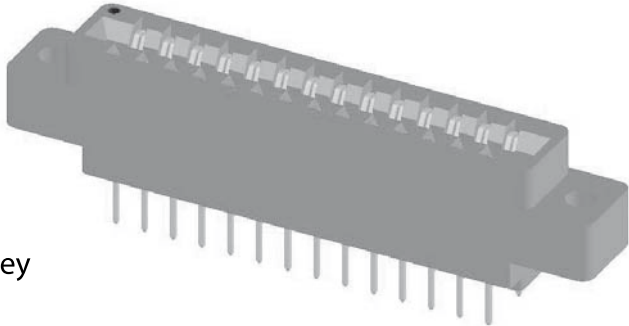
POSITIONS/ CONTACTS	INCHES						MILLIMETERS					
	A±.008	B±.008	C±.015	D±.010	E±.020	F±.005	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.13
06/12	0.625	0.875	1.035	1.295	1.575	0.330	15.88	22.23	26.29	32.89	40.01	8.38
10/20	1.125	1.375	1.535	1.795	2.075		28.58	34.93	38.99	45.59	52.71	
14/28	1.625	1.875	2.035	2.295	2.575		41.28	47.63	51.69	58.29	65.41	
15/30	1.750	2.000	2.160	2.420	2.700		44.45	50.80	54.86	61.47	68.58	
18/36	2.125	2.375	2.535	2.795	3.075		53.98	60.33	64.39	70.99	78.11	
22/44	2.625	2.875	3.035	3.295	3.575		66.68	73.03	77.09	83.69	90.81	
28/56	3.375	3.625	3.785	4.045	4.325		85.73	92.08	96.14	102.74	109.86	
30/60	3.625	3.875	4.035	4.295	4.575		92.08	98.43	102.49	109.09	116.21	
31/62	3.750	4.000	4.160	4.420	4.700		95.25	101.60	105.66	112.27	119.38	
35/70	4.250	4.500	4.660	4.920	5.200		107.95	114.30	118.36	124.97	132.08	
36/72	4.375	4.625	4.785	5.045	5.325	0.370	111.13	117.48	121.54	128.14	135.26	9.40
37/74	4.500	4.750	4.910	5.170	5.450		114.30	120.65	124.71	131.32	138.43	
40/80	4.875	5.125	5.285	5.545	5.825		123.83	130.18	134.24	140.84	147.96	
43/86	5.250	5.500	5.660	5.920	6.200		133.35	139.70	143.76	150.37	157.48	
44/88	5.375	5.625	5.785	6.045	6.325		136.53	142.88	146.94	153.54	160.66	
49/98	6.000	6.250	6.410	6.670	6.950		152.40	158.75	162.81	169.42	176.53	
50/100	6.125	6.375	6.535	6.795	7.075		155.58	161.93	165.99	172.59	179.71	



**.125" Contact Centers, .610" Insulator Height,
Wire Wrap & Dip Solder**

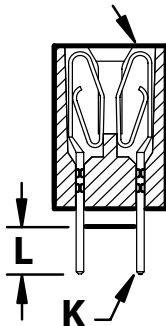
SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 ± 0.20] PC Board
- Insulator Material available in PBT, PPS or PA9T
- 3 Amp Current Rating per contact
- Insulator / Contact Specifications and Part Number Coding See Page 82-83
- P/N 04-0004-000 for In Between Contact Position Key See Page 126 (Sold Separately)
- Molded-in Key Available - Consult Factory



TERMINATION TYPE

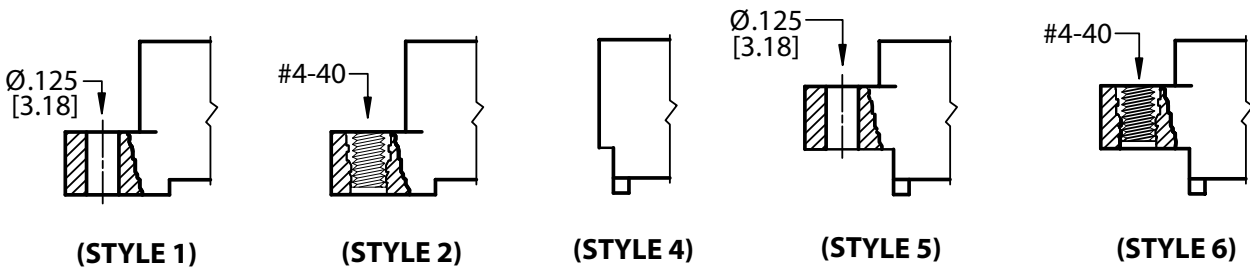
LOOP BELLOWS



LOOP BELLOWS

TERMINATION CODE	MODIFICATION CODE	TYPE	POST CROSS SECTION K	POST LENGTH L	FITS MIN. HOLE SIZE	EXAMPLE PART NUMBER
R	H	Dip Solder	.026 [0.66] Round	.190 [4.83]	.030 [0.76]	<i>MPSL-0125-10-DR-1HK</i>
R	H(.165)	Dip Solder	.026 [0.66] Round	.165 [4.19]	.030 [0.76]	<i>MPSL-0125-10-DR-1HK(.165)</i>
W	H	Dip Solder	.025 [0.64] Square	.190 [4.83]	.040 [1.02]	<i>MPSL-0125-10-DW-1HK</i>
W	OMIT	Wire Wrap	.025 [0.64] Square	.560 [14.20]	.040 [1.02]	<i>MPSL-0125-10-DW-1K</i>

MOUNTING STYLE





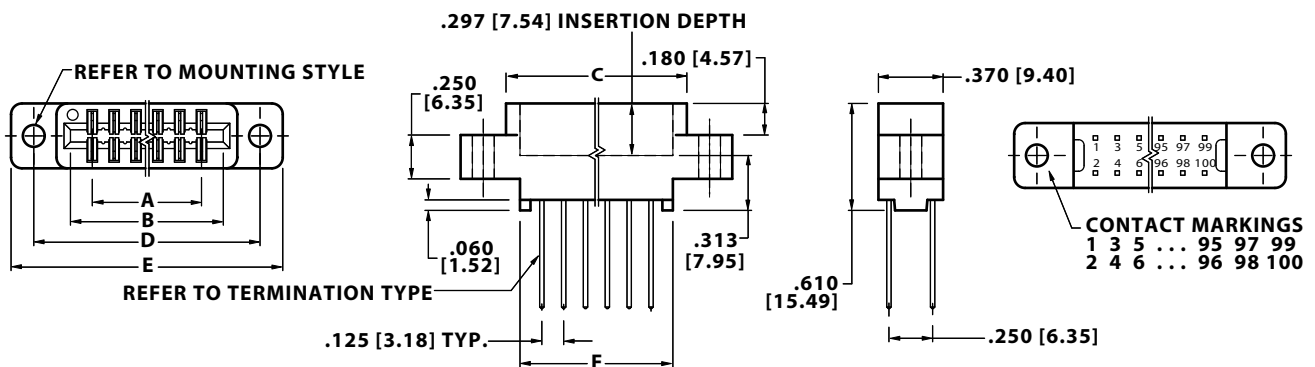
PART NUMBER CODING

PLATING - RoHS Compliant		PLATING MODIFICATION CODE**	
All Platings are Lead Free and have .000050" Nickel Underplate		K = Required on MPSSL or MPL Plating Omit for MP Plating (Overall Gold)	
Contact Surface	Termination	MODIFICATION CODE**	
*MPSSL = .000010" Gold	.000100" Pure Tin, Matte	(See Opposite Page)	
*MPL = .000100" Overall Pure Tin, Matte		H = Dip Solder .190[4.83] Tail Length (.026 Round or .025 Square)	
MP = .000010" Overall Gold		H(.165) = Dip Solder .165[4.19] Tail Length (.026 Round Only)	
*Requires 'K' Modification Code		MOUNTING STYLE (See Opposite Page)	
INSULATOR MATERIAL**		1 = .125" Clearance Hole	
0 = PBT		2 = #4-40 Threaded Insert	
CONTACT CENTERS		4 = No Mounting	
125 = .125" [3.18mm]		5 = Raised, .125" Clearance Hole	
NUMBER OF POSITIONS		6 = Raised, #4-40 Threaded Insert	
Contacts Per Row (See Position Chart Below)		TERMINATION TYPE (See Opposite Page)	
READOUT		LOOP BELLOWS	
D = Dual		R = .026[.66mm] Round	
		W = .025[.64mm] Square	

**** SEE PAGES 82-83 FOR SPECIFICATIONS AND OTHER VARIATIONS**

DIMENSIONS

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

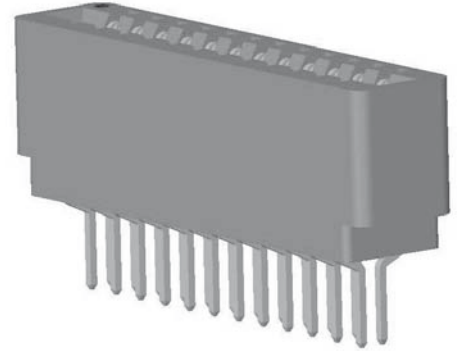




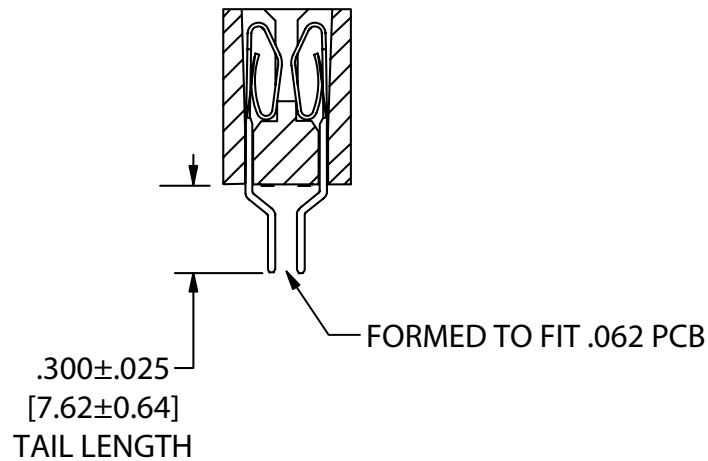
**.125" Contact Centers, .550" Insulator Height,
.025" Square Card Extender**

SPECIFICATIONS

- Accommodates $.062" \pm .008"$ [1.57 ± 0.20] PC Board
- Insulator Material available in PBT, PPS or PA9T
- 3 Amp Current Rating per contact
- Insulator / Contact Specifications and Part Number Coding See Page 82-83
- P/N 04-0004-000 for In Between Contact Position Key See Page 126 (Sold Separately)
- Molded-in Key Available - Consult Factory

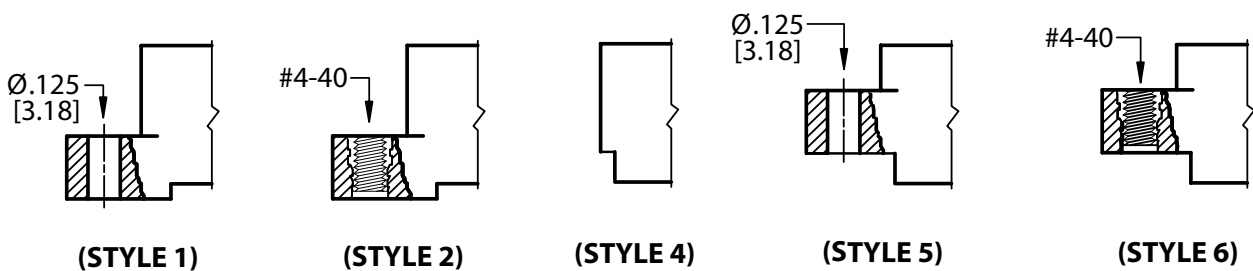


TERMINATION TYPE



Example P/N: MP~~SL~~-0125-10-D~~WE~~-4K~~TT~~

MOUNTING STYLE





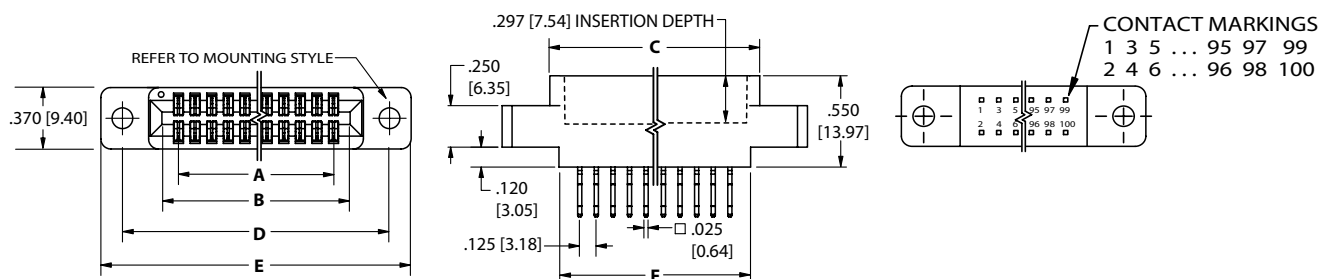
PART NUMBER CODING

PLATING - RoHS Compliant		MODIFICATION CODE**	
All Platings are Lead Free and have .000050" Nickel Underplate		TT = No Standoffs	
Contact Surface	Termination	PLATING MODIFICATION CODE**	
*MPSL = .000010" Gold	.000100" Pure Tin, Matte	K = Required on MPSL or MPL Plating	
*MPL = .000100" Overall Pure Tin, Matte		Omit for MP Plating (Overall Gold)	
MP = .000010" Overall Gold		MOUNTING STYLE (See Opposite Page)	
*Requires 'K' Modification Code		1 = .125" Clearance Hole	
INSULATOR MATERIAL **		2 = #4-40 Threaded Insert	
0 = PBT		4 = No Mounting	
CONTACT CENTERS		5 = Raised, .125" Clearance Hole	
125 = .125" [3.18mm]		6 = Raised, #4-40 Threaded Insert	
NUMBER OF POSITIONS		TERMINATION TYPE (See Opposite Page)	
Contacts Per Row (See Position Chart Below)		WE = Card Extender	
READOUT			
D = Dual			

**** SEE PAGES 80-83 FOR SPECIFICATIONS AND OTHER VARIATIONS**

DIMENSIONS

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



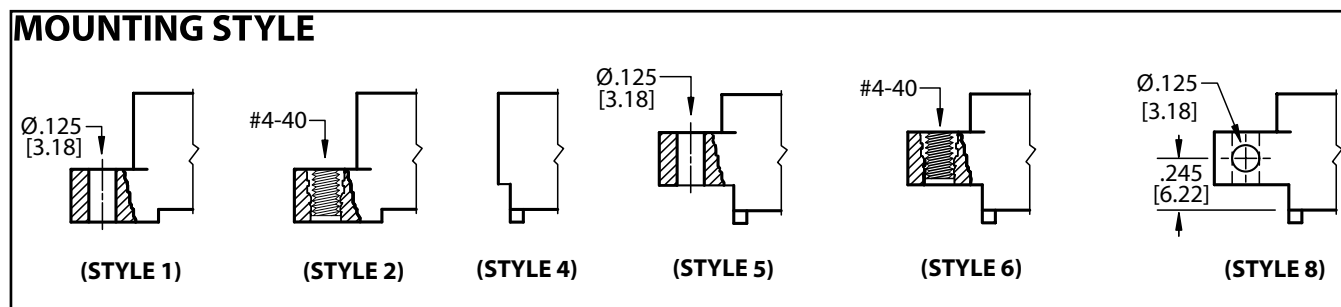
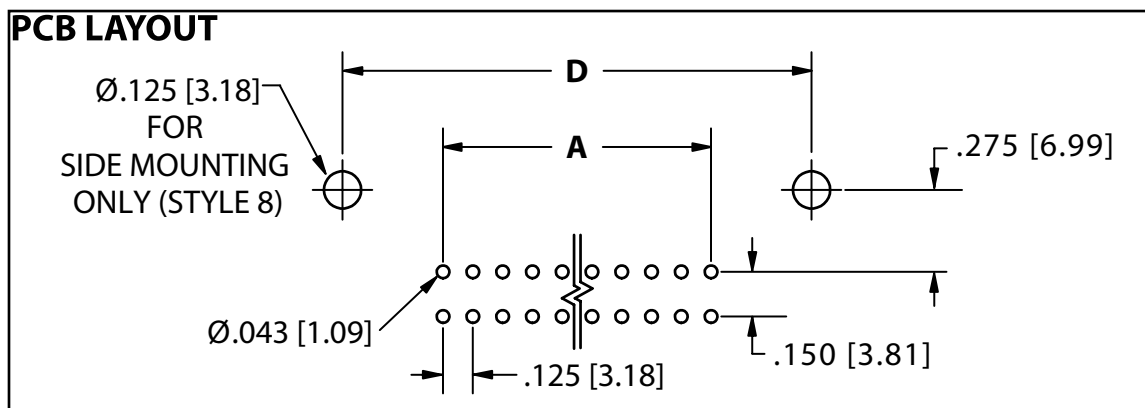
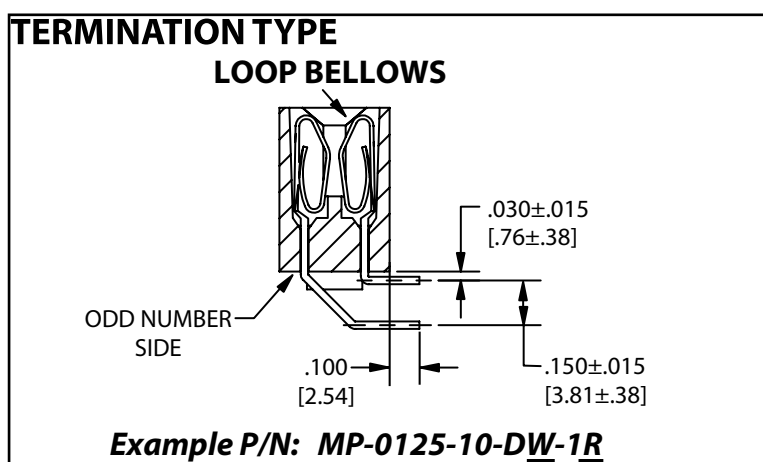
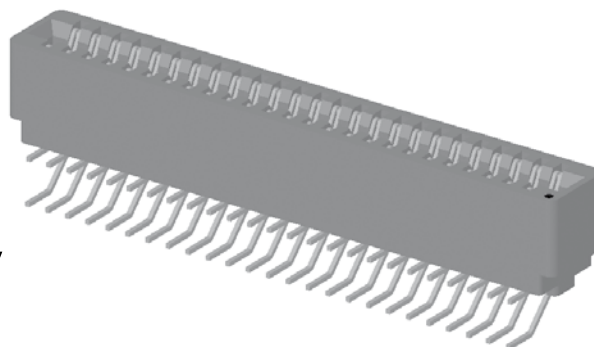
POSITIONS/ CONTACTS	INCHES						MILLIMETERS					
	A±.008	B±.008	C±.015	D±.010	E±.020	F±.015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.38
06/12	0.625	0.875	1.035	1.295	1.555	0.875	15.88	22.23	26.29	32.89	39.50	22.23
10/20	1.125	1.375	1.535	1.795	2.055	1.375	28.58	34.93	38.99	45.59	52.20	34.93
14/28	1.625	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
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



.125" Contact Centers, .610" Insulator Height, Right Angle

SPECIFICATIONS

- Accommodates $.062" \pm .008"$ [1.57 ± 0.20] PC Board
- Insulator Material available in PBT, PPS or PA9T
- 3 Amp Current Rating per contact
- Insulator / Contact Specifications and Part Number Coding See Page 82-83
- P/N 04-0004-000 for In Between Contact Position Key See Page 126 (Sold Separately)
- Molded-in Key Available - Consult Factory





PART NUMBER CODING

MPSL - 0 125 - 10 - D W - 1 K R

PLATING - RoHS Compliant
All Platings are Lead Free and have .000050" Nickel Underplate
Contact Surface Termination
*MPSL = .000010" Gold .000100" Pure Tin, Matte
*MPL = .000100" Overall Pure Tin, Matte
MP = .000010" Overall Gold
*Requires 'K' Modification Code

INSULATOR MATERIAL **
0 = PBT

CONTACT CENTERS
125 = .125" [3018mm]

NUMBER OF POSITIONS
Contacts Per Row (See Position Chart Below)

READOUT
D = Dual

MODIFICATION CODE**
R = Right Angle

PLATING MODIFICATION CODE**
K = Required on MPSL or MPL Plating
Omit for MP Plating (Overall Gold)

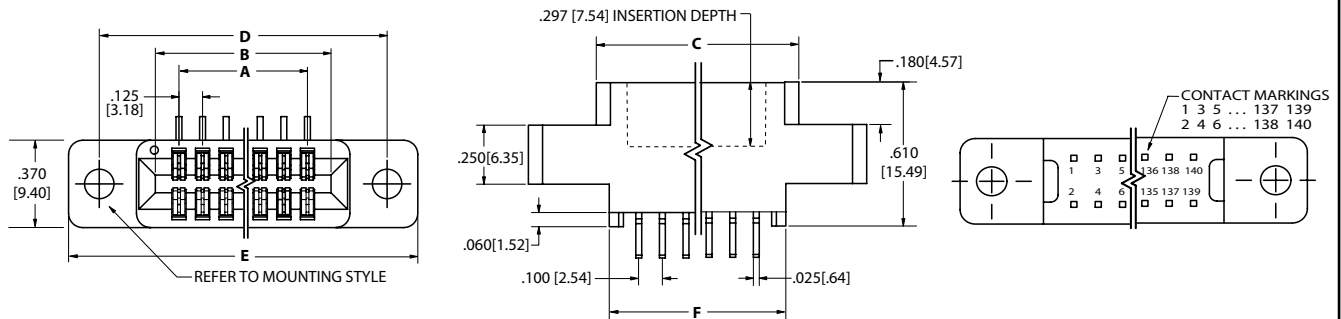
MOUNTING STYLE (See Opposite Page)
1 = .125" Clearance Hole
2 = #4-40 Threaded Insert
4 = No Mounting
5 = Raised, .125" Clearance Hole
6 = Raised, #4-40 Threaded Insert
8 = Raised, Side Mounting, .125" Clearance Hole

TERMINATION TYPE (See Opposite Page)
LOOP BELLOWS
W = .025 [.64] Square

**** SEE PAGES 82-83 FOR SPECIFICATIONS AND OTHER VARIATIONS**

DIMENSIONS

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



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
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

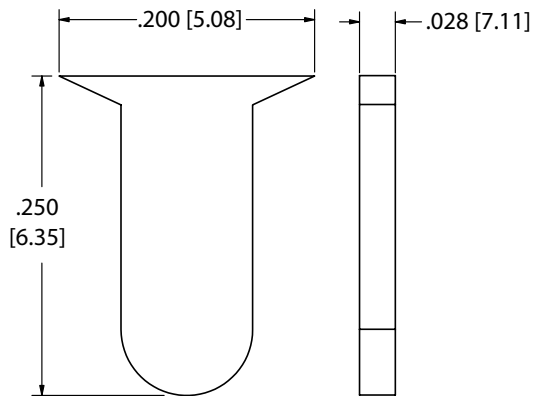
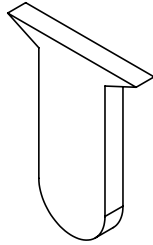


ALL KEYS ORDERED SEPARATELY

IN BETWEEN CONTACT KEY

P/N: 04-0001-000

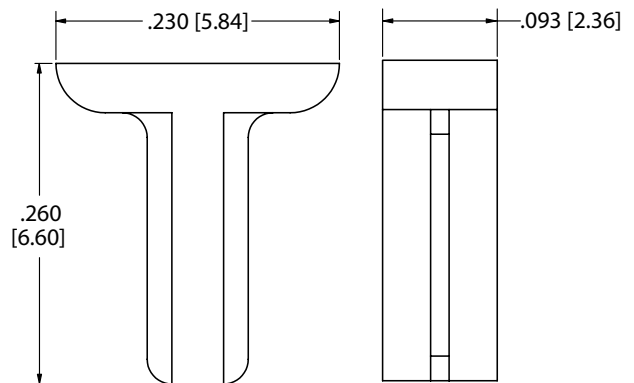
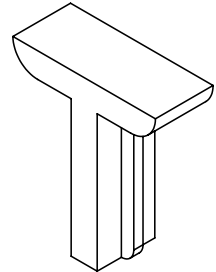
SULLINS PART: PLM-K1



IN CONTACT KEY

P/N: 04-0002-000

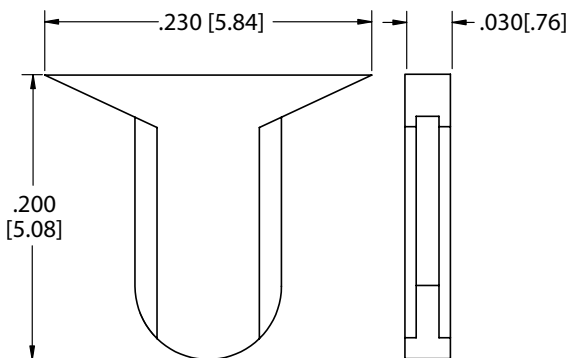
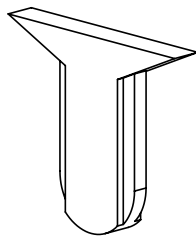
SULLINS PART: PLM-K2



IN BETWEEN CONTACT KEY

P/N: 04-0003-000

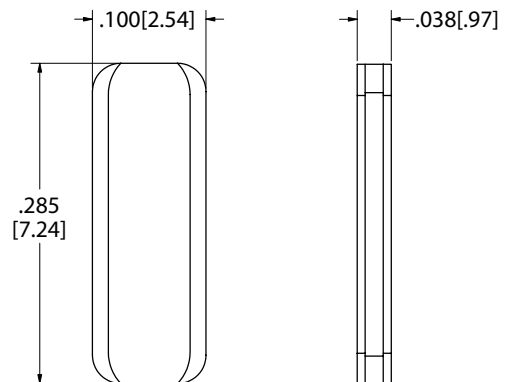
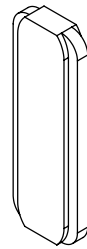
SULLINS PART: PLA-K1



IN BETWEEN CONTACT KEY

P/N: 04-0004-000

SULLINS PART: PLC-K1





GENERAL SPECIFICATIONS

RoHS COMPLIANT

RoHS
COMPLIANT

All parts are currently manufactured with recommended materials to meet RoHS standards. All contacts have 50u" of nickel underplating, and a large selection of plating options: Pure tin matte, overall gold, or selective gold plating. For complete part number information or operating/processing temperature parameters, visit the RoHS section of our website, or refer to page 81 of this catalog.

MATERIALS

To determine Assembly Operating Temperature, take the lower of two temperatures

			Operating Temperature	Processing Temperature
Insulator:				
Standard	PBT, Valox*	Glass filled Thermoplastic Polyester	-65°C to +130°C	260°C / 10 Seconds
Special	PPS, Ryton*	Glass/Mineral filled Polyphenylene Sulfide, Green	-65°C to +220°C	260°C / 120 Seconds
Special	PPS, Ryton*	Glass filled Polyphenylene Sulfide, Brown	-65°C to +200°C	260°C / 120 Seconds
Special	PA9T	High Temperature Polyamide	-65°C to +150°C	260°C / 120 Seconds
Special	Peek	Glass filled Polyetheretherketone	-65°C to +250°C	

Contacts:

Standard	Phosphor Bronze (Available in All Contact Styles)	-65°C to +125°C
Special	Beryllium Copper (Consult Factory)	-65°C to +150°C
Special	Spinodal** (Consult Factory)	-65°C to +200°C
Special	Beryllium Nickel (Consult Factory)	-65°C to +300°C

Plating:

Gold and/or Tin over .000050" Nickel Underplate, Lead Free

UL/CUL File Number: E64287 Section 2

Cage Code: 31223

* Or equivalent.

** Consult factory for special soldering guidelines.

MECHANICAL

Board Insertion Force 16 oz Maximum per contact pair using .062"[1.58mm] thick steel test blade

Board Withdrawal Force 1 oz Minimum per contact pair using .062"[1.58mm] thick steel test blade

Special Insertion/Withdrawal forces available upon request

ELECTRICAL PERFORMANCE (Per Mil-C-21097C)

Insulation Resistance: 5,000 Mega Ohm

Dielectric Withstanding Voltage

Contact Centers: .100"[2.54mm] .125"[3.18mm] .150"[3.81mm] .156"[3.96mm]

Voltage: 600 VDC 800 VDC 1500 VDC 1800 VDC

750 VAC 750 VAC 900 VAC 950 VAC

Current Rating: 3 to 5 amperes (amps) per contact

Voltage Drop: 30 Milli volt at rated current

Contact Resistance: 30 Milli ohm maximum at rated current

Registered Trademarks

Sabco Innovative Plastics: Valox

Gardner-Denver Co.: Wire Wrap

Phillips 66: Ryton

Ametek: Spinodal

RTP Compounder: PEEK

Underwriters Labs: UL

Sullins Electronics: Sullins

Sullins Electronics: Zero Lead Time



MP - 0 100 - 22 - D W - 5 xxx

PLATING - RoHS Compliant

ALL PLATINGS ARE LEAD FREE AND HAVE
.000050" NICKEL UNDERPLATE

	Contact Surface	Termination
*MPSL	= .000010" Gold	.000100" Pure Tin Matte
*EMPSL	= .000010" Gold	.000100" Pure Tin Matte
*MPL	= .000100" Overall Pure Tin, Matte	
*EMPL	= .000100" Overall Pure Tin, Matte	
MP	= .000010" Overall Gold	
EMP	= .000010" Overall Gold	
MPP	= Spinodal Contact Material (Overall Gold Only)	
EMPP	= Spinodal Contact Material (Overall Gold Only)	

* Requires 'K' Modification Code

Platings that start with 'E' are for Economy Eyelet Only
Other Plating and thicknesses available upon request.

INSULATOR MATERIAL

All Materials are U.L. Approved 94-Vo

- 0 = PBT, Blue
- 1 = PPS, Brown
- 2 = PBT, Green
- 3 = PBT, Black
- 4 = PA9T, Black
- 5 = PPS, Black
- 6 = PPS, Green
- 7 = PPS, Brown
- 8 = Peek, Natural

CONTACT CENTERS

- 100 = .100" [2.54mm]
- 125 = .125" [3.18mm]
- 150 = .150" [3.84mm]
- 156 = .156" [3.96mm]

NUMBER OF POSITIONS

02 - 70 Contacts Per Row

READOUT

D = Dual Row

TERMINATION TYPE

- FS = .045" Square Tails - .720" Insulator Height
- P = Solder Eyelet - .431" Insulator Height
- PE = Economy Eyelet - .431" Insulator Height,
Card Extender, .156" only
- R = .026" Round Tails - .610" Insulator Height,
- S = Dip Solder - .431" Insulator Height
- SE = Card Extender - .431" Insulator Height
- W = .025" Square Wire Wrap -
.610" Insulator Height
- WE = .025" Square Card Extender -
.610" Insulator Height

MOUNTING STYLE

- 1 = **.125" Clearance Holes**
.245" Ears, .431" Insulator Height
.250" Flush Ears, .610" Insulator Height
- 2 = **#4-40 Threaded Insert**
.245" Ears, .431" Insulator Height
.250" Flush Ears, .610" Insulator Height
- 3 = **Floating Bobbin**
.220" Ears not Including Bobbin
on All Connectors
(Flush Ears on .610 Insulator Height)
- 4 = **No Mounting Ears**
All Connectors
- 5 = **Raised with .125" Clearance Holes**
Wire Wrap Only, .610" Insulator Height
- 6 = **Raised with #4-40 Threaded Insert**
Wire Wrap Only, .610" Insulator Height
- 8 = **.125" Side Holes (Cross Drilled)**
- 9 = **One Ear, .125" Clearance Hole**
Dip Solder & Eyelet
- 10 = **One Ear, #4-40 Threaded Insert**
Dip Solder & Eyelet
- 11 = **.142" Mounting Holes**
.431" Insulator Height, Dip Solder, Eyelet
.610" Insulator Height, Wire Wrap
- 12 = **.128" Clearance Holes**
.431" Insulator Height, Dip Solder & Eyelet
.610" Insulator Height, Wire Wrap
- 13 = **Flush Ears, .128" Clearance Holes**
.430" Ears with Pad on .610" Insulator
Height, Wire Wrap Only
- 14 = **.142" Side Holes (Cross Drilled)**
.431" Insulator Height, Dip Solder, Eyelet
.610" Insulator Height, Wire Wrap
- 15 = **Flush Ears, .125" Clearance Holes**
.190" Ears, No Pad
.610" Insulator Height, Wire Wrap Only
- 16 = **Flush .250" Ears to top of the
Card Entry Side of the Connector,**
.610" Insulator Height, Wire Wrap Only
- 18 = **Flush Ears, .125" Side Holes**
(Cross Drilled)
- 19 = **.152" Clearance Holes**
.610" Insulator Height, Wire Wrap Only
- 58 = **Raised Ears, .125" Side Holes**
(Cross Drilled)
- 81 = **Flush Ears, .125" Side Holes**
.250" Ears with Pad, .610" Insulator Height,
Wire Wrap
- 86 = **Side Holes with #4-40 Threaded Insert**
.250" Ears with Pad, .610" Insulator Height

MODIFICATION CODE

CONSULT FACTORY FOR OTHER OPTIONS

- A = **Contacts Loaded one side only**
- B = **Center Barrier for 28/56 -**
.156" Dip Solder & Eyelet
- C = **.030" Longer Cardslot and
Mounting Hole Centers for 22/44,**
All .156" (Consult Factory)
- D = **.000050" Gold Plating -**
(Consult Factory)
- E9 = **.200" Row Spacing on .156"
Contact Centers**
- F = **6.802" Cardslot for 43/86**
.156" Eyelet & Wire Wrap Only
- F9 = **6.802" Cardslot and .200" Row
Spacing for 43/86 Dip Solder Only**
- G = **.000030" Gold Plating**
- H = **.190" Contact Length for .025"
Square & .026" Round Contacts**
.250" Contact Length without
Standoffs
- J = **Low Insertion Force**
- K = **MPSL - Selective Gold with Pure
Tin, Matte Plating on Tails**
MPL - Overall Pure Tin, Matte
- L = **.140" Contact Length for**
.156" Dip Solder Only
- M = **Pad on Bottom of Mounting Ears**
for .156", .431" Insulator Height,
Dip Solder & Eyelet Only
- N = **Hi-light Contact ID on Bottom**
(Consult Factory)
- P = **Engraving Reversed**
(Consult Factory)
- Q = **Right Angle Connector Contacts
Untrimmed**
(Requires 'R' Modification Code)
- R = **Right Angle Connectors**
- S = **Shorter Overall Length**
- T = **Center Standoffs Removed**
.100" & .125" Wire Wrap Only
- TT = **No Standoffs**
- U = **.000020" Gold Plating**
- X9 = **.200" Row Spacing for**
.100" & .156" Dip Solder Only
.250" Row Spacing for
.125" Dip Solder Only
- Y = **Beryllium Copper Contacts**
- Z = **Standoffs on .156" Wire Wrap**

See applicable specification pages for more information.

Specifications are subject to change without notice.