

Board-to-socket

Test Sockets

Board-to-board

Hi-Temp Card Edge Connectors

Board-to-board

Hi-Density Card Edge Connectors

Board-to-board

Card Edge Connectors

Board-to-board

Headers & Shunts

Board-to-cable

IDC Sockets & Dip Plugs

Board-to-wire/Wire-to-wire

Wire-to-board Connectors

Input/Output

Hi-Temp Headers & Shunts







Sullins' Capabilities

Sullins Connector Solutions is the leader in developing and delivering reliable, cutting-edge connectors for diverse applications and industries worldwide. Headquartered in San Marcos, California, and privately held, Sullins provides the largest selection of 100% RoHS, UL/CUL approved card edge connectors and headers in the industry. Our high-level, high-density and high-temperature connectors are specifically designed for challenging applications used by leading manufacturers and engineers all over the world.



Quality

- We want to exceed customer expectations at every level of service provided
- Continuous improvement on all aspects of operations
- ISO 9001 and AS9100 certified!
- RoHS compliance on all parts
- Quality control on all raw materials and finished parts based on Statistical Process Control (SPC) methods



Product Development

- We offer the largest variety of card edge connectors
- Continuous research & development of new connectors to meet new and unique demands
- Hundreds of new product variations created every year



Speed & Flexibility

- Most order shipped within 5 business days
- Small orders never a problem
- Same-day response to customer inquiries and Request-for-Quote (RFQ)



Manufacturing

- In-house molding of various plastic materials, including thermoplastic, high temperature Polyamide and Polyphenylene Sulfide, etc
- Full range of precision machining tools to support quick tooling and automated production
- Quick change tools allow for small runs within production runs
- Automated systems to allow efficient product assembly



Custom Connector Solutions

- In-house design and custom molding capabilities to support quick turn-around time
- Extensive connector design expertise to assist with design analysis and prototype development
- Advanced connector design tools and quick prototyping for design simulation
- Modular tooling allows for quick switch from prototye to production



Global Sales & Services

- Partnerships with a network of strategically located distributors for more efficient global sales and services
- Asia Pacific Operations established to provide closerange sales support in the region
- Asia Pacific operations promote logistical convenience by supporting flexible drop-ship options, thus reducing overall lead time





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GENERAL SPECIFICATIONS	\ldots ϵ
PART NUMBER OPTIONS	7
High Density Card Edge	
1.00 mm [.039"] Contact Centers	
15.49 mm [.610"] Profile, Dip Solder/Card Extender/SMT	3
21.84 mm [.860"] Profile, Right Angle	10
11.25 mm [.443"] Profile, PCI Express, Dip Solder	12
10.25 mm [.404"] Profile, PCI Express, Card Extender for Straddle Mount	14
10.90 mm [.429"] Profile, PCI Express, SMT with Posts	16
.050" [1.27 mm] Contact Centers	
.488" [12.40 mm] Profile, Ultra Thin, Dip Solder/Card Extender/SMT	18
.610" [15.49 mm] Profile, Dip Solder/Card Extender/SMT	
for .031" [0.79 mm], .062" [1.57 mm] or .093" [2.36 mm] Mating PCB	20
.915" [23.24 mm] Profile, Right Angle	
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.915" [23.24 mm] Profile, [PCI] Right Angle	
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High Density, Card Extender, Dip Solder .062" [1.57 mm] or .093" [2.36 mm] Mating PCB	22
High Density, Right Angle for .062" [1.57 mm] or .093" [2.36 mm] Mating PCB	
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.100" [2.54 mm] Contact Centers, Dip Solder/Right Angle/Card Extender	
.156" [3.96 mm] Contact Centers, Dip Solder/Right Angle/ Card Extender	44





Sullins Card Edge

Female Card Edge

3	
100" [2.54 mm] Contact Centers	
.431" [10.95 mm] Profile, Dip Solder/Eyelet/Right Angle for .062" [1.57 mm] or .031" [0.79 mm] Mating PCI	B46
.431" [10.95 mm] Profile, Dip Solder/Eyelet/Right Angle for .093" [2.36 mm] Mating PCB	48
.610" [15.49 mm] Profile, Dip Solder/Wire Wrap/Right Angle/Card Extender	50
.610" [15.49 mm] Profile, .400" [10.16 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle/Card Extender	
for .062" [1.57 mm] or .093" [2.36 mm] Mating PCB	52
.610" [15.49 mm] Profile, .470" [11.94 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle/Card Extender	
for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB	54
.610" [15.49 mm] Profile, [ISA] Dip Solder/Wire Wrap/Right Angle	56
.690" [17.52 mm] Profile, Make Before Break Dip Solder/Card Extender/Right Angle	58
.560" [14.22 mm] Profile, .400" [10.16 mm] Wide Body, Double Point Contact	
Dip Solder/Wire Wrap/Right Angle/Card Extender	60
125" [3.18 mm] Contact Centers	
.431" [10.95 mm] Profile, Dip Solder/Eyelet/Right Angle for .062" [1.57 mm] or .031" [0.79 mm] Mating PCE	3 62
.610" [15.49 mm] Profile, Dip Solder/Wire Wrap/Right Angle	
.610" [15.49 mm] Profile, Dip Solder/Wire Wrap/Right Angle	
for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB	66
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.550" [13.97 mm] Profile, Dip Solder/Wire Wrap	68
156" [3.96 mm] Contact Centers	
.431" [10.95 mm] Profile, Dip Solder/Eyelet/Right Angle	70
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Dunga F!4	
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.156" [3.96 mm] Contact Centers, .550" [13.97 mm] or .610" [15.49 mm] Profile	82





Sullins Headers

1.00 mm [.039"] Contact Centers	
Male Headers, Straight/Right Angle/SMT	
Female Headers, Straight/SMT	
Male Shrouded Box Headers, Straight/SMT	88
.050" [1.27 mm] Contact Centers	
Male Headers, Straight/Right Angle/SMT	90
Female Headers, Straight/Right Angle/SMT	
Female Headers, Top/Bottom Entry SMT	94
Male Shrouded Box Headers, Straight/Right Angle/SMT	
Female Headers, SMT with Posts	
Male Shrouded Box Headers, Straight/Right Angle/SMT, .100" [2.54 mm] Row Spacing	
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IDC Socket	107
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Female Headers, Straight/Right Angle/SMT	114
Female Headers, Top/Bottom Entry SMT	116
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Sullins Wafers	
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SWT204, SWH204, SWR204 Series, Crimp Terminal, Housing, Straight/Right Angle	130 - 133
.100" [2.54 mm] Contact Centers	
SWT25X, SWH25X, SWR25X Series, Crimp Terminal, Housing, Straight/Right Angle	134 - 137





Micro Plastics	Brand	Card	Edge
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Female Card Edge, .100" [2.54 mm] Contact Centers	
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.431" [10.95 mm] Profile, Card Extender	142
.431" [10.95 mm] Profile, Eyelet	144
.610" [15.49 mm] Profile, Wire Wrap & Dip Solder	146
.550" [13.97 mm] Profile, .025" [0.64 mm] Square Card Extender	148
.610" [15.49 mm] Profile, Right Angle	150
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Female Card Edge, .125" [3.18 mm] Contact Centers	
.431" [10.95 mm] Profile, Dip Solder	
.431" [10.95 mm] Profile, Card Extender	
.431" [10.95 mm] Profile, Eyelet	
.610" [15.49 mm] Profile, Wire Wrap & Dip Solder	
.550" [13.97 mm] Profile, .025" [0.64 mm] Square Card Extender	
.610" [15.49 mm] Profile, Right Angle	164
Female Card Edge, .150" [3.81 mm] Contact Centers	
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Female Card Edge, .156" [3.96 mm] Contact Centers	
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.431" [10.95 mm] Profile, Card Extender	
.431" [10.95 mm] Profile, Eyelet	
.610" [15.49 mm] Profile, Wire Wrap & Dip Solder	
.550" [13.97 mm] Profile, .025" [0.64 mm] Square Card Extender	
.610" [15.49 mm] Profile, Right Angle	
.720" [18.29 mm] Profile, .045" [1.14 mm] Square Wire Wrap	180
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SULLINS

GENERAL SPECIFICATIONS

RoHS COMPLIANT



All parts are currently manufactured with recommended materials to meet RoHS standards. All contacts have 50u" of nickel underplate, and a large selection of plating options: Pure tin matte, overall gold, or selective gold plating. For operating/processing temperature parameters, visit the RoHS section of our website, or refer to page 7 of this catalog.

MATERIALS (Consult factory for materials not shown.)

Insulator

- PBT, Valox*, Thermoplastic Polyester
- PPS, Ryton*, Polyphenylene Sulfide
- PEEK, Polyetheretherketone
- PA9T, High Temperature Polyamide

Contacts

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

Plating

Plating is Lead Free with Nickel Underplate, offered in Gold (Selective or Overall) and Pure Tin Overall.

UL/CUL File Number: E64287

CAGE CODE: 54453

ECCN: EAR99

INTERNATIONAL HARMONIZED CODE: 8536.69.4040

MECHANICAL

Board Insertion Force: 16 oz maximum per contact pair using .062" [1.57 mm] thick steel test blade. **Board Withdrawal Force**: 1 oz minimum per contact pair using .062" [1.57 mm] thick steel test blade.

Special Insertion/Withdrawal forces available upon request.

ELECTRICAL

Insulation Resistance: 5,000 Megohms

Contact Centers: .039" [1 mm] .050" [1.27 mm] .100" [2.54 mm] .125" [3.18 mm] .150" [3.81 mm] .156" [3.96 mm]

 Operating Voltage:
 225 VAC
 300 VAC
 700 VAC
 750 VAC
 850 VAC
 950 VAC

DWV: 675 VAC 900 VAC 2100 VAC 2250 VAC 2550 VAC 2850 VAC

Current Rating: 1 to 5 Amp per contact

Contact Resistance: 30 milli Ohms maximum at rated current (May vary per product series***)

ENVIRONMENTAL

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

Operating Temperature: PBT -65°C to +130°C Phosphor Bronze -65°C to +125°C

 PPS
 -65°C to +200/220°C***
 Beryllium Copper
 -65°C to +150°C

 PA9T
 -65°C to +150°C
 Spinodal**
 -65°C to +200°C

 PEEK
 -65°C to +250°C***
 Beryllium Nickel***
 -65°C to +300°C

(Continuous temperatures, higher for short duration. Contact factory for details.)

^{*} Or equivalent

^{**} Consult factory for special soldering guidelines.

^{***} Consult factory for more details.





PART NUMBER OPTIONS

E B M 43 D RT H - Sxxx

MATERIALS (Insulator/Contact) E = PBT & Phosphor Bronze Operating Temperature: -65°C To +125°C Processing Temperature: Wave only R = PPS & Phosphor Bronze Operating Temperature: -65°C To +125°C

Processing Temperature: 260°C Max. For 20 Sec. G = PA9T & Phosphor Bronze

Operating Temperature: -65°C To +125°C Processing Temperature: 260°C Max. For 20 Sec.

H = PBT & Beryllium Copper Operating Temperature: -65°C To +125°C Processing Temperature: Wave only

A = PPS & Beryllium Copper Operating Temperature: -65°C To +150°C Processing Temperature: 260°C Max. For 20 Sec.

J = PA9T & Beryllium Copper Operating Temperature: -65°C To +150°C Processing Temperature: 260°C Max. For 20 Sec. M = White PA9T & Beryllium Copper

Operating Temperature: -65°C To +150°C Processing Temperature: 260°C Max. For 20 Sec.

T = PPS & Beryllium Copper (Special, Consult Factory) Operating Temperature: -65°C To +175°C Processing Temperature: 260°C Max. For 20 Sec.

*F = PPS & Spinodal** (Consult Factory) Operating Temperature: -65°C To +200°C

*C = PPS & Bervllium Nickel (Consult Factory) Operating Temperature: -65°C To +200°C Processing Temperature: 260°C Max. For 20 Sec.

W = PEEK & Beryllium Nickel (Consult Factory) Operating Temperature: -65°C To +250°C Processing Temperature: 260°C Max. For 20 Sec. (Available with 'M' plating only.)

*Available with overall gold plating (S or M) only. **Consult factory for special soldering guidelines.

CONTACT FINISH - RoHS Compliant

Contact Surface

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

Termination

Contact Surface	remination
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
Overall Tin only available in	n E, R & G material codes

CONTACT CENTERS-

E = 1.00 mm [.039"]	C = .100" [2.54 mm]
B = .050" [1.27 mm]	A = .125" [3.18 mm]
K = .078" [1.98 mm]	J = .150" [3.81 mm]
*N = .079" [2.00 mm]	M = .156" [3.96 mm]
*Consult factory.	

NUMBER OF CONTACT POSITIONS

See applicable specification page

READOUT-

D = Dual

D = Dual Row/ Crimp to Center for Single Readout

F = Dual Edge H = Half Loaded M = Male Card Edge

Registered Trademarks

Sabic Innovative Plastics: Valox Phillips 66: Ryton

Gardner-Denver Co.: Wire Wrap RTP Compounder: PEEK

Sullins Electronics: Zero Lead Time Sullins Electronics: Sullins Underwriters Labs: UL Ametek: Spinodal

-MODIFICATION CODE (Consult Factory) OMIT FOR STANDARD

MOUNTING STYLE

H = Clearance Holes, .125" [3.18 mm] Diameter N = No Mounting

S = Side Mounting, .125" [3.18 mm] Diameter

I = #4-40 Threaded Insert

A = #4-40 Threaded Insert in Side Holes

F = Floating Bobbin
W = .430" Ears, Flush Mounting, .125" [3.18 mm] Diameter
D = .250" Ears, Flush Mounting, .125" [3.18 mm] Diameter
P = Clearance Holes, .142" [3.61 mm] Diameter

B = Open Card Slot

X = .430" Ears, Flush Mounting, #4-40 Threaded Insert T = .250" Ears, Flush Mounting, #4-40 Threaded Insert V = .250" Ears, Flush, Side Mounting, #4-40 Threaded Insert Q = Straddle Mount

Z = .250" Ears, Flush, Side Mounting, .125" [3.18 mm] Diameter

R = Metal Board Lock

TERMINATION TYPE

Card Extender

HR = .050" & 1 mm Contact Centers KR, KN, PN, PR = .025'' [0.64 mm] Square Post

Dip Solder - High Profile

RS = .025" [0.64 mm] Square Tail, Loop Bellows CS, PD, PF, PS, SC = .025" [0.64 mm] Square Tail, Hairpin Bellows CK, TK = .025" [0.64 mm] Round Tail, Loop Bellows

CT, CW = .015'' [0.38] X .025'' [0.64] Tail, Hairpin Bellows

HH = .050" & 1 mm[.039"] Contact Centers

HL, HN = .050" Contact Centers

KS, KD = .025" [0.64 mm] Square Post, Cantilever

Dip Solder - Low Profile

SX, SU = Crimp to Center for Single Readout RT, RK, RY = .140" [3.56 mm] Row Spacing RX, RF, RU, RP = .200" [5.08 mm] Row Spacing RJ = .250'' [6.35 mm] Row Spacing

Eyelet

RE, TE, SE = Eyelet Tail

Press Fit

.100"[2.54 mm] Row Spacing .200"[5.08 mm] Row Spacing JB = .025'' [0.64 mm] Sq. Post JF = .025'' [0.64 mm] Sq. PostJC = .025'' [0.64 mm] Sq. Post JG = .025'' [0.64 mm] Sq. PostJW = .025'' [0.64 mm] Sq. PostJY = .025'' [0.64 mm] Sq. PostJX = .025'' [0.64 mm] Sq. PostJZ = .025'' [0.64 mm] Sq. PostRight Angle **Cantilever** TA, TB, TM = Loop Bellows ET, EY = .100'' CC Low Profile

CA, CB, CC, PU = Hairpin YH = .050" CC Thru Hole PB, PG, PE, PJ, PP = Hairpin YR = .050" CC Card Extender KA, KE, KU, KJ = Cantilever YF = .050" CC SMT YY = .050" CC Right Angle HA, HB = .050'' & 1 mm CCRA, SA = Full BellowsYS = .050" CC Thru Hole

Surface Mount

HF = Surface Mount, .050" & 1mm Contact Centers

Wire Wrap

RM = .025'' [0.64 mm] Square Post, Loop Bellows CM, MC, PM = .025'' [0.64 mm] Square Post, Hairpin Bellows $KK = .031'' [0.79 \text{ mm}] \times .062'' [1.58 \text{ mm}] \text{ Post}$

KL = .031" [0.79 mm] X .062" [1.58 mm] Post Twisted 90° KM = .025" [0.64 mm] Square Post, Cantilever

WW = .045'' [1.14 mm] Square Post

Dual Edge Bi-Level SL = Dual Edge LR = Card Extender LT = Dip Solder

Male Card Edge KB = Right Angle MW, MS = Dip Solder

MR, MN = Card ExtenderMM = Wire Wrap

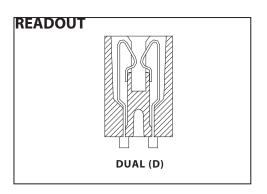
MA, MD, MJ, MK, MV, & MB = Right Angle

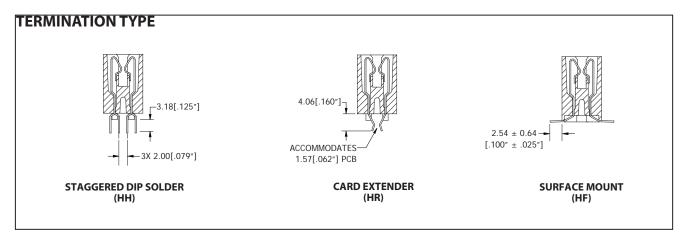


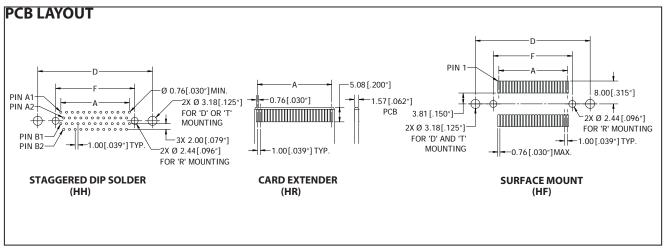
SULLINS

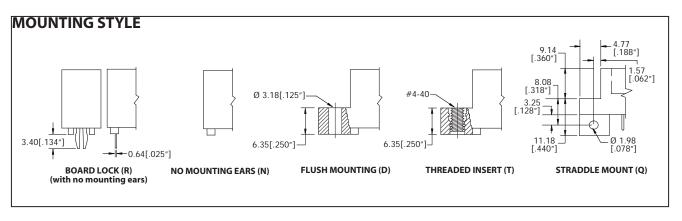
1.00 mm [.039"] Contact Centers, 15.49 mm [.610"] Insulator Height, Dip Solder/Card Extender/SMT

- Accommodates 1.57 mm ± 0.20 mm [.062" ± .008"] PC board
- · PPS or PA9T insulator
- · Molded-in key available
- 1 Amp current rating per contact for contacts fully energized
- · Highly reliable high cycle hairpin bellow contacts
- · UL Flammability Rating: 94V-0





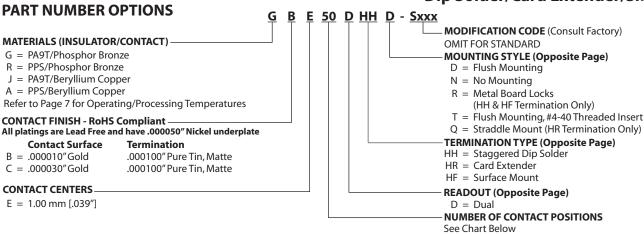


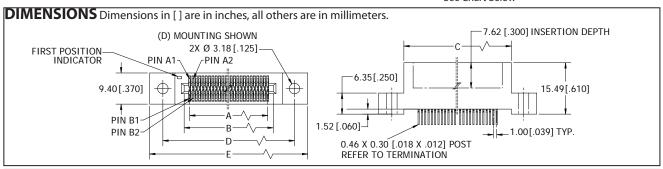




1.00 mm [.039"] Contact Centers, 15.49 mm [.610"] Insulator Height, Dip Solder/Card Extender/SMT







POSITIONS/			MILLIN	IETERS			INCHES					
CONTACTS	A±0.13	B±0.13	C±0.38	D±0.25	E±0.51	F±0.25	A±.005	B±.005	C±.015	D±.010	E±.020	F±.010
02/04*	1.00	4.32	9.89	17.15	25.13	4.66	0.039	0.170	0.389	0.675	0.989	0.183
03/06*	2.00	5.32	10.89	18.15	26.13	5.66	0.079	0.210	0.429	0.715	1.029	0.223
04/08*	3.00	6.32	11.89	19.15	27.13	6.66	0.118	0.249	0.468	0.754	1.068	0.262
05/10	4.00	7.32	12.89	20.15	28.13	7.66	0.157	0.288	0.507	0.793	1.107	0.301
06/12*	5.00	8.32	13.89	21.15	29.13	8.66	0.197	0.328	0.547	0.833	1.147	0.341
07/14*	6.00	9.32	14.89	22.15	30.13	9.66	0.236	0.367	0.586	0.872	1.186	0.380
08/16*	7.00	10.32	15.89	23.15	31.13	10.66	0.276	0.407	0.626	0.912	1.226	0.420
09/18*	8.00	11.32	16.89	24.15	32.13	11.66	0.315	0.446	0.665	0.951	1.265	0.459
10/20	9.00	12.32	17.89	25.15	33.13	12.66	0.354	0.485	0.704	0.990	1.304	0.498
11/22*	10.00	13.32	18.89	26.15	34.13	13.66	0.394	0.525	0.744	1.030	1.344	0.538
12/24	11.00	14.32	19.89	27.15	35.13	14.66	0.433	0.564	0.783	1.069	1.383	0.577
13/26*	12.00	15.32	20.89	28.15	36.13	15.66	0.472	0.603	0.822	1.108	1.422	0.616
14/28*	13.00	16.32	21.89	29.15	37.13	16.66	0.512	0.643	0.862	1.148	1.462	0.656
15/30	14.00	17.32	22.89	30.15	38.13	17.66	0.551	0.682	0.901	1.187	1.501	0.695
16/32	15.00	18.32	23.89	31.15	39.13	18.66	0.591	0.722	0.941	1.227	1.541	0.735
17/34*	16.00	19.32	24.89	32.15	40.13	19.66	0.630	0.761	0.980	1.266	1.580	0.774
18/36*	17.00	20.32	25.89	33.15	41.13	20.66	0.669	0.800	1.019	1.305	1.619	0.813
19/38*	18.00	21.32	26.89	34.15	42.13	21.66	0.709	0.840	1.059	1.345	1.659	0.853
20/40	19.00	22.32	27.89	35.15	43.13	22.66	0.748	0.879	1.098	1.384	1.698	0.892
21/42*	20.00	23.32	28.89	36.15	44.13	23.66	0.787	0.918	1.137	1.423	1.737	0.931
22/44*	21.00	24.32	29.89	37.15	45.13	24.66	0.827	0.958	1.177	1.463	1.777	0.971
23/46*	22.00	25.32	30.89	38.15	46.13	25.66	0.866	0.997	1.216	1.502	1.816	1.010
24/48*	23.00	26.32	31.89	39.15	47.13	26.66	0.906	1.037	1.256	1.542	1.856	1.050
25/50	24.00	27.32	32.89	40.15	48.13	27.66	0.945	1.076	1.295	1.581	1.895	1.089
26/52*	25.00	28.32	33.89	41.15	49.13	28.66	0.984	1.115	1.334	1.620	1.934	1.128
27/54*	26.00	29.32	34.89	42.15	50.13	29.66	1.024	1.155	1.374	1.660	1.974	1.168
28/56*	27.00	30.32	35.89	43.15	51.13	30.66	1.063	1.194	1.413	1.699	2.013	1.207
29/58*	28.00	31.32	36.89	44.15	52.13	31.66	1.102	1.233	1.452	1.738	2.052	1.246
30/60	29.00	32.32	37.89	45.15	53.13	32.66	1.142	1.273	1.492	1.778	2.092	1.286
31/62*	30.00	33.32	38.89	46.15	54.13	33.66	1.181	1.312	1.531	1.817	2.131	1.325
32/64*	31.00	34.32	39.89	47.15	55.13	34.66	1.220	1.351	1.570	1.856	2.170	1.364
33/66*	32.00	35.32	40.89	48.15	56.13	35.66	1.260	1.391	1.610	1.896	2.210	1.404
34/68*	33.00	36.32	41.89	49.15	57.13	36.66	1.299	1.430	1.649	1.935	2.249	1.443
35/70	34.00	37.32	42.89	50.15	58.13	37.66	1.339	1.470	1.689	1.975	2.289	1.483
36/72*	35.00	38.32	43.89	51.15	59.13	38.66	1.378	1.509	1.728	2.014	2.328	1.522
37/74*	36.00	39.32	44.89	52.15	60.13	39.66	1.417	1.548	1.767	2.053	2.367	1.561
38/76*	37.00	40.32	45.89	53.15	61.13	40.66	1.457	1.588	1.807	2.093	2.407	1.601
39/78*	38.00	41.32	46.89	54.15	62.13	41.66	1.496	1.627	1.846	2.132	2.446	1.640
40/80	39.00	42.32	47.89	55.15	63.13	42.66	1.535	1.666	1.885	2.171	2.485	1.679
41/82*	40.00	43.32	48.89	56.15	64.13	43.66	1.575	1.706	1.925	2.211	2.525	1.719
42/84*	41.00	44.32	49.89	57.15	65.13	44.66	1.614	1.745	1.964	2.250	2.564	1.758
43/86*	42.00	45.32	50.89	58.15	66.13	45.66	1.654	1.785	2.004	2.290	2.604	1.798
44/88*	43.00	46.32	51.89	59.15	67.13	46.66	1.693	1.824	2.043	2.329	2.643	1.837
45/90	44.00	47.32	52.89	60.15	68.13	47.66	1.732	1.863	2.082	2.368	2.682	1.876
46/92*	45.00	48.32	53.89	61.15	69.13	48.66	1.772	1.903	2.122	2.408	2.722	1.916
47/94*	46.00	49.32	54.89	62.15	70.13	49.66	1.811	1.942	2.161	2.447	2.761	1.955
48/96*	47.00	50.32	55.89	63.15	71.13	50.66	1.850	1.981	2.200	2.486	2.800	1.994
49/98*	48.00	51.32	56.89	64.15	72.13	51.66	1.890	2.021	2.240	2.526	2.840	2.034
50/100	49.00	52.32	57.89	65.15	73.13	52.66	1.929	2.060	2.279	2.565	2.879	2.073
Consult factor	t for avails	hility										

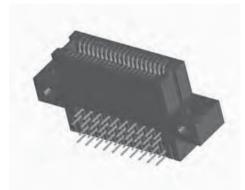
* Consult factory for availability.

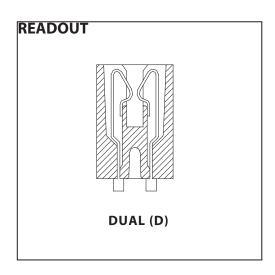
Sullins High Density

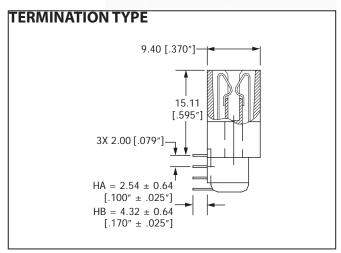


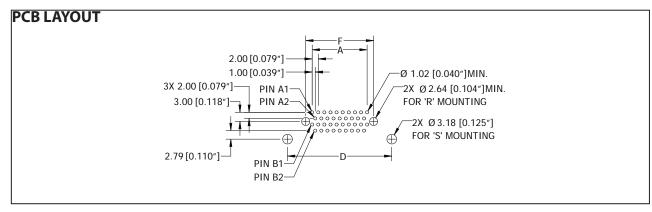
High Density Card Edge 1.00 mm [.039"] Contact Centers, 21.84 mm [.860"] Insulator Height, **Right Angle**

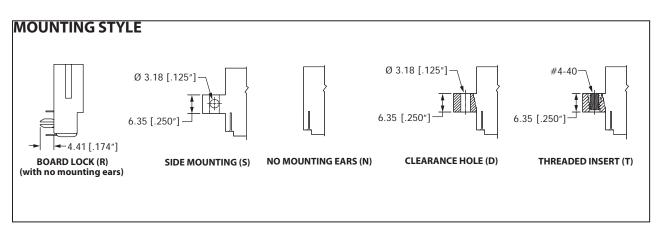
- Accommodates 1.57 mm ± 0.20 mm [.062" ± .008"] PC board
- PA9T or PPS insulator
- Molded-in key available
- · High reliability/high cycle hairpin bellow contacts
- · 1 Amp current rating per contact for contacts fully energized
- 150 grams normal force minimum
- · UL Flammability Rating: 94V-0







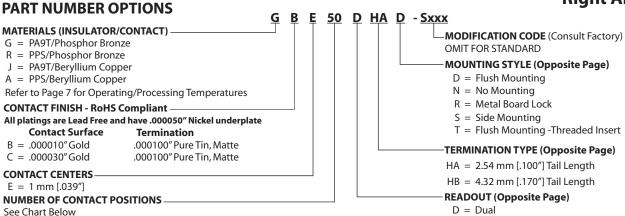


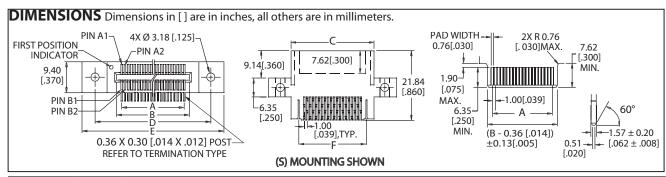




1.00 mm [.039"] Contact Centers, 21.84 mm [.860"] Insulator Height, Right Angle







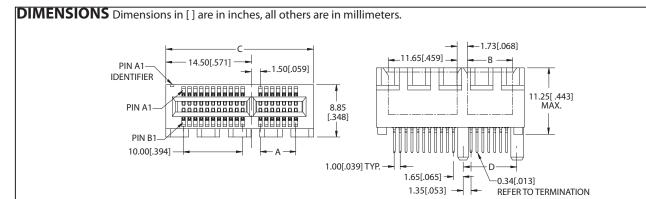
POSITIONS/			MILLIN	METERS		INCHES						
CONTACTS	A±0.13	B±0.13	C±0.38	D±0.25	E±0.51	F±0.25	A±.005	B±.005	C±.015	D±.010	E±.020	F±.010
02/04*	1.00	4.32	9.89	17.15	25.13	5.25	0.039	0.170	0.389	0.675	0.989	0.207
03/06*	2.00	5.32	10.89	18.15	26.13	6.25	0.079	0.210	0.429	0.715	1.029	0.246
04/08*	3.00	6.32	11.89	19.15	27.13	7.25	0.118	0.249	0.468	0.754	1.068	0.285
05/10	4.00	7.32	12.89	20.15	28.13	8.25	0.157	0.288	0.507	0.793	1.107	0.325
06/12*	5.00	8.32	13.89	21.15	29.13	9.25	0.197	0.328	0.547	0.833	1.147	0.364
07/14*	6.00	9.32	14.89	22.15	30.13	10.25	0.236	0.367	0.586	0.872	1.186	0.404
08/16*	7.00	10.32	15.89	23.15	31.13	11.25	0.276	0.407	0.626	0.912	1.226	0.443
09/18*	8.00	11.32	16.89	24.15	32.13	12.25	0.315	0.446	0.665	0.951	1.265	0.482
10/20	9.00	12.32	17.89	25.15	33.13	13.25	0.354	0.485	0.704	0.990	1.304	0.522
11/22* 12/24	10.00	13.32	18.89	26.15	34.13	14.25	0.394	0.525	0.744	1.030	1.344	0.561
12/24	11.00	14.32	19.89	27.15	35.13	15.25	0.433	0.564	0.783	1.069	1.383	0.600
13/26*	12.00	15.32	20.89	28.15	36.13	16.25	0.472	0.603	0.822	1.108	1.422	0.640
14/28*	13.00	16.32	21.89	29.15	37.13	17.25	0.512	0.643	0.862	1.148	1.462	0.679
15/30 16/32	14.00	17.32	22.89	30.15	38.13	18.25	0.551	0.682	0.901	1.187	1.501	0.719 0.758
10/32	15.00	18.32	23.89	31.15	39.13	19.25	0.591	0.722	0.941	1.227	1.541	0.758
17/34*	16.00	19.32	24.89	32.15	40.13	20.25	0.630	0.761	0.980	1.266	1.580	0.797
18/36* 19/38*	17.00 18.00	20.32 21.32	25.89 26.89	33.15 34.15	41.13 42.13	21.25 22.25	0.669 0.709	0.800 0.840	1.019 1.059	1.305 1.345	1.619 1.659	0.837 0.876
20/40	19.00	22.32	27.89	35.15	43.13	23.25	0.709	0.879	1.039	1.343	1.698	0.070
21/42*	20.00	23.32	28.89	36.15	44.13	24.25	0.748	0.879	1.137	1.423	1.737	0.915 0.955
22/44*	21.00	24.32	29.89	37.15	45.13	25.25	0.787	0.958	1.177	1.423	1.777	0.933
23/46*	22.00	25.32	30.89	38.15	46.13	26.25	0.866	0.936	1.177	1.502	1.816	0.994 1.033
24/48*	23.00	26.32	31.89	39.15	47.13	27.25	0.906	1.037	1.256	1.542	1.856	1.073
25/50	24.00	27.32	32.89	40.15	48.13	28.25	0.945	1.076	1.295	1.581	1.895	1.112
26/52*	25.00	28.32	33.89	41.15	49.13	29.25	0.984	1.115	1.334	1.620	1.934	1 152
27/54*	26.00	29.32	34.89	42.15	50.13	30.25	1.024	1.155	1.374	1.660	1.974	1.152 1.191
28/56*	27.00	30.32	35.89	43.15	51.13	31.25	1.063	1.194	1.413	1.699	2.013	1.230
29/58*	28.00	31.32	36.89	44.15	52.13	32.25	1.102	1.233	1.452	1.738	2.052	1.270
29/58* 30/60	29.00	32.32	37.89	45.15	53.13	33.25	1.142	1.233 1.273	1.492	1.778	2.092	1.270 1.309
31/62*	30.00	33.32	38.89	46.15	54.13	34.25	1.181	1.312	1.531	1.817	2.131	1.348
32/64*	31.00	34.32	39.89	47.15	55.13	35.25	1.220	1.351	1.570	1.856	2.170	1.388
33/66*	32.00	35.32	40.89	48.15	56.13	36.25	1.260	1.391	1.610	1.896	2.210	1.427
34/68*	33.00	36.32	41.89	49.15	57.13	37.25	1.299	1.430	1.649	1.935	2.249	1.467
35/70	34.00	37.32	42.89	50.15	58.13	38.25	1.339	1.470	1.689	1.975	2.289	1.506
36/72*	35.00	38.32	43.89	51.15	59.13	39.25	1.378	1.509	1.728	2.014	2.328	1.545 1.585
37/74*	36.00	39.32	44.89	52.15	60.13	40.25	1.417	1.548	1.767	2.053	2.367	1.585
38/76*	37.00	40.32	45.89	53.15	61.13	41.25	1.457	1.588	1.807	2.093	2.407	1.624
39/78*	38.00	41.32	46.89	54.15	62.13	42.25	1.496	1.627	1.846	2.132	2.446	1.663
40/80	39.00	42.32	47.89	55.15	63.13	43.25	1.535	1.666	1.885	2.171	2.485	1.703 1.742
41/82*	40.00	43.32	48.89	56.15	64.13	44.25	1.575	1.706	1.925	2.211	2.525	1.742
42/84*	41.00	44.32	49.89	57.15	65.13	45.25	1.614	1.745	1.964	2.250	2.564	1.781
43/86*	42.00	45.32	50.89	58.15	66.13	46.25	1.654	1.785	2.004	2.290	2.604	1.821
44/88*	43.00	46.32	51.89	59.15	67.13	47.25	1.693	1.824	2.043	2.329	2.643	1.860
45/90	44.00	47.32	52.89	60.15	68.13	48.25	1.732	1.863	2.082	2.368	2.682	1.900
46/92*	45.00 46.00	48.32	53.89	61.15	69.13	49.25	1.772	1.903	2.122	2.408	2.722	1.939
47/94* 48/96*	46.00	49.32 50.32	54.89 55.89	62.15 63.15	70.13 71.13	50.25 51.25	1.811 1.850	1.942 1.981	2.161 2.200	2.447 2.486	2.761 2.800	1.978 2.018
49/98*	48.00	51.32	56.89	64.15	72.13	52.25	1.890	2.021	2.240	2.486	2.840	2.018
50/100	49.00	52.32	57.89	65.15	73.13	53.25	1.890	2.021	2.240	2.526	2.840	2.057
50/100			37.89	05.15	/3.13	33.23	1.929	2.000	2.279	2.303	2.879	2.090

* Consult factory for availability.



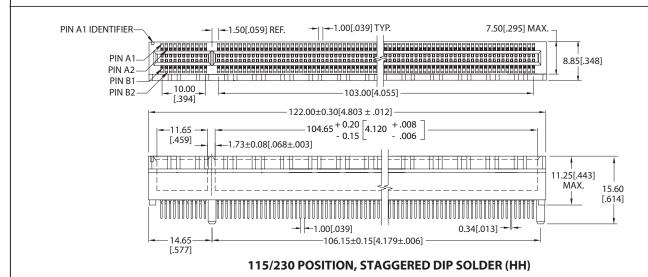
SULLINS

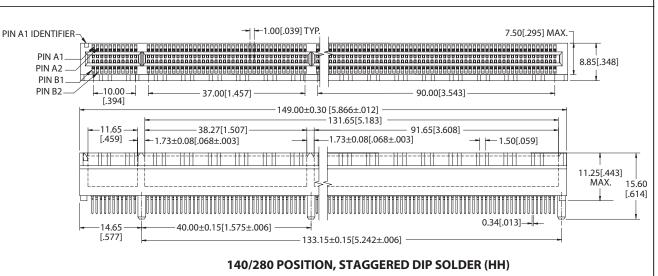
1.00 mm [.039"] Contact Centers, PCI Express, Dip Solder



18/36. 32/64. 49/98. 82/164 POSITION. STAGGERED DIP SOLDER (HH)

POSITIONS/		MILLIMET	ERS		INCHES				
CONTACTS A±0.15		B+0.20/-0.15	C±0.30	D±0.10	A±0.006	B+0.008/-0.006	C±0.012	D±0.004	
18/36	6.00	7.65	25.00	9.15	0.236	0.301	0.984	0.360	
32/64	20.00	21.65	39.00	23.15	0.787	0.852	1.535	0.911	
49/98	37.00	38.65	56.00	40.15	1.457	1.522	2.205	1.581	
82/164	70.00	71.65	89.00	73.15	2.756	2.821	3.504	2.880	



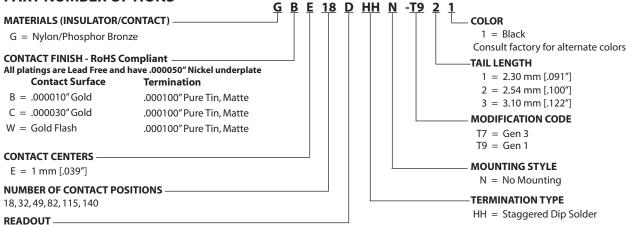




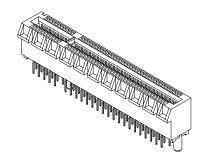
High Density Card Edge 1.00 mm [.039"] Contact Centers, PCI Express,







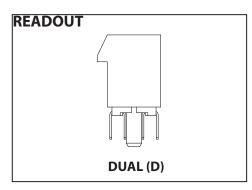
Operating & Processing Temperature: Consult Factory

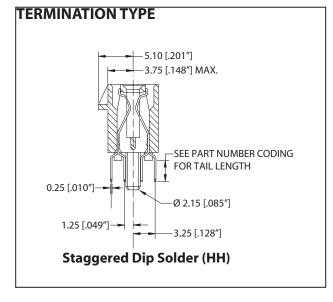


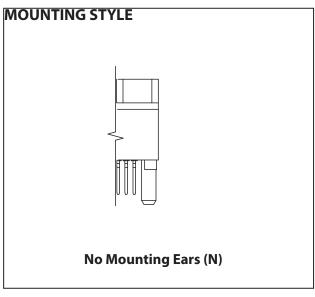
SPECIFICATIONS

D = Dual

- All PCI Express parts meet the latest PCI Express specifications
- Supports 2.5 GT/s, 5.0 GT/s or 8.0 GT/s Data Transfer Rate (per pair data bandwidth)
- Accommodates 1.57 mm [.062"] PC board
- 1.1 Amp current rating per contact
- UL Flammability Rating: 94V-0



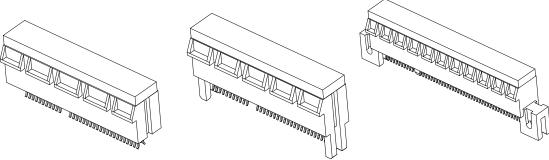


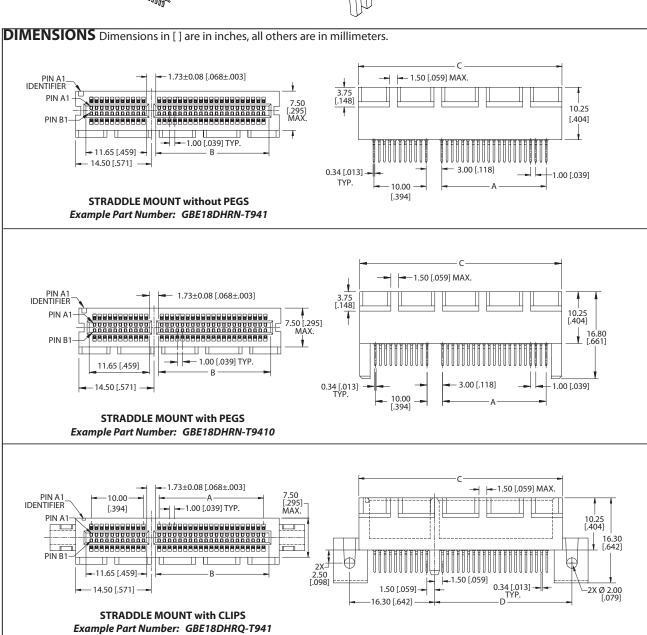






High Density Card Edge 1.00 mm [.039"] Contact Centers, PCI Express, **Card Extender for Straddle Mount**





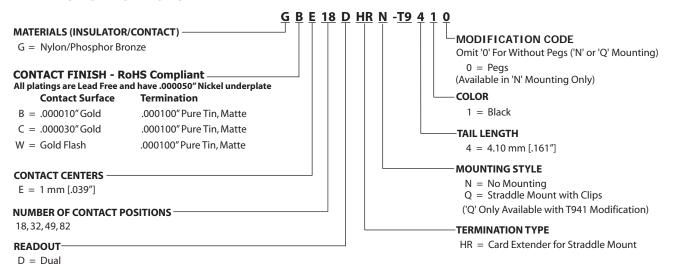
POSITIONS/		MILLIM	IETERS		INCHES				
CONTACTS	Α	A B		D	Α	В	С	D	
18/36	6.00	7.65	25.00	12.30	0.236	0.301	0.984	0.484	
32/64	20.00	21.65	39.00	26.30	0.787	0.852	1.535	1.035	
49/98	37.00	38.65	56.00	43.30	1.457	1.522	2.205	1.705	
82/164	70.00	71.65	89.00	76.30	2.756	2.821	3.504	3.004	



1.00 mm [.039"] Contact Centers, PCI Express,

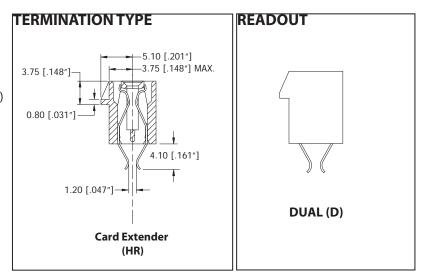


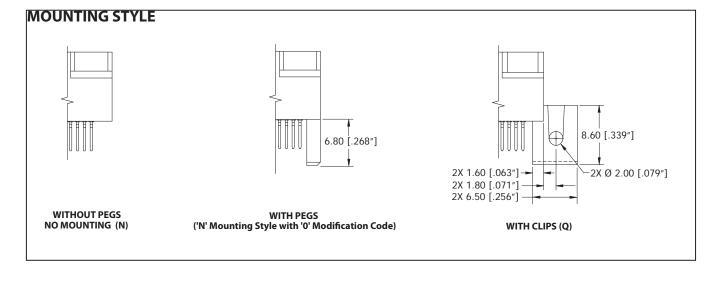
PART NUMBER OPTIONS



Operating & Processing Temperature: Consult Factory

- All PCI Express parts meet the latest **PCI Express specifications**
- Supports 2.5 GT/s, 5.0 GT/s or 8.0 GT/s Data Transfer Rate (per pair data bandwidth)
- Accommodates 1.57 mm [.062"] PC board
- 1.1 Amp current rating per contact
- · UL Flammability Rating: 94V-0



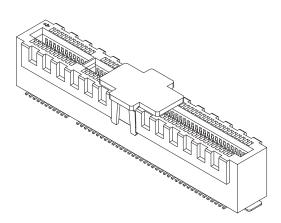


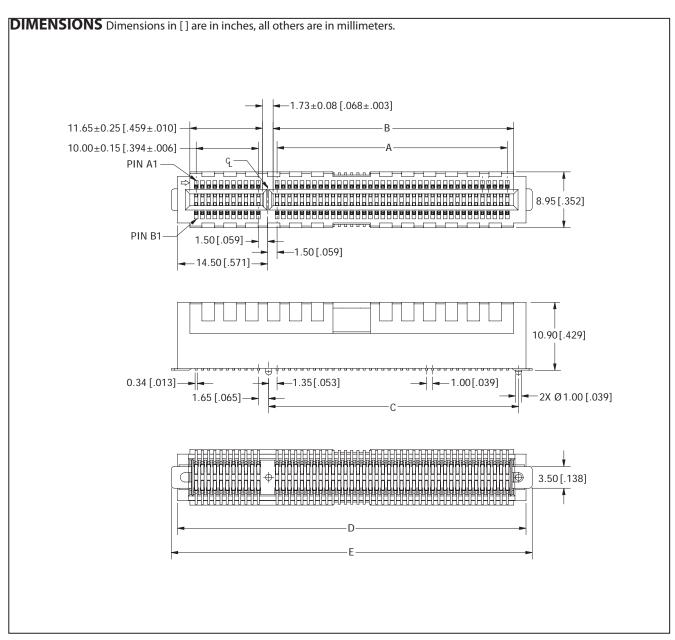


SULLINS

1.00 mm [.039"] Contact Centers, PCI Express, SMT with Posts

- All PCI Express parts meet the latest PCI Express specifications
- Supports 2.5 GT/s, 5.0 GT/s or 8.0 GT/s
 Data Transfer Rate (per pair data bandwidth)
- · Accommodates 1.57 mm [.062"] PC board
- 1.1 Amp current rating per contact
- · UL Flammability Rating: 94V-0



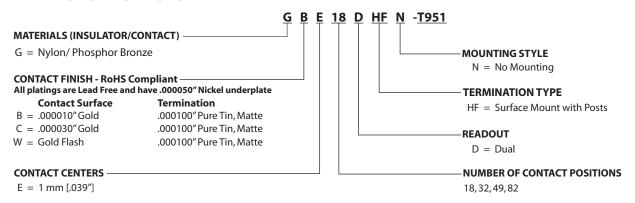




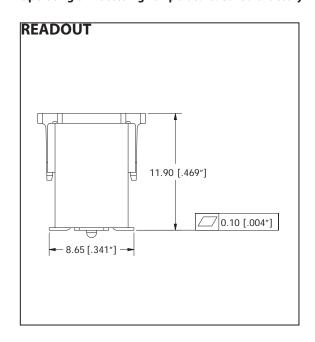
1.00 mm [.039"] Contact Centers, PCI Express, SMT with Posts

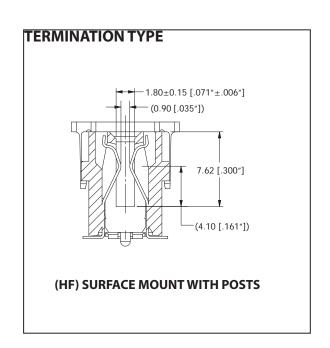


PART NUMBER OPTIONS



Operating & Processing Temperature: Consult Factory





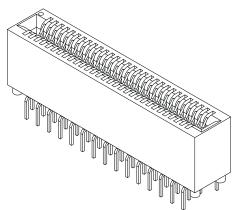
POSITIONS/		MILL	IMETERS			INCHES						
CONTACTS	A±0.15	B+0.20/-0.15	C±0.25	D±0.25	E±0.25	A±0.006"	B +.008/006"	C ±0.010"	D±0.010"	E±0.010"		
18/36	6.00	7.65	9.15	25.00	27.00	0.236	0.301	0.360	0.984	1.063		
32/64	20.00	21.65	23.15	39.00	41.00	0.787	0.852	0.911	1.535	1.614		
49/98	37.00	38.65	40.15	56.00	58.00	1.457	1.522	1.581	2.205	2.283		
82/164	70.00	71.65	73.15	89.00	91.00	2.756	2.821	2.880	3.504	3.583		

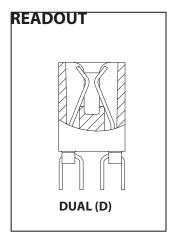
Sullins High Density

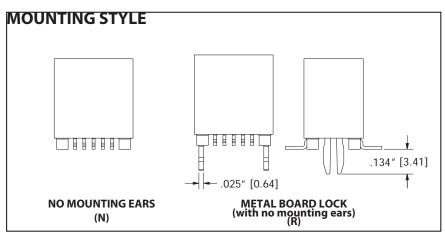


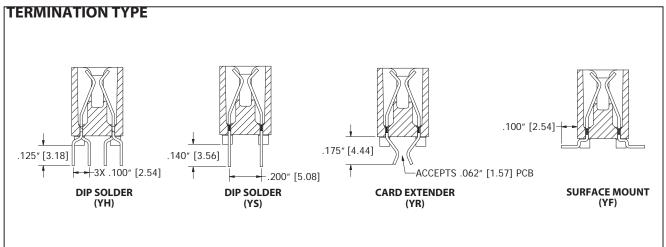
.050" [1.27 mm] Contact Centers, .488" [12.40 mm] Insulator Height, Ultra Thin, Dip Solder/Card Extender/SMT

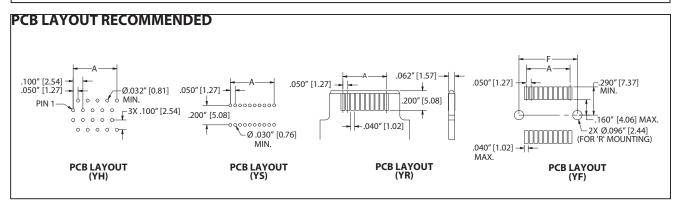
- Accommodates $.062'' \pm .008''$ [1.57 mm ± 0.20 mm] PC board
- · PPS or PA9T insulator
- · Contact Material: Phosphor Bronze, Beryllium Copper or Spinodal
- Molded-in key available
- 1 Amp current rating per contact for contacts fully energized
- · UL Flammability Rating: 94V-0
- Operating Temperature: -65°C up to +200°C









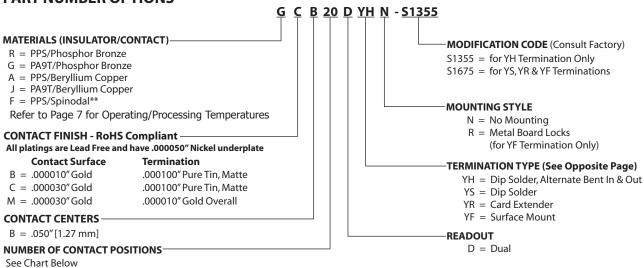




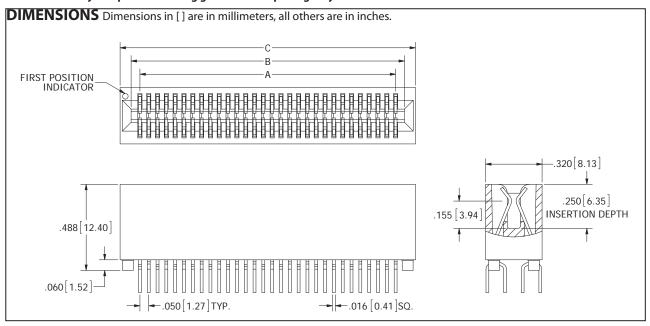
.050" [1.27 mm] Contact Centers, .488" [12.40 mm] Insulator Height, Ultra Thin, Dip Solder/Card Extender/SMT







**Consult factory for special soldering guidelines. 'M' plating only.



POSITIONS/		INC	HES		MILLIMETERS					
CONTACTS	A±.005	B±.005	C±.015	F±.010	A±0.13	B±0.13	C±0.38	F±0.25		
5/10	0.200	0.300	0.425	0.350	5.08	7.62	10.80	8.89		
6/12*	0.250	0.350	0.475	0.400	6.35	8.89	12.07	10.16		
10/20*	0.450	0.550	0.675	0.600	11.43	13.97	17.15	15.24		
15/30	0.700	0.800	0.925	0.850	17.78	20.32	23.50	21.59		
20/40	0.950	1.050	1.175	1.100	24.13	26.67	29.85	27.94		
25/50*	1.200	1.300	1.425	1.350	30.48	33.02	36.20	34.29		
30/60	1.450	1.550	1.675	1.600	36.83	39.37	42.55	40.64		
40/80	1.950	2.050	2.175	2.100	49.53	52.07	55.25	53.34		
50/100	2.450	2.550	2.675	2.600	62.23	64.77	67.95	66.04		
79/158	3.900	4.000	4.125	4.050	99.06	101.60	104.78	102.87		

^{*}Consult factory for availability.

Sullins High Density

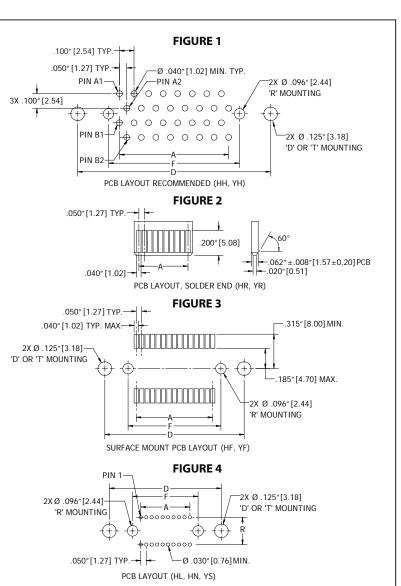


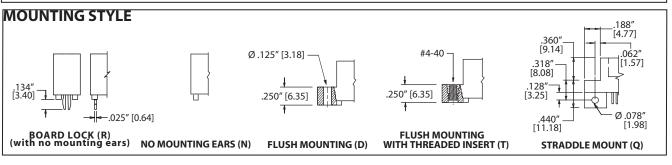
.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height,
Dip Solder/Card Extender/SMT for .031"[0.79 mm], .062"[1.57 mm] or .093"[2.36 mm] Mating PCB

- Accommodates .031" ± .006" [0.79 mm ± 0.15 mm], .062" ± .008" [1.57 mm ± 0.20 mm]
 or .093" ± .008" [2.36 mm ± 0.20 mm] mating PCB
- · PPS or PA9T insulator
- · Molded-in key available
- · High reliability/high cycle hairpin bellow & cantilever contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0
- Operating Temperature: -65°C up to +200°C



TERMINATION	TVDE		
IERMINATION	ITPE		
HAIR PIN POST .018" [0.46] X .012" [0.30]	(P/N CODE) TERMINATION LAYOUT	ROW SPACING ('R' DIM)	TAIL LENGTH ('L' DIM)
POST - POST	(HH) THRU HOLE STRAIGHT figure 1	3 X 0.100" [2.54]	0.125″ [3.18]
POST	(HR) CARD EXTENDER figure 2	ACCEPTS .062" [1.57] PCB	0.160″ [4.06]
L POST	(HF) SURFACE MOUNT figure 3	N/A	0.100″ [2.54]
L POST	(HL) THRU HOLE STRAIGHT figure 4	0.250″ [6.35]	0.160″ [4.06]
L POST	(HN) THRU HOLE STRAIGHT figure 4	0.100″ [2.54]	0.125″ [3.18]
CANTILEVER POST SIZE .016" [0.41] SQ.	(P/N CODE) TERMINATION LAYOUT	ROW SPACING ('R' DIM)	TAIL LENGTH ('L' DIM)
L POST	(YH) THRU HOLE STRAIGHT figure 1	3 X 0.100" [2.54]	0.125″ [3.18]
POST	(YR) CARD EXTENDER figure 2	ACCEPTS .062" [1.57] PCB	0.175″ [4.45]
L-I - POST	(YF) SURFACE MOUNT figure 3	N/A	0.100″ [2.54]
L POST	(YS) THRU HOLE STRAIGHT figure 4	0.200" [5.08]	0.140″ [3.56]

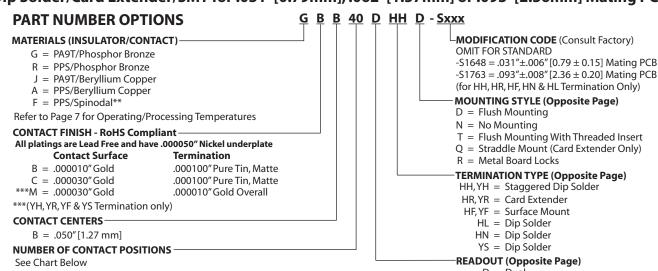




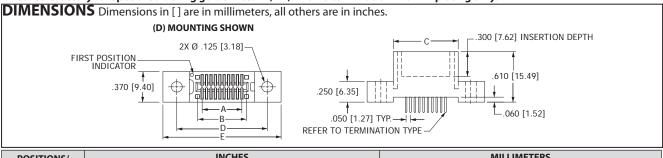


.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Card Extender/SMT for .031"[0.79mm], .062"[1.57mm] or .093"[2.36mm] Mating PCB





**Consult factory for special soldering guidelines. YH, YR, YF & YS termination with 'M' plating only.



POSITIONS/	INCHES						MILLIMETERS						
CONTACTS	A±.005	B±.005	C±.015	D±.010	E±.020	F±.010	A±0.13	B±0.13	C±0.38	D±0.25	E±0.51	F±0.25	
05/10	0.200	0.300	0.490	0.776	1.090	0.350	5.08	7.62	12.45	19.71	27.69	8.89	
06/12	0.250	0.350	0.540	0.826	1.140	0.400	6.35	8.89	13.72	20.98	28.96	10.16	
08/16	0.350	0.450	0.640	0.926	1.240	0.500	8.89	11.43	16.26	23.52	31.50	12.70	
09/18	0.400	0.500	0.690	0.976	1.290	0.550	10.16	12.70	17.53	24.79	32.77	13.97	
10/20	0.450	0.550	0.740	1.026	1.340	0.600	11.43	13.97	18.80	26.06	34.04	15.24	
13/26	0.600	0.700	0.890	1.176	1.490	0.750	15.24	17.78	22.61	29.87	37.85	19.05	
14/28	0.650	0.750	0.940	1.226	1.540	0.800	16.51	19.05	23.88	31.14	39.12	20.32	
15/30	0.700	0.800	0.990	1.276	1.590	0.850	17.78	20.32	25.15	32.41	40.39	21.59	
16/32	0.750	0.850	1.040	1.326	1.640	0.900	19.05	21.59	26.42	33.68	41.66	22.86	
20/40	0.950	1.050	1.240	1.526	1.840	1.100	24.13	26.67	31.50	38.76	46.74	27.94	
22/44	1.050	1.150	1.340	1.626	1.940	1.200	26.67	29.21	34.04	41.30	49.28	30.48	
24/48	1.150	1.250	1.440	1.726	2.040	1.300	29.21	31.75	36.58	43.84	51.82	33.02	
25/50	1.200	1.300	1.490	1.776	2.090	1.350	30.48	33.02	37.85	45.11	53.09	34.29	
28/56	1.350	1.450	1.640	1.926	2.240	1.500	34.29	36.83	41.66	48.92	56.90	38.10	
30/60	1.450	1.550	1.740	2.026	2.340	1.600	36.83	39.37	44.20	51.46	59.44	40.64	
34/68	1.650	1.750	1.940	2.226	2.540	1.800	41.91	44.45	49.28	56.54	64.52	45.72	
35/70	1.700	1.800	1.990	2.276	2.590	1.850	43.18	45.72	50.55	57.81	65.79	46.99	
40/80	1.950	2.050	2.240	2.526	2.840	2.100	49.53	52.07	56.90	64.16	72.14	53.34	
41/82*	2.000	2.100	2.290	2.576	2.890	2.150	50.80	53.34	58.17	65.43	73.41	54.61	
44/88	2.150	2.250	2.440	2.726	3.040	2.300	54.61	57.15	61.98	69.24	77.22	58.42	
45/90	2.200	2.300	2.490	2.776	3.090	2.350	55.88	58.42	63.25	70.51	78.49	59.69	
50/100	2.450	2.550	2.740	3.026	3.340	2.600	62.23	64.77	69.60	76.86	84.84	66.04	
55/110	2.700	2.800	2.990	3.276	3.590	2.850	68.58	71.12	75.95	83.21	91.19	72.39	
60/120	2.950	3.050	3.240	3.526	3.840	3.100	74.93	77.47	82.30	89.56	97.54	78.74	
62/124	3.050	3.150	3.340	3.626	3.940	3.200	77.47	80.01	84.84	92.10	100.08	81.28	
64/128	3.150	3.250	3.440	3.726	4.040	3.300	80.01	82.55	87.38	94.64	102.62	83.82	
65/130	3.200	3.300	3.490	3.776	4.090	3.350	81.28	83.82	88.65	95.91	103.89	85.09	
66/132	3.250	3.350	3.540	3.826	4.140	3.400	82.55	85.09	89.92	97.18	105.16	86.36	
70/140	3.450	3.550	3.740	4.026	4.340	3.600	87.63	90.17	95.00	102.26	110.24	91.44	
75/150	3.700	3.800	3.990	4.276	4.590	3.850	93.98	96.52	101.35	108.61	116.59	97.79	
80/160	3.950	4.050	4.240	4.526	4.840	4.100	100.33	102.87	107.70	114.96	122.94	104.14	
81/162	4.000	4.100	4.290	4.576	4.890	4.150	101.60	104.14	108.97	116.23	124.21	105.41	
85/170*	4.200	4.300	4.490	4.776	5.090	4.350	106.68	109.22	114.05	121.31	129.29	110.49	
90/180	4.450	4.550	4.740	5.026	5.340	4.600	113.03	115.57	120.40	127.66	135.64	116.84	
92/184*	4.550	4.650	4.840	5.126	5.440	4.700	115.57	118.11	122.94	130.20	138.18	119.38	
95/190	4.700	4.800	4.990	5.276	5.590	4.850	119.38	121.92	126.75	134.01	141.99	123.19	
96/192*	4.750	4.850	5.040	5.326	5.640	4.900	120.65	123.19	128.02	135.28	143.26	124.46	
100/200	4.950	5.050	5.240	5.526	5.840	5.100	125.73	128.27	133.10	140.36	148.34	129.54	
105/210	5.200	5.300	5.490	5.776	6.090	5.350	132.08	134.62	139.45	146.71	154.69	135.89	
106/212	5.250	5.350	5.540	5.826	6.140	5.400	133.35	135.89	140.72	147.98	155.96	137.16	
108/216*	5.350	5.450	5.640	5.926	6.240	5.500	135.89	138.43	143.26	150.52	158.50	139.70	
110/220	5.450	5.550	5.740	6.026	6.340	5.600	138.43	140.97	145.80	153.06	161.04	142.24	
120/240	5.950	6.050	6.240	'N' Moun	ting Only	6.100	151.13	153.67	158.50	'N' Moun	tina Only	154.94	

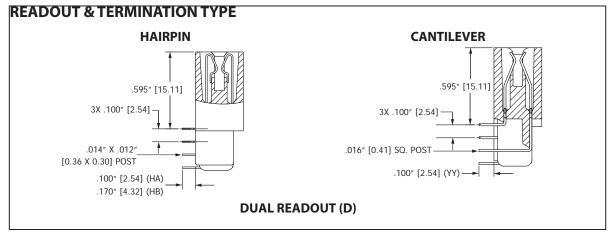


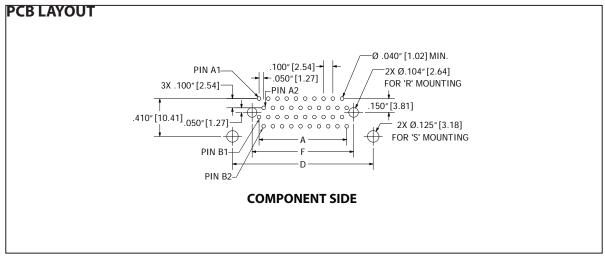


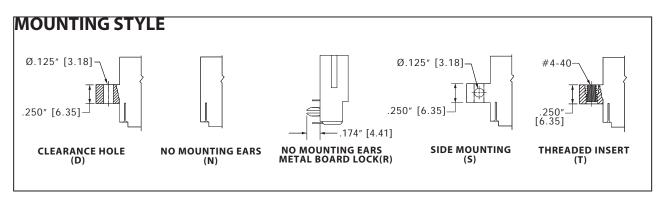
.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height,
Right Angle for .031" [0.79 mm], .062" [1.57 mm] or .093" [2.36 mm] Mating PCB

- Accommodates .031" ± .006" [0.79 mm ± 0.15 mm], .062" ± .008" [1.57 mm ± 0.20 mm]
 or .093" ± .008" [2.36 mm ± 0.20 mm] mating PCB
- · PPS or PA9T insulator
- Molded-in key available
- High reliability/high cycle hairpin bellow & cantilever contacts
- · 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0
- Operating Temperature: -65°C up to +200°C





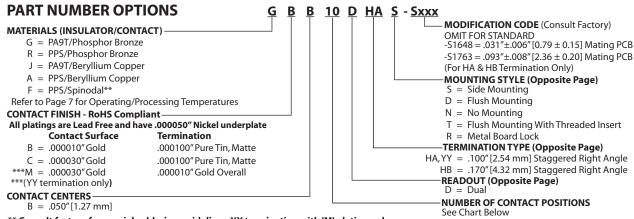




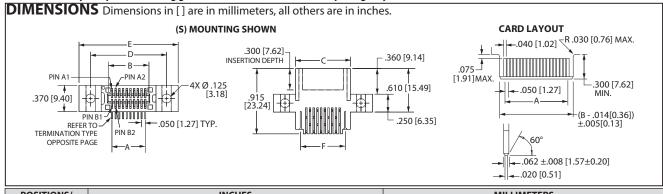


.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height, Right Angle for .031" [0.79 mm], .062" [1.57 mm] or .093" [2.36 mm] Mating PCB





** Consult factory for special soldering guidelines. YY termination with 'M' plating only.



POSITIONS/	INCHES					MILLIMETERS						
CONTACTS	A±.005	B±.005	C±.015	D±.010	E±.020	F±.010	A±0.13	B±0.13	C±0.38	D±0.25	E±0.51	F±0.25
05/10	0.200	0.300	0.490	0.776	1.090	0.350	5.08	7.62	12.45	19.71	27.69	8.89
06/12	0.250	0.350	0.540	0.826	1.140	0.400	6.35	8.89	13.72	20.98	28.96	10.16
08/16	0.350	0.450	0.640	0.926	1.240	0.500	8.89	11.43	16.26	23.52	31.50	12.70
09/18	0.400	0.500	0.690	0.976	1.290	0.550	10.16	12.70	17.53	24.79	32.77	13.97
10/20	0.450	0.550	0.740	1.026	1.340	0.600	11.43	13.97	18.80	26.06	34.04	15.24
13/26	0.600	0.700	0.890	1.176	1.490	0.750	15.24	17.78	22.61	29.87	37.85	19.05
14/28	0.650	0.750	0.940	1.226	1.540	0.800	16.51	19.05	23.88	31.14	39.12	20.32
15/30	0.700	0.800	0.990	1.276	1.590	0.850	17.78	20.32	25.15	32.41	40.39	21.59
16/32	0.750	0.850	1.040	1.326	1.640	0.900	19.05	21.59	26.42	33.68	41.66	22.86
20/40	0.950	1.050	1.240	1.526	1.840	1.100	24.13	26.67	31.50	38.76	46.74	27.94
22/44	1.050	1.150	1.340	1.626	1.940	1.200	26.67	29.21	34.04	41.30	49.28	30.48
24/48	1.150	1.250	1.440	1.726	2.040	1.300	29.21	31.75	36.58	43.84	51.82	33.02
25/50	1.200	1.300	1.490	1.776	2.090	1.350	30.48	33.02	37.85	45.11	53.09	34.29
28/56	1.350	1.450	1.640	1.926	2.240	1.500	34.29	36.83	41.66	48.92	56.90	38.10
30/60	1.450	1.550	1.740	2.026	2.340	1.600	36.83	39.37	44.20	51.46	59.44	40.64
34/68	1.650	1.750	1.940	2.226	2.540	1.800	41.91	44.45	49.28	56.54	64.52	45.72
35/70	1.700	1.800	1.990	2.276	2.590	1.850	43.18	45.72	50.55	57.81	65.79	46.99
40/80	1.950	2.050	2.240	2.526	2.840	2.100	49.53	52.07	56.90	64.16	72.14	53.34
41/82*	2.000	2.100	2.290	2.576	2.890	2.150	50.80	53.34	58.17	65.43	73.41	54.61
44/88	2.150	2.250	2.440	2.726	3.040	2.300	54.61	57.15	61.98	69.24	77.22	58.42
45/90	2.200	2.300	2.490	2.776	3.090	2.350	55.88	58.42	63.25	70.51	78.49	59.69
50/100	2.450	2.550	2.740	3.026	3.340	2.600	62.23	64.77	69.60	76.86	84.84	66.04
55/110	2.700	2.800	2.990	3.276	3.590	2.850	68.58	71.12	75.95	83.21	91.19	72.39
56/112	2.750	2.850	3.040	3.326	3.640	2.900	69.85	72.39	77.22	84.48	92.46	73.66
60/120	2.950	3.050	3.240	3.526	3.840	3.100	74.93	77.47	82.30	89.56	97.54	78.74
62/124	3.050	3.150	3.340	3.626	3.940	3.200	77.47	80.01	84.84	92.10	100.08	81.28
64/128	3.150	3.250	3.440	3.726	4.040	3.300	80.01	82.55	87.38	94.64	102.62	83.82
65/130	3.200	3.300	3.490	3.776	4.090	3.350	81.28	83.82	88.65	95.91	103.89	85.09
66/132	3.250	3.350	3.540	3.826	4.140	3.400	82.55	85.09	89.92	97.18	105.16	86.36
70/140	3.450	3.550	3.740	4.026	4.340	3.600	87.63	90.17	95.00	102.26	110.24	91.44
75/150	3.700	3.800	3.990	4.276	4.590	3.850	93.98	96.52	101.35	108.61	116.59	97.79
79/158	3.900	4.000	4.190	4.476	4.790	4.050	99.06	101.60	106.43	113.69	121.67	102.87
80/160	3.950	4.050	4.240	4.526	4.840	4.100	100.33	102.87	107.70	114.96	122.94	104.14
81/162	4.000	4.100	4.290	4.576	4.890	4.150	101.60	104.14	108.97	116.23	124.21	105.41
85/170*	4.200	4.300	4.490	4.776	5.090	4.350	106.68	109.22	114.05	121.31	129.29	110.49
90/180	4.450	4.550	4.740	5.026	5.340	4.600	113.03	115.57	120.40	127.66	135.64	116.84
92/184*	4.550	4.650	4.840	5.126	5.440	4.700	115.57	118.11	122.94	130.20	138.18	119.38
95/190	4.700	4.800	4.990	5.276	5.590	4.850	119.38	121.92	126.75	134.01	141.99	123.19
96/192*	4.750	4.850	5.040	5.326	5.640	4.900	120.65	123.19	128.02	135.28	143.26	124.46
100/200	4.950	5.050	5.240	5.526	5.840	5.100	125.73	128.27	133.10	140.36	148.34	129.54
105/210	5.200	5.300	5.490	5.776	6.090	5.350	132.08	134.62	139.45	146.71	154.69	135.89
106/212	5.250	5.350	5.540	5.826	6.140	5.400	133.35 135.89	135.89	140.72	147.98	155.96	137.16
108/216*	5.350	5.450	5.640	5.926	6.240	5.500		138.43	143.26	150.52	158.50	139.70
110/220	5.450	5.550	5.740	6.026	6.340	5.600	138.43	140.97	145.80	153.06	161.04	142.24
120/240	5.950	for sizes no	6.240	'N' Moun	ting Only	6.100	151.13	153.67	158.50	'N' Moun	ting Only	154.94

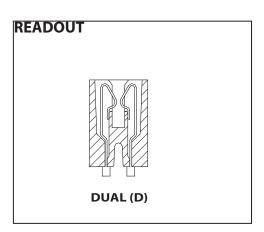
* Consult factory for availability for sizes not shown.

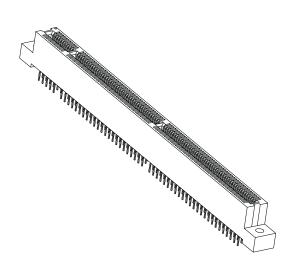


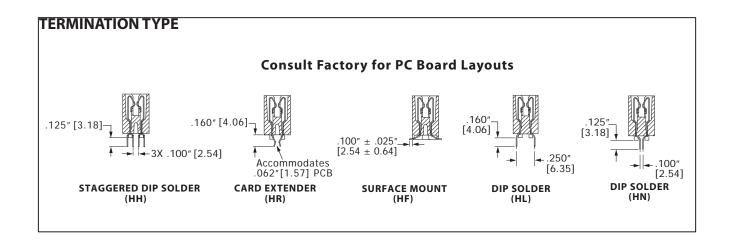
.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height, [MCA] Dip Solder/Card Extender/SMT

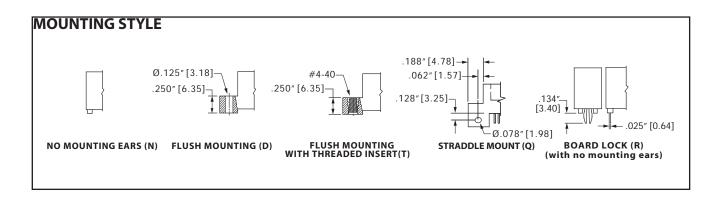
Industry Standard Part

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board (Consult factory for other board thicknesses)
- PPS or PA9T insulator
- · Molded-in key available
- · High reliability/high cycle hairpin bellow contacts
- · 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0







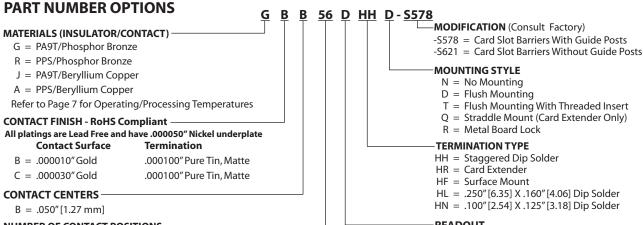


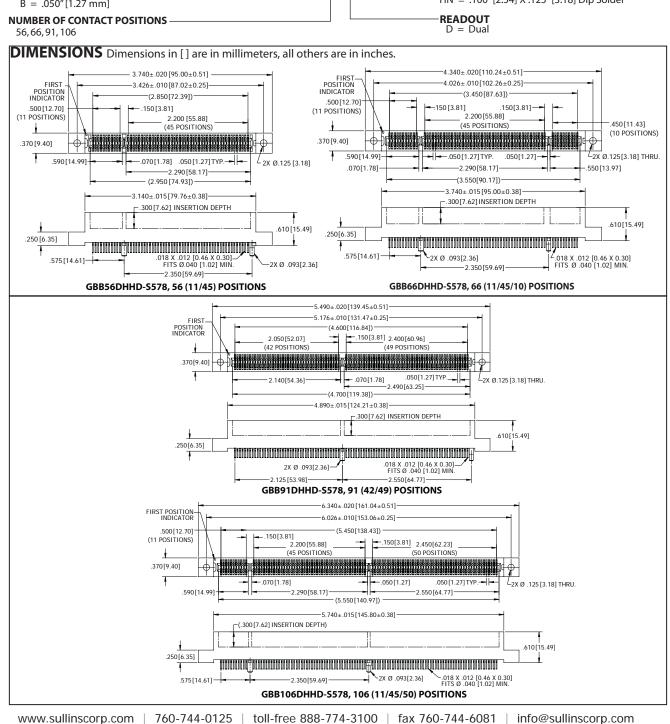


Industry Standard Part

.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height, [MCA] Dip Solder/Card Extender/SMT





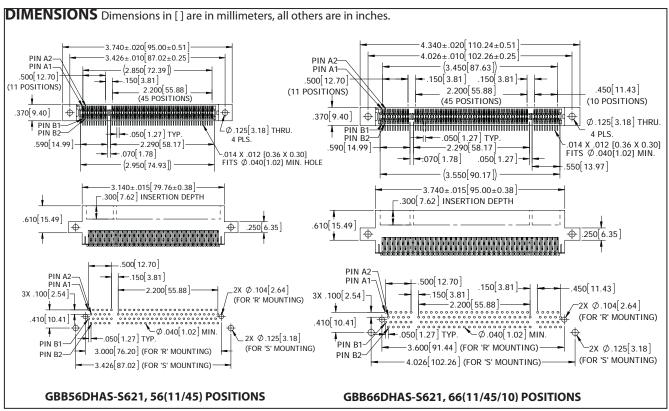


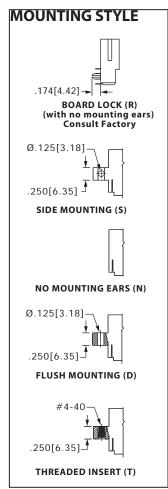
Sullins High Density

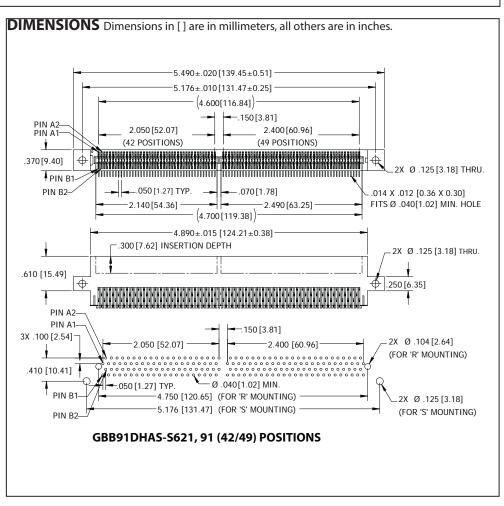
SULLINS

.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height, [MCA] Right Angle

Industry Standard Part





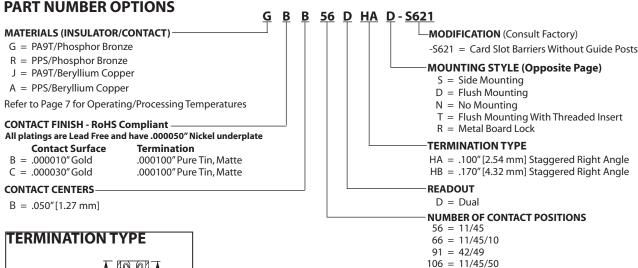




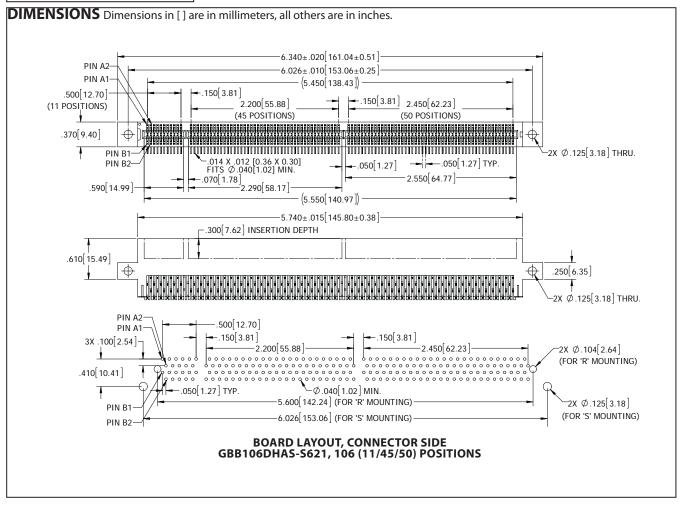
Industry Standard Part

.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height,





- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- PPS or PA9T insulator
- · Molded-in key available
- · High reliability/high cycle hairpin bellow contacts
- · 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0



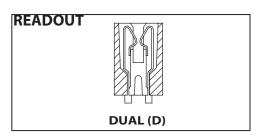


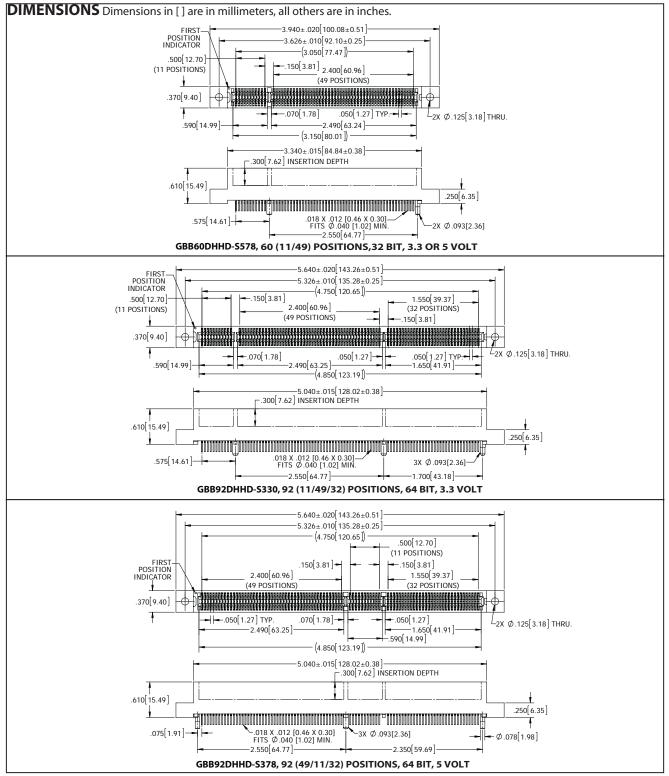
SULLINS

.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height, [PCI] Dip Solder/Card Extender/SMT

Industry Standard Part

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- PPS or PA9T insulator
- · Molded-in key available
- · High reliability/high cycle hairpin bellow contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0



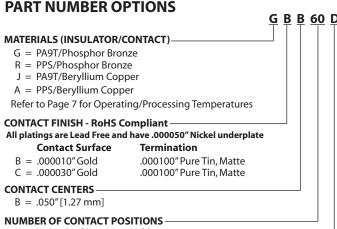




Industry Standard Part

.050" [1.27 mm] Contact Centers, .610" [15.49 mm] Insulator Height, [PCI] Dip Solder/Card Extender/SMT





*60 = 11/49 (32 Bit, 3.3 or 5 Volt) 92 = 11/49/32 (64 Bit, 3.3 Volt) 92 = 49/11/32 (64 Bit, 5 Volt)

READOUT-

D = Dual

G B B 60 D HH D - S578

MODIFICATION (Consult Factory) PCI WITH GUIDE POSTS

*-S578 = 60 (11/49) Positions (32 Bit, 3.3 or 5 Volt) -S330 = 92 (11/49/32) Positions (64 Bit, 3.3 Volt)

-S378 = 92 (49/11/32) Positions (64 Bit, 5 Volt)

PCI WITHOUT GUIDE POSTS

*-S621 = 60 (11/49) Positions (32 Bit, 3.3 or 5 Volt) -S329 = 92 (11/49/32) Positions (64 Bit, 3.3 Volt) -S250 = 92 (49/11/32) Positions (64 Bit, 5 Volt)

MOUNTING STYLE

D = Flush Mounting

N = No Mounting

 $T \,=\, Flush\, Mounting\, With\, Threaded\, Insert$

Q = Straddle Mount (Card Extender Only)

R = Metal Board lock

TERMINATION TYPE

HH = Staggered Dip Solder

HR = Card Extender

HF = Surface Mount

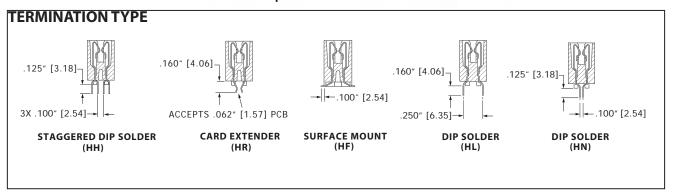
HL = .250'' [6.35 mm] X .160'' [4.06 mm] Dip Solder

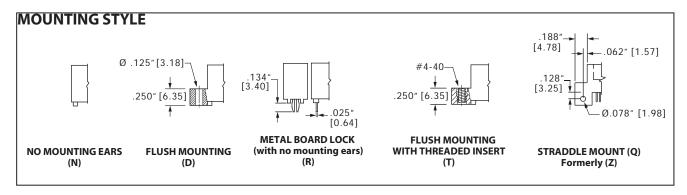
HN = .100'' [2.54 mm] X .125'' [3.18 mm] Dip Solder





FOR PC BOARD LAYOUTS REFER TO www.sullinscorp.com





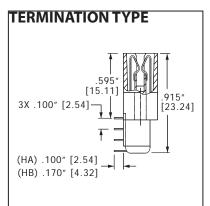
Sullins High Density

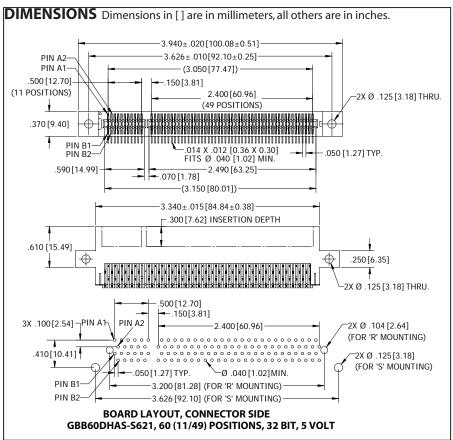
SULLINS

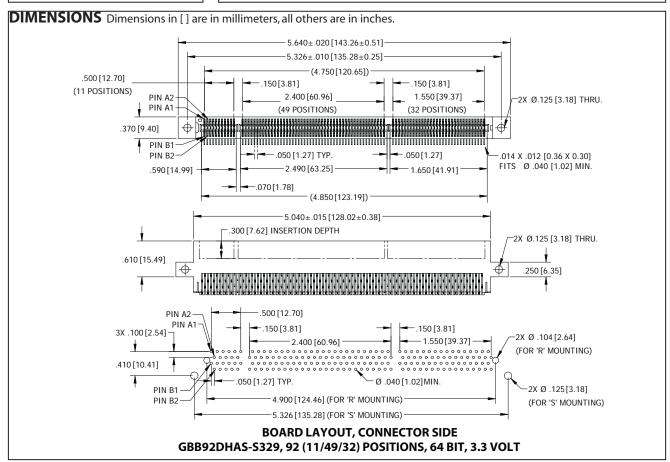
.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height, [PCI] Right Angle

Industry Standard Part

- Accommodates .062" ± .008"
 [1.57 mm ± 0.20 mm] PC board
- · PPS or PA9T insulator
- · Molded-in key available
- High reliability/high cycle Hairpin bellow contacts
- 1 Amp current rating per contact for contacts fully energized
- UL Flammability Rating: 94V-0





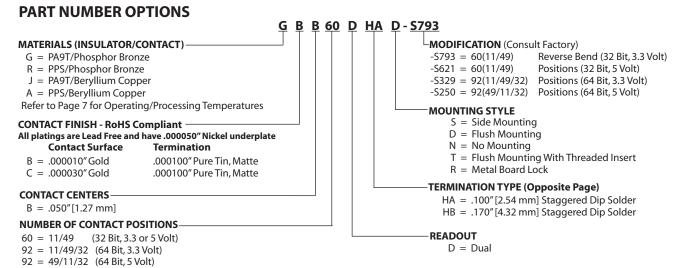


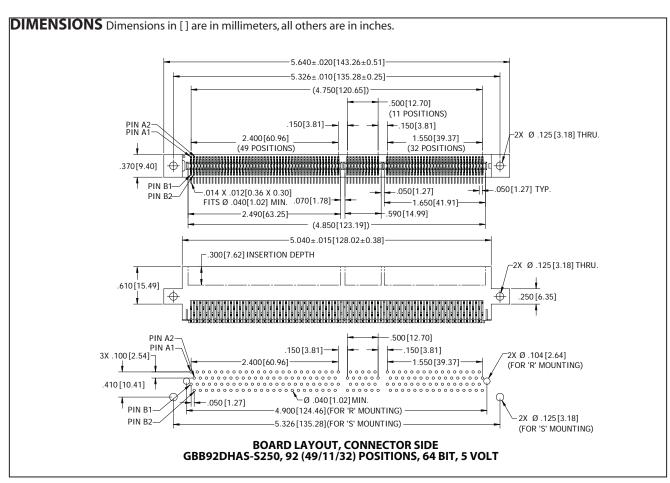


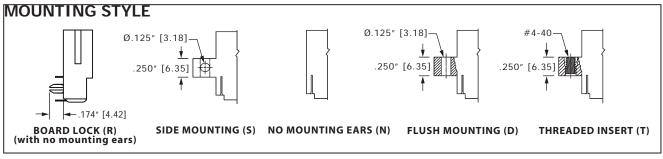
.050" [1.27 mm] Contact Centers, .915" [23.24 mm] Insulator Height, [PCI] Right Angle



Industry Standard Part



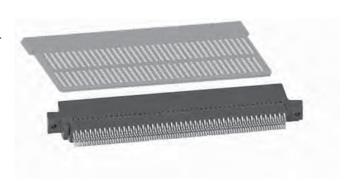


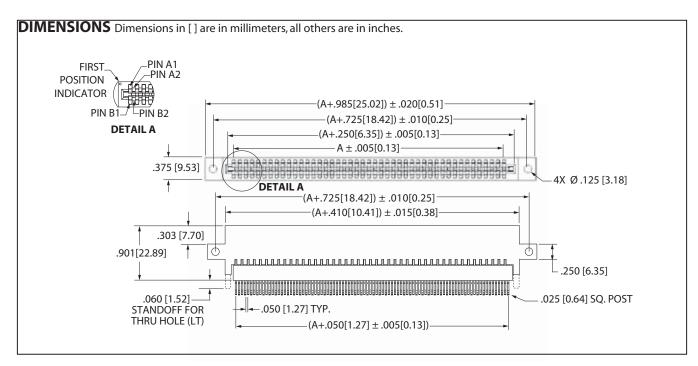


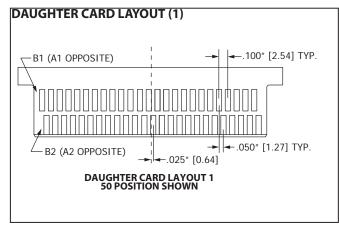


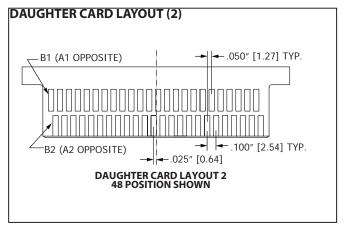
Bi-Level High Density, .050" [1.27 mm] / .100" [2.54 mm] Contact Centers Card Extender, Dip Solder for .062" [1.57 mm] or .093" [2.36 mm] Mating PCB

- .050" [1.27 mm] Contact Center Spacing can replace
 .100" [2.54 mm] Contact Center part to double the number of contacts within the same area
- Backwards Compatible with Daughter Card Side
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] or .093" ± .008" [2.36 mm ± 0.20 mm] mating PCB
- Contact Material: Beryllium Copper or Phosphor Bronze
- · Body Material: PA9T
- UL Flammability Rating: 94V-0
- · 3 Amps current rating for one contact energized
- High power-per-inch
- Voltage Rating: 225 VAC Minimum at sea level
- · Consult Factory for PC board layouts/technical drawings









NO MOUNTING

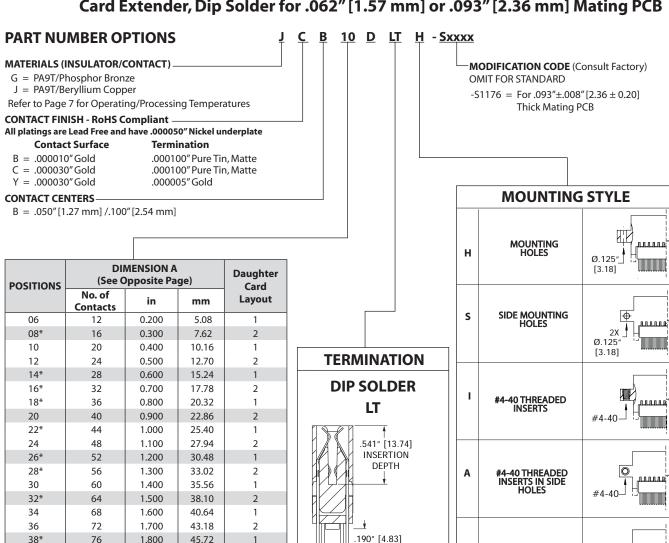
FLUSH MOUNTING (LT TERMINATION ONLY)

N

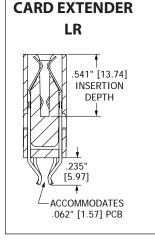




Bi-Level High Density, .050" [1.27 mm] / .100" [2.54 mm] Contact Centers Card Extender, Dip Solder for .062" [1.57 mm] or .093" [2.36 mm] Mating PCB



18*	36	0.800	20.32	1
20	40	0.900	22.86	2
22*	44	1.000	25.40	1
24	48	1.100	27.94	2
26*	52	1.200	30.48	1
28*	56	1.300	33.02	2
30	60	1.400	35.56	1
32*	64	1.500	38.10	2
34	68	1.600	40.64	1
36	72	1.700	43.18	2
38*	76	1.800	45.72	1
40	80	1.900	48.26	2
42	84	2.000	50.80	1
44	88	2.100	53.34	2
46*	92	2.200	55.88	1
48*	96	2.300	58.42	2
50	100	2.400	60.96	1
52	104	2.500	63.50	2
54*	108	2.600	66.04	1
56	112	2.700	68.58	2
58*	116	2.800	71.12	1
60	120	2.900	73.66	2
62*	124	3.000	76.20	1
64*	128	3.100	78.74	2
66*	132	3.200	81.28	1
68*	136	3.300	83.82	2
70	140	3.400	86.36	1
72	144	3.500	88.90	2
74*	148	3.600	91.44	1
76	152	3.700	93.98	2
78	156	3.800	96.52	1
80	160	3.900	99.06	2
82*	164	4.000	101.60	1
84*	168	4.100	104.14	2
86	172	4.200	106.68	1
88*	176	4.300	109.22	2
90	180	4.400	111.76	1
100	200	4.900	124.46	2



-2X .049" [1.24] .175" [4.45]

149.86

120+

Ø.125

[3.18]

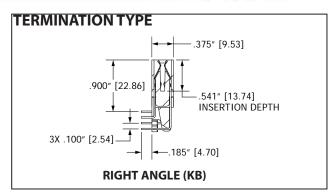
^{5.900} *Consult factory for availability. † Available in 'N' mounting only.

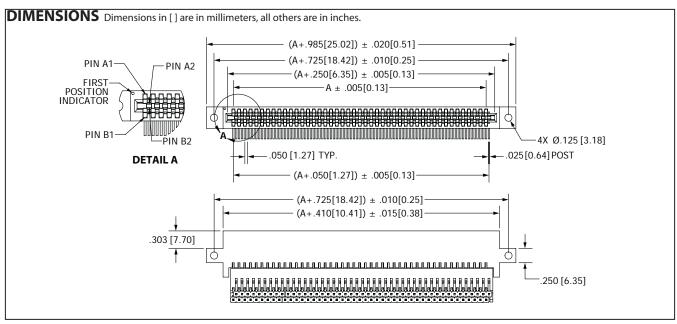
Bi-Level High Density, .050" [1.27 mm] / .100" [2.54 mm] Contact Centers Right Angle for .062" [1.57 mm] or .093" [2.36 mm] Mating PCB

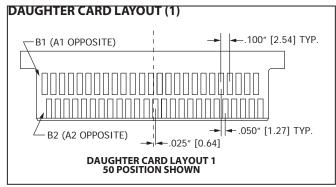
U.S. Patent NO. US 6,790,054 B1

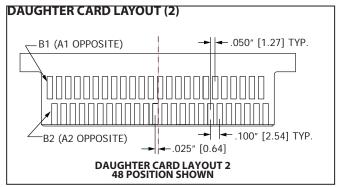
- .050" [1.27 mm] Contact Center Spacing can replace
 .100" [2.54 mm] Contact Center parts to double the number of contacts within the same area
- Backwards Compatible with Daughter Card Side
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] or .093" ± .008" [2.36 mm ± 0.20 mm] mating PCB
- · Contact Material: Beryllium Copper or Phosphor Bronze
- · Body Material: PA9T
- UL Flammability Rating: 94V-0
- 3 Amps current rating for one contact energized
- High power-per-inch
- · Voltage Rating: 225 VAC Minimum at sea level
- Consult Factory for PC board layouts/technical drawings











 $-S1176 = For .093" \pm .008" [2.36 \pm 0.20]$ Thick Mating PCB

Side Mounting Holes

(Requires 'S' Mounting)

#4-40 Threaded Inserts

(Requires 'A' Mounting)

-S1075 = Staggered Ears with

-S1076 = Staggered Ears with

OMIT FOR STANDARD



Bi-Level High Density, .050" [1.27 mm] / .100" [2.54 mm] Contact Centers Right Angle for .062" [1.57 mm] or .093" [2.36 mm] Mating PCB U.S. Patent NO. US 6,790,054 B1





B 10 D KB S - Sxxxx MATERIALS (INSULATOR/CONTACT) G = PA9T/Phosphor Bronze J = PA9T/Beryllium Copper 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** .000100" Pure Tin, Matte B = .000010 Gold C = .000030" Gold.000100" Pure Tin, Matte .000005" Gold

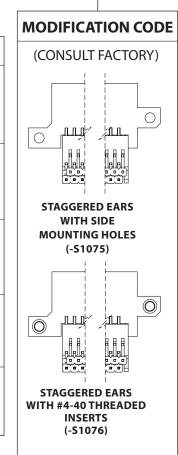
Y = .000030" Gold

CONTACT CENTERS

B = .050'' [1.27 mm] / .100'' [2.54 mm]

POSITIONS		MENSION A	-	Daughter Card
1 051110115	No. of Contacts	in	mm	Layout
06	12	0.200	5.08	1
08*	16	0.300	7.62	2
10	20	0.400	10.16	1
12	24	0.500	12.70	2
14*	28	0.600	15.24	1
16*	32	0.700	17.78	2
18*	36	0.800	20.32	1
20	40	0.900	22.86	2
22*	44	1.000	25.40	1
24	48	1.100	27.94	2
26*	52	1.200	30.48	1
28*	56	1.300	33.02	2
30	60	1.400	35.56	1
32*	64	1.500	38.10	2
34	68	1.600	40.64	1
36	72	1.700	43.18	2
38*	76	1.800	45.72	1
40	80	1.900	48.26	2
42	84	2.000	50.80	1
44	88	2.100	53.34	2
46*	92	2.200	55.88	1
48*	96	2.300	58.42	2
50	100	2.400	60.96	1
52	104	2.500	63.50	2
54*	108	2.600	66.04	1
56	112	2.700	68.58	2
58*	116	2.800	71.12	1
60	120	2.900	73.66	2
62*	124	3.000	76.20	1
64*	128	3.100	78.74	2
66*	132	3.200	81.28	1
68*	136	3.300	83.82	2
70	140	3.400	86.36	1
72	144	3.500	88.90	2
74*	148	3.600	91.44	1
76	152	3.700	93.98	2
78	156	3.800	96.52	1
80	160	3.900	99.06	2
82*	164	4.000	101.60	1
84*	168	4.100	104.14	2
86	172	4.200	106.68	1
88*	176	4.300	109.22	2
90	180	4.400	111.76	1

	MOUNTING	STYLE
н	MOUNTING HOLES	Ø .125"
S	SIDE MOUNTING HOLES	2X Ø .125" [3.18]
ı	#4-40 THREADED INSERTS	#4-40
A	#4-40 THREADED INSERTS IN SIDE HOLES	#4-40
N	NO MOUNTING EARS	



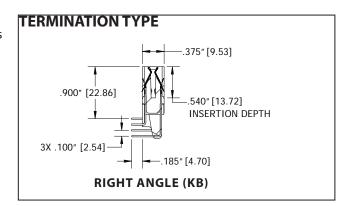
^{*} Consult factory for availability.

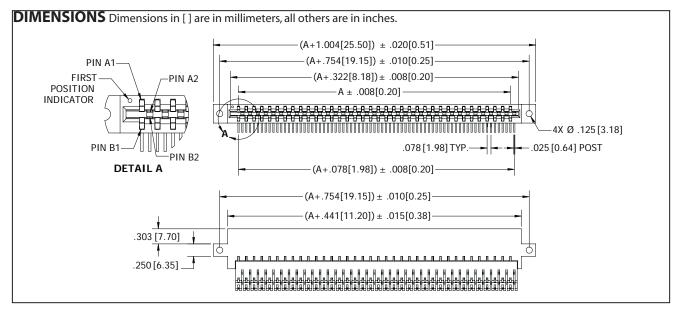
Bi-Level, .078" [1.98 mm] / .156" [3.96 mm] Contact Centers **High Density, Right Angle**

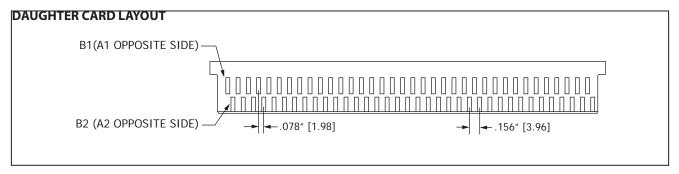
U.S. Patent No. US 6,790.054 B1

- .078" [1.98 mm] Contact Center Spacing can replace .156" [3.96 mm] Contact Center parts to double the number of contacts within the same area
- Backwards Compatible with Daughter Card Side
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- Contact Material: Beryllium Copper or Phosphor Bronze
- · Body Material: PA9T
- UL Flammability Rating: 94V-0
- · 3 Amps current rating for one contact energized
- · High power-per-inch
- 75 grams minimum contact normal force
- · Voltage Rating: 225 VAC Minimum at sea level
- Consult Factory for PC board layouts/technical drawings











Bi-Level, .078" [1.98 mm] / .156" [3.96 mm] Contact Centers **High Density, Right Angle**

Sxxxx



PART NUMBER OPTIONS

U.S. Patent No. US 6,790.054 B1

<u>K</u> 10 D KB S MATERIALS (INSULATOR/CONTACT) G = PA9T/Phosphor BronzeJ = PA9T/Beryllium Copper 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** .000100" Pure Tin, Matte B = .000010" GoldC = .000030" Gold.000100" Pure Tin, Matte .000005" Gold Y = .000030" Gold**CONTACT CENTERS** K = .078'' [1.98 mm] / .156'' [3.96 mm]

OMIT FOR STANDARD -S1075 = Staggered Ears with Side Mounting Holes (Requires 'S' Mounting) -S1076 = Staggered Ears with #4-40 Threaded Inserts (Requires 'A' Mounting)

		IMENSION A Opposite Pag	ge)
POSITIONS	No. of Contacts	in	mm
06*	12	0.312	7.92
08*	16	0.468	11.89
10*	20	0.624	15.85
12*	24	0.780	19.81
14*	28	0.936	23.77
16*	32	1.092	27.74
18*	36	1.248	31.70
20	40	1.404	35.66
22*	44	1.560	39.62
24*	48	1.716	43.59
26*	52	1.872	47.55
28*	56	2.028	51.51
30*	60	2.184	55.47
32*	64	2.340	59.44
34*	68	2.496	63.40
36*	72	2.652	67.36
38*	76	2.808	71.32
40*	80	2.964	75.29
42*	84	3.120	79.25
44*	88	3.276	83.21
46*	92	3.432	87.17
48*	96	3.588	91.14
50*	100	3.744	95.10
52*	104	3.900	99.06
54*	108	4.056	103.02
56*	112	4.212	106.98
58*	116	4.368	110.95
60*	120	4.524	114.91
62*	124	4.680	118.87
64*	128	4.836	122.83

MOUNTING STYLE H MOUNTING HOLES SIDE MOUNTING HOLES 2X Ø .125" [3.18]			
H HOLES Ø .125" [3.18] s SIDE MOUNTING HOLES 2X Ø .125"		MOUNTIN	G STYLE
S HOLES 2X 0 .125"	н		Ø .125"
	S		Ø .125"
#4-40 THREADED INSERTS #4-40	ı		#4-40
A #4-40 THREADED INSERTS IN SIDE HOLES #4-40	A	INSERTS IN SIDE	#4-40
N NO MOUNTING EARS	N		

MODIFICAT	TION CODE
(CONSULT	FACTORY)
WIT MOUNTI	RED EARS H SIDE ING HOLES 1075)
WITH #4-4	RED EARS D THREADED ERTS (076)

66*

68*

70*

72*

132

136

140

144

4.992

5.148

5.304

5.460

126.80

130.76

134.72

138.68

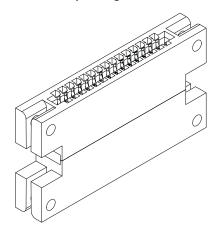
^{*} Consult factory for availability.

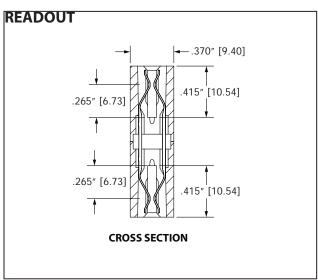


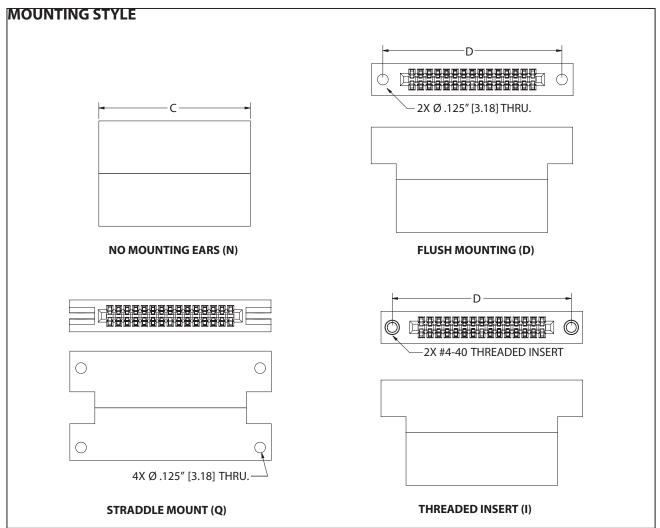
SULLINS

.100" [2.54 mm] Contact Centers, Dual Edge

- Accommodates $.062'' \pm .008''$ [1.57 mm ± 0.20 mm] PC board, both sides
- PBT or PPS
- 3 Amps current rating for one contact energized
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0







-MODIFICATION CODE (Consult Factory)

MOUNTING STYLE (Opposite Page)

TERMINATION TYPE (Opposite Page)



.100" [2.54 mm] Contact Centers, Dual Edge

OMIT FOR STANDARD

Q = Straddle Mount

D = Flush Mounting

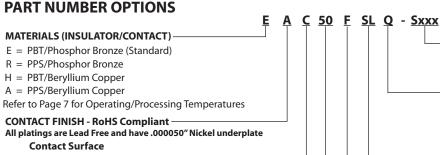
I = Threaded Insert

N = No Mounting

SL = Single Level

VIEW BOTH TOP AND BOTTOM SIDE

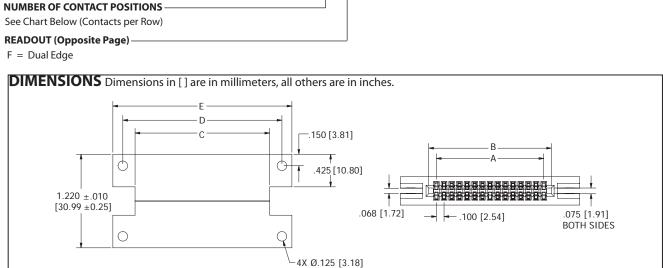




_AC _ FSLQ

A = .000030" Gold, both ends

CONTACT CENTERS C = .100''[2.54 mm]



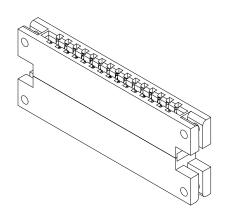
POSITIONS/	A±.008	8[0.20]	B±.008	3[0.20]	C±.01	5[0.38]	D±.01	0[0.25]	E±.02	0[0.25]
CONTACTS	in	mm	in	mm	in	mm	in	mm	in	mm
05/10	0.400	10.16	0.600	15.24	0.756	19.20	1.075	27.31	1.335	33.91
06/12	0.500	12.70	0.700	17.78	0.856	21.74	1.175	29.85	1.435	36.45
07/14	0.600	15.24	0.800	20.32	0.956	24.28	1.275	32.39	1.535	38.99
10/20	0.900	22.86	1.100	27.94	1.256	31.90	1.575	40.01	1.835	46.61
12/24	1.100	27.94	1.300	33.02	1.456	36.98	1.775	45.09	2.035	51.69
13/26	1.200	30.48	1.400	35.56	1.556	39.52	1.875	47.63	2.135	54.23
15/30	1.400	35.56	1.600	40.64	1.756	44.60	2.075	52.71	2.335	59.31
16/32	1.500	38.10	1.700	43.18	1.856	47.14	2.175	55.25	2.435	61.85
17/34	1.600	40.64	1.800	45.72	1.956	49.68	2.275	57.79	2.535	64.39
18/36	1.700	43.18	1.900	48.26	2.056	52.22	2.375	60.33	2.635	66.93
20/40	1.900	48.26	2.100	53.34	2.256	57.30	2.575	65.41	2.835	72.01
22/44	2.100	53.34	2.300	58.42	2.456	62.38	2.775	70.49	3.035	77.09
23/46	2.200	55.88	2.400	60.96	2.556	64.92	2.875	73.03	3.135	79.63
24/48	2.300	58.42	2.500	63.50	2.656	67.46	2.975	75.57	3.235	82.17
25/50	2.400	60.96	2.600	66.04	2.756	70.00	3.075	78.11	3.335	84.71
26/52	2.500	63.50	2.700	68.58	2.856	72.54	3.175	80.65	3.435	87.25
28/56	2.700	68.58	2.900	73.66	3.056	77.62	3.375	85.73	3.635	92.33
30/60	2.900	73.66	3.100	78.74	3.256	82.70	3.575	90.81	3.835	97.41
31/62	3.000	76.20	3.200	81.28	3.356	85.24	3.675	93.35	3.935	99.95
34/68	3.300	83.82	3.500	88.90	3.656	92.86	3.975	100.97	4.235	107.57
35/70	3.400	86.36	3.600	91.44	3.756	95.40	4.075	103.51	4.335	110.11
36/72	3.500	88.90	3.700	93.98	3.856	97.94	4.175	106.05	4.435	112.65
40/80	3.900	99.06	4.100	104.14	4.256	108.10	4.575	116.21	4.835	122.81
43/86	4.200	106.68	4.400	111.76	4.556	115.72	4.875	123.83	5.135	130.43
44/88	4.300	109.22	4.500	114.30	4.656	118.26	4.975	126.37	5.235	132.97
50/100	4.900	124.46	5.100	129.54	5.256	133.50	5.575	141.61	5.835	148.21
60/120	5.900	149.86	6.100	154.94	6.256	158.90		'N' MOUN	TING ONLY	

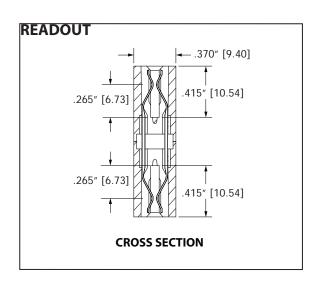


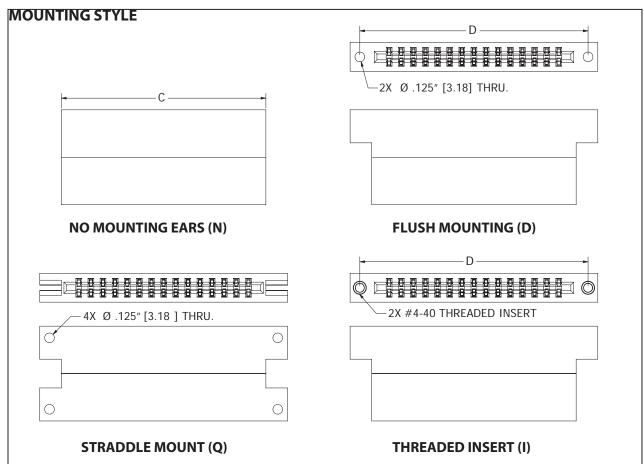
SULLINS

.156" [3.96 mm] Contact Centers, Dual Edge

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board, both sides
- PBT or PPS
- · 3 Amps current rating for one contact energized
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0



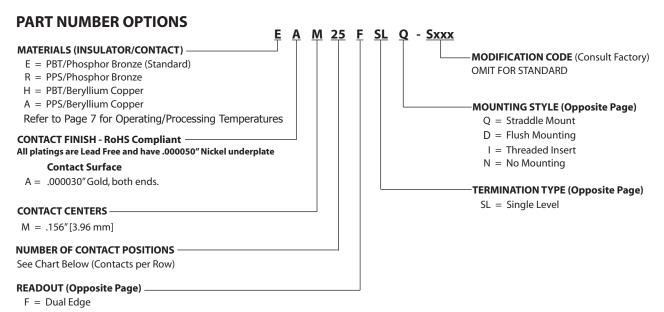


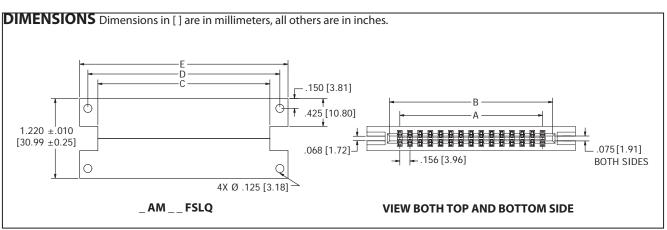




.156" [3.96 mm] Contact Centers, Dual Edge







POSITIONS/	A±.008	3 [0.20]	B±.008	3 [0.20]	C±.015	[0.38]	D±.010	0 [0.25]	E±.020	0 [0.25]	
CONTACTS	in	mm	in	mm	in	mm	in	mm	in	mm	
05/10*	0.624	15.85	0.944	23.98	1.072	27.23	1.378	35.00	1.628	41.35	
06/12*	0.780	19.81	1.100	27.94	1.228	31.19	1.534	38.96	1.784	45.31	
10/20	1.404	35.66	1.724	43.79	1.852	47.04	2.158	54.81	2.408	61.16	
12/24*	1.716	43.59	2.036	51.71	2.164	54.97	2.470	62.74	2.720	69.09	
15/30*	2.184	55.47	2.504	63.60	2.632	66.85	2.938	74.63	3.188	80.98	
17/34*	2.496	63.40	2.816	71.53	2.944	74.78	3.250	82.55	3.500	88.90	
18/36*	2.652	67.36	2.972	75.49	3.100	78.74	3.406	86.51	3.656	92.86	
20/40*	2.964	75.29	3.284	83.41	3.412	86.66	3.718	94.44	3.968	100.79	
22/44	3.276	83.21	3.596	91.34	3.724	94.59	4.030	102.36	4.280	108.71	
25/50*	3.744	95.10	4.064	103.23	4.192	106.48	4.498	114.25	4.748	120.60	
28/56*	4.212	106.98	4.532	115.11	4.660	118.36	4.966	126.14	5.216	132.49	
30/60*	4.524	114.91	4.844	123.04	4.972	126.29	5.278	134.06	5.528	140.41	
35/70*	5.304	134.72	5.624	142.85	5.752	146.10	6.058	153.87	6.308	160.22	
36/72*	5.460	138.68	5.780	146.81	5.908	150.06					
37/74*	5.616	142.65	5.936	150.77	6.064	154.03	'N' MOUNTING ONLY				
38/76*	5.772	146.61	6.092	154.74	6.220	157.99					
39/78*	5.928	150.57	6.248	158.70	6.376	161.95					

^{*} Consult factory for availability.

SULLINS

.100" [2.54 mm] Contact Centers, .540" [13.72 mm] Insulator Height, Male Card Edge, Dip Solder/Right Angle/Card Extender

SPECIFICATIONS

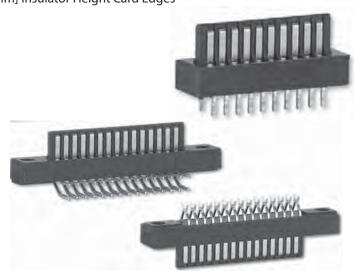
- Compatible with .431" [10.95 mm] or .610" [15.49 mm] Insulator Height Card Edges
- Mates in place of .062" [1.57 mm] PC board
- · PBT, PA9T or PPS insulator
- 3 Amps current rating for one contact energized
- · 30 milli Ohms maximum at rated current
- Consult Factory for other Contact Centers
- UL Flammability Rating: 94V-0

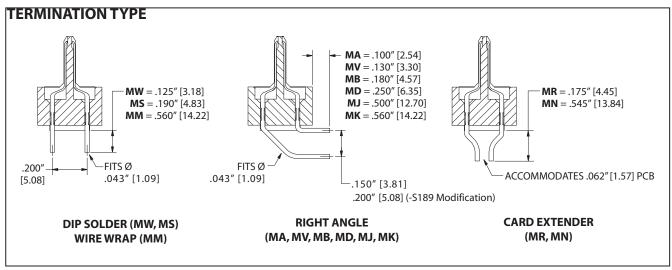
Operating/Processing Temperature

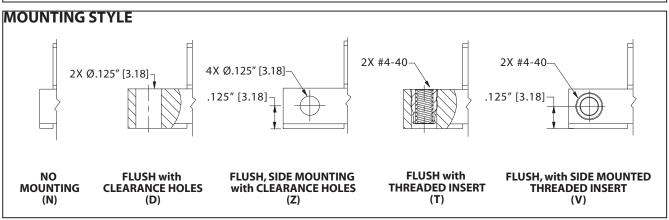
- E = PBT & Phosphor Bronze Operating Temperature: -65°C to + 125°C Processing Temperature: Wave only
- R = PPS & Phosphor Bronze Operating Temperature: -65°C to + 150°C Processing Temperature: 260°C Max. for 20 sec.
- G = PA9T & Phosphor Bronze

 Operating Temperature: -65°C to + 150°C

 Processing Temperature: 260°C Max. for 20 sec.
- A = PPS & Beryllium Copper Operating Temperature: -65°C to + 200°C Processing Temperature: 260°C Max. for 20 sec. Overall Gold Plating Only (Plating code 'S' or 'M')





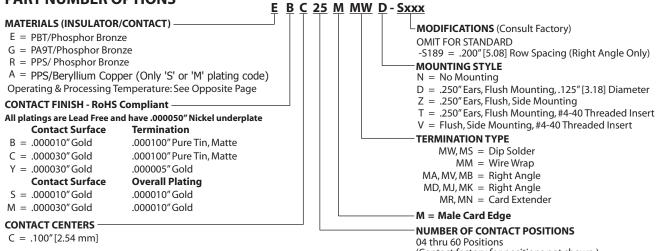


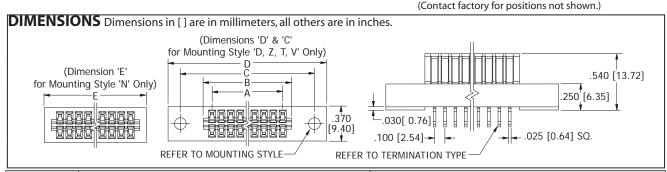


.100" [2.54 mm] Contact Centers, .540" [13.72 mm] Insulator Height, Male Card Edge, Dip Solder/Right Angle/Card Extender









POSITIONS/			INCHES	•				MILLIMET	ERS	
CONTACTS	A±.008	B±.008	C±.010	D±.020	E±.020 'N' Mtg. Only	A±0.20	B±0.20	C±0.25	D±0.51	E±0.51 'N' Mtg. Only
04/08	0.300	0.486	0.975	1.236	0.656	7.62	12.34	24.77	31.39	16.66
05/10	0.400	0.586	1.075	1.336	0.756	10.16	14.88	27.31	33.93	19.20
06/12	0.500	0.686	1.175	1.436	0.856	12.70	17.42	29.85	36.47	21.74
07/14	0.600	0.786	1.275	1.536	0.956	15.24	19.96	32.39	39.01	24.28
08/16	0.700	0.886	1.375	1.636	1.056	17.78	22.50	34.93	41.55	26.82
10/20	0.900	1.086	1.575	1.836	1.256	22.86	27.58	40.01	46.63	31.90
12/24	1.100	1.286	1.775	2.036	1.456	27.94	32.66	45.09	51.71	36.98
13/26	1.200	1.386	1.875	2.136	1.556	30.48	35.20	47.63	54.25	39.52
15/30	1.400	1.586	2.075	2.336	1.756	35.56	40.28	52.71	59.33	44.60
16/32	1.500	1.686	2.175	2.436	1.856	38.10	42.82	55.25	61.87	47.14
17/34	1.600	1.786	2.275	2.536	1.956	40.64	45.36	57.79	64.41	49.68
18/36	1.700	1.886	2.375	2.636	2.056	43.18	47.90	60.33	66.95	52.22
19/38	1.800	1.986	2.475	2.736	2.156	45.72	50.44	62.87	69.49	54.76
20/40	1.900	2.086	2.575	2.836	2.256	48.26	52.98	65.41	72.03	57.30
22/44	2.100	2.286	2.775	3.036	2.456	53.34	58.06	70.49	77.11	62.38
23/46*	2.200	2.386	2.875	3.136	2.556	55.88	60.60	73.03	79.65	64.92
24/48	2.300	2.486	2.975	3.236	2.656	58.42	63.14	75.57	82.19	67.46
25/50	2.400	2.586	3.075	3.336	2.756	60.96	65.68	78.11	84.73	70.00
26/52	2.500	2.686	3.175	3.436	2.856	63.50	68.22	80.65	87.27	72.54
28/56	2.700	2.886	3.375	3.636	3.056	68.58	73.30	85.73	92.35	77.62
30/60	2.900	3.086	3.575	3.836	3.256	73.66	78.38	90.81	97.43	82.70
31/62	3.000	3.186	3.675	3.936	3.356	76.20	80.92	93.35	99.97	85.24
32/64	3.100	3.286	3.775	4.036	3.456	78.74	83.46	95.89	102.51	87.78
34/68	3.300	3.486	3.975	4.236	3.656	83.82	88.54	100.97	107.59	92.86
35/70	3.400	3.586	4.075	4.336	3.756	86.36	91.08	103.51	110.13	95.40
36/72	3.500	3.686	4.175	4.436	3.856	88.90	93.62	106.05	112.67	97.94
40/80	3.900	4.086	4.575	4.836	4.256	99.06	103.78	116.21	122.83	108.10
43/86*	4.200	4.386	4.875	5.136	4.556	106.68	111.40	123.83	130.45	115.72
44/88*	4.300	4.486	4.975	5.236	4.656	109.22	113.94	126.37	132.99	118.26
49/98*	4.800	4.986	5.475	5.736	5.156	121.92	126.64	139.07	145.69	130.96
50/100	4.900	5.086	5.575	5.836	5.256	124.46	129.18	141.61	148.23	133.50
52/104*	5.100	5.286	5.775	6.036	5.456	129.54	134.26	146.69	153.31	138.58
55/110*	5.400	5.586	6.075	6.336	5.756	137.16	141.88	154.31	160.93	146.20
56/112*	5.500	5.686			5.856	139.70	144.42			148.74
57/114*	5.600	5.786			5.956	142.24	146.96			151.28
58/116*	5.700	5.886	'N' Moun	ting Only	6.056	144.78	149.50	'N' Moun	ting Only	153.82
59/118*	5.800	5.986		•	6.156	147.32	152.04			156.36
60/120	5.900	6.086			6.256	149.86	154.58			158.90

* Consult factory for availability.

SULLINS

.156" [3.96 mm] Contact Centers, .540" [13.72 mm] Insulator Height, Male Card Edge, Dip Solder/Right Angle/Card Extender

SPECIFICATIONS

- Compatible with .431 [10.95 mm] or .610 [15.49 mm] Insulator Height Card Edges
- Mates in place of .062" [1.57 mm] PC board
- · PBT, PA9T or PPS insulator
- 3 Amps current rating for one contact energized
- 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0

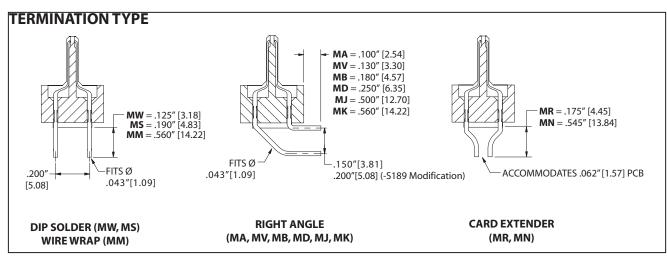
Operating/Processing Temperature

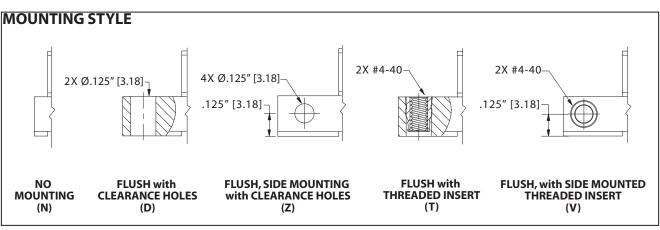
- E = PBT & Phosphor Bronze Operating Temperature: -65°C to + 125°C Processing Temperature: Wave only
- R = PPS & Phosphor Bronze Operating Temperature: -65°C to + 150°C Processing Temperature: 260°C Max. for 20 sec.
- G = PA9T & Phosphor Bronze

 Operating Temperature: -65°C to + 150°C

 Processing Temperature: 260° C Max. for 20 sec.
- A = PPS & Beryllium Copper
 Operating Temperature: -65°C to + 200°C
 Processing Temperature: 260°C Max. for 20 sec.
 Overall Gold Plating Only (Plating code 'S' or 'M')



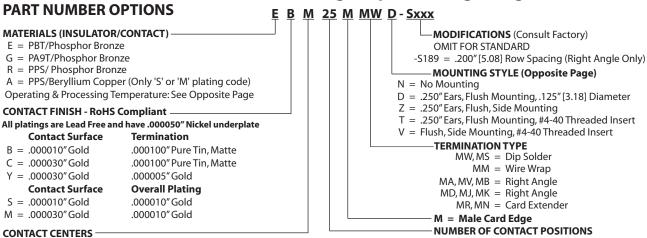


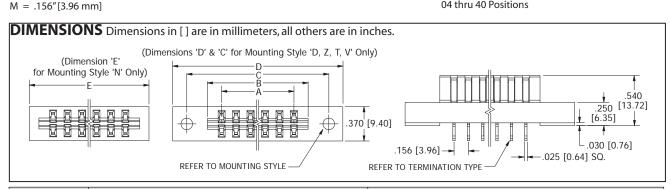




.156" [3.96 mm] Contact Centers, .540" [13.72 mm] Insulator Height, Male Card Edge, Dip Solder/Right Angle/Card Extender

04 thru 40 Positions





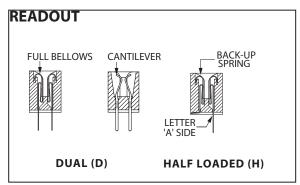
POSITIONS/			INCHES	3				MILLIMET	ERS	
CONTACTS	A±.008	B±.008	C±.010	D±.020	E±.020 'N' Mtg. Only	A±0.20	B±0.20	C±0.25	D±0.51	E±0.51 'N' Mtg. Only
04/08*	0.468	0.774	1.221	1.524	0.944	11.89	19.66	31.01	38.71	23.98
05/10*	0.624	0.930	1.377	1.680	1.100	15.85	23.62	34.98	42.67	27.94
06/12	0.780	1.086	1.533	1.836	1.256	19.81	27.58	38.94	46.63	31.90
07/14*	0.936	1.242	1.689	1.992	1.412	23.77	31.55	42.90	50.60	35.86
08/16*	1.092	1.398	1.845	2.148	1.568	27.74	35.51	46.86	54.56	39.83
09/18*	1.248	1.554	2.001	2.304	1.724	31.70	39.47	50.83	58.52	43.79
10/20	1.404	1.710	2.157	2.460	1.880	35.66	43.43	54.79	62.48	47.75
11/22	1.560	1.866	2.313	2.616	2.036	39.62	47.40	58.75	66.45	51.71
12/24	1.716	2.022	2.469	2.772	2.192	43.59	51.36	62.71	70.41	55.68
13/26	1.872	2.178	2.625	2.928	2.348	47.55	55.32	66.68	74.37	59.64
14/28	2.028	2.334	2.781	3.084	2.504	51.51	59.28	70.64	78.33	63.60
15/30	2.184	2.490	2.937	3.240	2.660	55.47	63.25	74.60	82.30	67.56
16/32	2.340	2.646	3.093	3.396	2.816	59.44	67.21	78.56	86.26	71.53
17/34*	2.496	2.802	3.249	3.552	2.972	63.40	71.17	82.52	90.22	75.49
18/36	2.652	2.958	3.405	3.708	3.128	67.36	75.13	86.49	94.18	79.45
19/38*	2.808	3.114	3.561	3.864	3.284	71.32	79.10	90.45	98.15	83.41
20/40	2.964	3.270	3.717	4.020	3.440	75.29	83.06	94.41	102.11	87.38
21/42*	3.120	3.426	3.873	4.176	3.596	79.25	87.02	98.37	106.07	91.34
22/44	3.276	3.582	4.029	4.332	3.752	83.21	90.98	102.34	110.03	95.30
23/46*	3.432	3.738	4.185	4.488	3.908	87.17	94.95	106.30	114.00	99.26
24/48	3.588	3.894	4.341	4.644	4.064	91.14	98.91	110.26	117.96	103.23
25/50*	3.744	4.050	4.497	4.800	4.220	95.10	102.87	114.22	121.92	107.19
26/52	3.900	4.206	4.653	4.956	4.376	99.06	106.83	118.19	125.88	111.15
27/54*	4.056	4.362	4.809	5.112	4.532	103.02	110.79	122.15	129.84	115.11
28/56	4.212	4.518	4.965	5.268	4.688	106.98	114.76	126.11	133.81	119.08
29/58*	4.368	4.674	5.121	5.424	4.844	110.95	118.72	130.07	137.77	123.04
30/60*	4.524	4.830	5.277	5.580	5.000	114.91	122.68	134.04	141.73	127.00
31/62*	4.680	4.986	5.433	5.736	5.156	118.87	126.64	138.00	145.69	130.96
32/64*	4.836	5.142	5.589	5.892	5.312	122.83	130.61	141.96	149.66	134.92
33/66*	4.992	5.298	5.745	6.048	5.468	126.80	134.57	145.92	153.62	138.89
34/68	5.148	5.454	5.901	6.204	5.624	130.76	138.53	149.89	157.58	142.85
35/70	5.304	5.610	6.057	6.360	5.780	134.72	142.49	153.85	161.54	146.81
36/72	5.460	5.766	6.213	6.516	5.936	138.68	146.46	157.81	165.51	150.77
37/74*	5.616	5.922			6.092	142.65	150.42			154.74
38/76	5.772	6.078	(N)/ NA -	sia a Oale	6.248	146.61	154.38	(5)(5)	ti O l	158.70
39/78*	5.928	6.234	'N' Moun	ting Only	6.404	150.57	158.34	'N' Moun	'N' Mounting Only	
40/80*	6.084	6.390			6.560	154.53	162.31			166.62

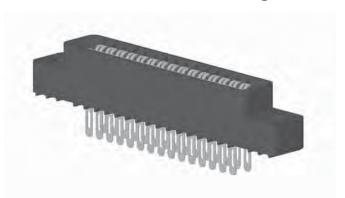
^{*} Consult factory for availability.

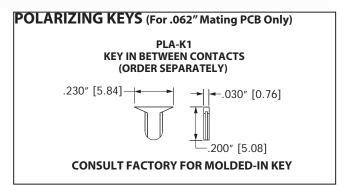


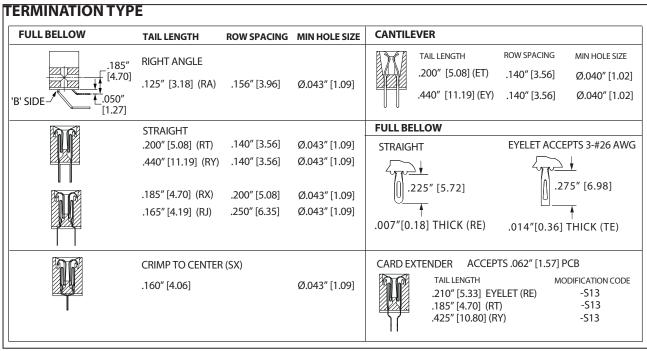
.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle for .062" [1.57 mm] or .031" [0.79 mm] Mating PCB

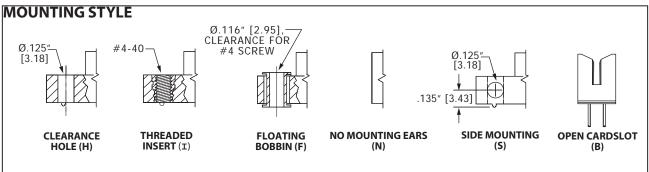
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] or $.031'' \pm .006''$ [0.79 mm \pm 0.15 mm] mating PCB (for .093" [2.36 mm] PC board see following pages)
- · PBT, PPS, PA9T or PEEK insulator
- Molded-in key available
- 3 Amps current rating for one contact energized
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0







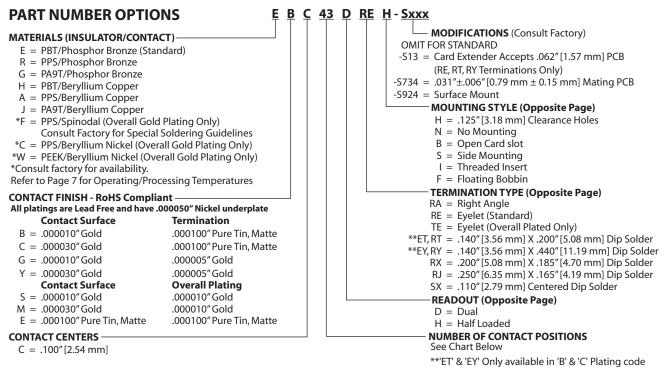


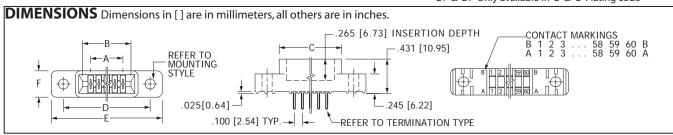




.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle for .062"[1.57 mm] or .031" [0.79 mm] Mating PCB







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

POSITIONS/	INCHES						MILLIMETERS					
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38
04/08*	0.300	0.500	0.675	0.975	1.275		7.62	12.70	17.15	24.77	32.39	
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	0.330	40.64	45.72	50.17	57.79	65.41	8.38
18/36	1.700	1.900	2.075	2.375	2.675	0.550	43.18	48.26	52.71	60.33	67.95	0.50
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		86.36	91.44	95.89	103.51	111.13	
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	0.400	109.22	114.30	118.75	126.37	133.99	10.16
49/98	4.800	5.000	5.175	5.475	5.775	0.400	121.92	127.00	131.45	139.07	146.69	10.16
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	

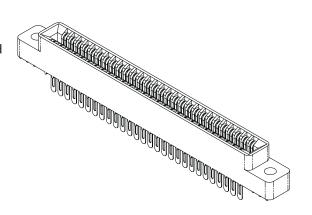
^{*} Consult factory for availability.

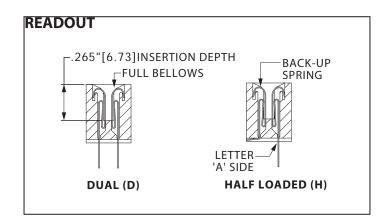


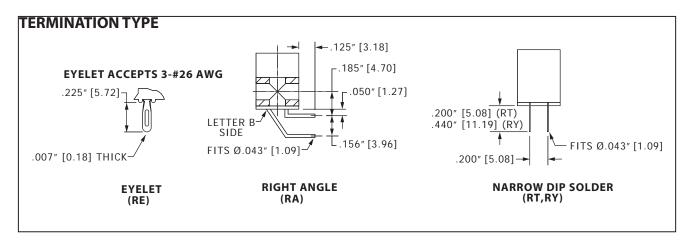


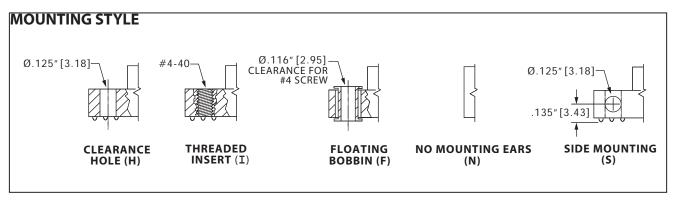
.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle for .093" [2.36 mm] Mating PCB

- Accommodates .093" ± .008" [2.36 mm ± 0.20 mm] PC board
- 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







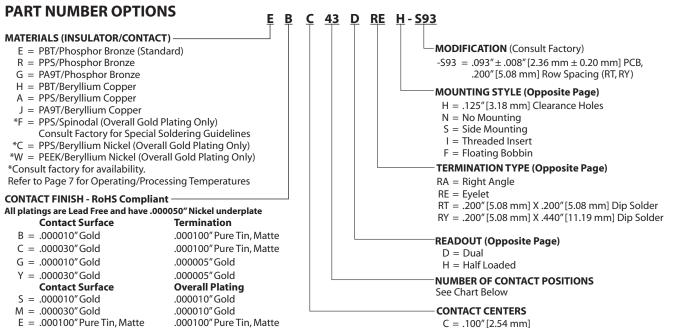


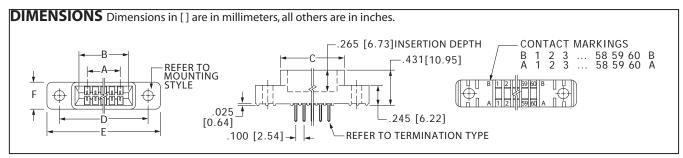




.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle for .093" [2.36 mm] Mating PCB







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

POSITIONS/				INCHES					MI	LLIMETER	S	
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38
04/08*	0.300	0.500	0.675	0.975	1.275		7.62	12.70	17.15	24.77	32.39	
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	0.330	40.64	45.72	50.17	57.79	65.41	8.38
18/36	1.700	1.900	2.075	2.375	2.675	0.550	43.18	48.26	52.71	60.33	67.95	0.30
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		86.36	91.44	95.89	103.51	111.13	
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	0.400	121.92	127.00	131.45	139.07	146.69	10.16
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	
65/125	6.400	6.600	6.775	7.075	7.375		162.56	167.64	172.09	179.71	187.33	

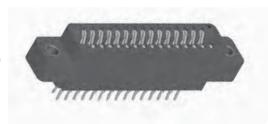
^{*} Consult factory for availability.

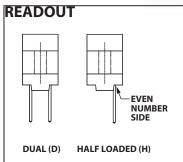
SULLINS

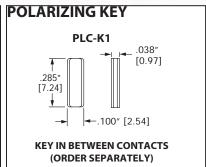
.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle/Card Extender

SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 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







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]
СТ	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]
СВ	RIGHT ANGLE	.025" [0.64] SQUARE	.180" [4.57]	.043" [1.09]
СС	RIGHT ANGLE	.025" [0.64] SQUARE	.250" [6.35]	.043" [1.09]

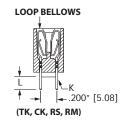
LOOP BELLOWS	TERMINATION TYPE	POST CROSS SECTION	POST LENGTH L .025" [0.64]	FITS MIN. HOLE SIZE	
TK,CK	DIP SOLDER	.025" [0.64] ROUND	.190" [4.83]	.033" [0.84]	
RS	DIP SOLDER	.025" [0.64] SQUARE	.190" [4.83]	.040" [1.02]	
RM	WIRE WRAP	.025" [0.64] SQUARE	.560" [14.20]	.040" [1.02]	
TA	RIGHT ANGLE	.025"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

200" [5.08]

(CW, CT, CS, CM)

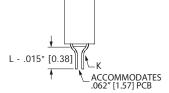




RIGHT ANGLE .030" [0.76]-.275 [6.98] ODD NUMBER SIDE 1.150" [3.81]

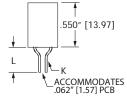
(CA, CB, CC, TA, TB, TM, KA, KE, KU, KJ)

HAIRPIN or LOOP CARD EXTENDER

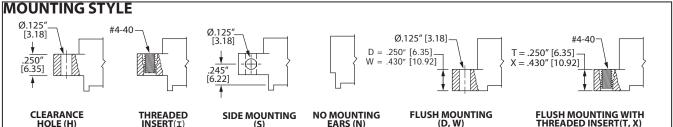


(CT, CS, CM, TK, CK, RS, RM) Example P/N: EBC10DCSN-S288 (Requires -S288 Modification Code)

CANTILEVER CARD EXTENDER



(KR, KN) Example P/N: EBC10DKRN (Omit Modification Code)





C = .100'' [2.54 mm]

READOUT (Opposite Page)

See Chart Below

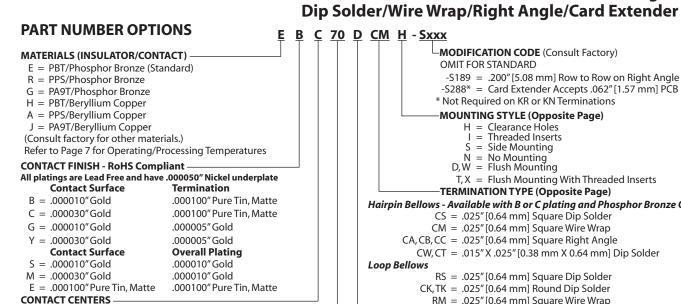
H = Half Loaded

D = Dual

NUMBER OF CONTACT POSITIONS

.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height,





-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 = 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 SolderCM = .025'' [0.64 mm] Square Wire Wrap

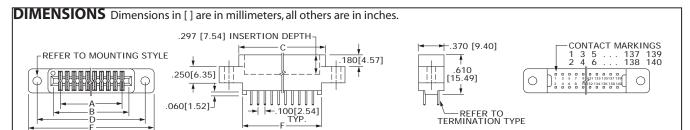
CA, CB, CC = .025" [0.64 mm] Square Right Angle CW, CT = .015" X .025" [0.38 mm X 0.64 mm] Dip Solder

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 SolderKM = .025'' [0.64 mm] Square Wire WrapKA, KE, KU, KJ = .025'' [0.64 mm] Square Right Angle KR, KN = .025" [0.64 mm] Square Card Extender



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

POSITIONS/			INC	HES			MILLIMETERS					
CONTACTS	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.



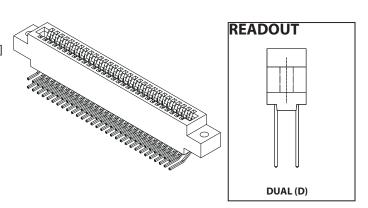
.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Profile, .400" [10.16 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle/Card Extender for .062" or .093" Mating PCB

SPECIFICATIONS

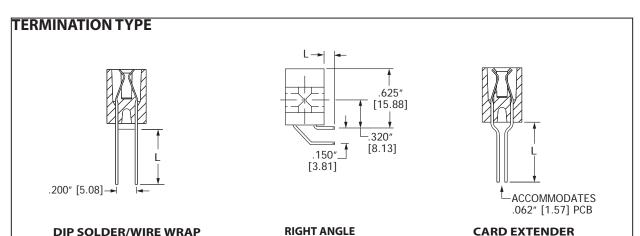
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] or .093" ± .008" [2.36 mm ± 0.20 mm] mating PCB
- PPS, PBT or PA9T insulator
- 3 Amps current rating for one contact energized

(KS, KD, KM)

- 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0

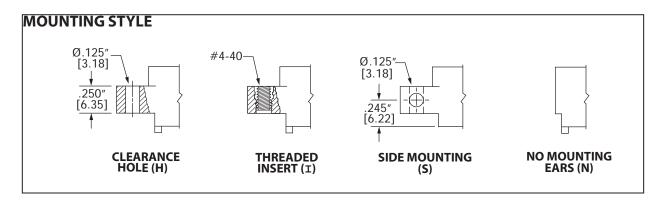


(KR, KN)



(KA, KE, KU, KJ)

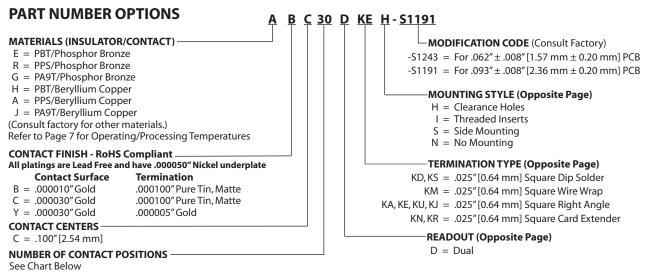
TERMINATION	TERMINATION TYPE	POST LENGTH L ±.025" [0.64]	FITS MIN. HOLE SIZE	STANDOFF
KD	DIP SOLDER	.160" [4.06]	.043" [1.09]	YES
KS	DIP SOLDER	.190" [4.83]	.040" [1.02]	YES
КМ	WIRE WRAP	.560" [14.22]	.040" [1.02]	YES
KA	RIGHT ANGLE	.100" [2.54]	.043" [1.09]	NO
KE	RIGHT ANGLE	.180" [4.57]	.043" [1.09]	NO
KU	RIGHT ANGLE	.250" [6.35]	.043" [1.09]	NO
КЈ	RIGHT ANGLE	.500" [12.70]	.043" [1.09]	NO
KR	CARD EXTENDER	.235″ [5.97]	N/A	NO
KN	CARD EXTENDER	.605" [15.37]	N/A	NO

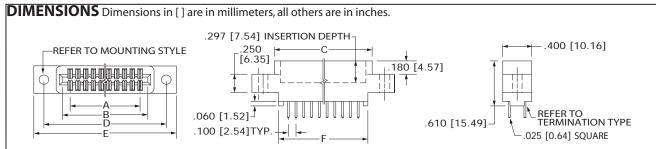




.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Profile, .400" [10.16 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle/Card Extender for .062" or .093" Mating PCB







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

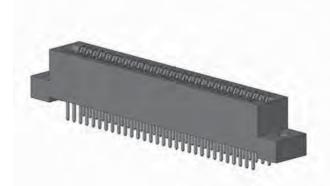
POSITIONS/			INC	CHES					MILLI	METERS		
CONTACTS	A±.008	B±.012	C±.015	D±.010	E±.020	F±.015	A±0.20	B±0.30	C±0.38	D±0.25	E±0.51	F±0.38
04/08	0.300	0.500	0.660	0.975	1.235	0.542	7.62	12.70	16.76	24.77	31.37	13.77
05/10	0.400	0.600	0.760	1.075	1.335	0.642	10.16	15.24	19.30	27.31	33.91	16.31
06/12	0.500	0.700	0.860	1.175	1.435	0.742	12.70	17.78	21.84	29.85	36.45	18.85
07/14*	0.600	0.800	0.960	1.275	1.535	0.842	15.24	20.32	24.38	32.39	38.99	21.39
08/16	0.700	0.900	1.060	1.375	1.635	0.942	17.78	22.86	26.92	34.93	41.53	23.93
09/18	0.800	1.000	1.160	1.475	1.735	1.042	20.32	25.40	29.46	37.47	44.07	26.47
10/20	0.900	1.100	1.260	1.575	1.835	1.142	22.86	27.94	32.00	40.01	46.61	29.01
12/24	1.100	1.300	1.460	1.775	2.035	1.342	27.94	33.02	37.08	45.09	51.69	34.09
13/26*	1.200	1.400	1.560	1.875	2.135	1.442	30.48	35.56	39.62	47.63	54.23	36.63
15/30	1.400	1.600	1.760	2.075	2.335	1.642	35.56	40.64	44.70	52.71	59.31	41.71
16/32	1.500	1.700	1.860	2.175	2.435	1.742	38.10	43.18	47.24	55.25	61.85	44.25
17/34*	1.600	1.800	1.960	2.275	2.535	1.842	40.64	45.72	49.78	57.79	64.39	46.79
18/36*	1.700	1.900	2.060	2.375	2.635	1.942	43.18	48.26	52.32	60.33	66.93	49.33
20/40	1.900	2.100	2.260	2.575	2.835	2.142	48.26	53.34	57.40	65.41	72.01	54.41
22/44	2.100	2.300	2.460	2.775	3.035	2.342	53.34	58.42	62.48	70.49	77.09	59.49
24/48*	2.300	2.500	2.660	2.975	3.235	2.542	58.42	63.50	67.56	75.57	82.17	64.57
25/50	2.400	2.600	2.760	3.075	3.335	2.642	60.96	66.04	70.10	78.11	84.71	67.11
28/56*	2.700	2.900	3.060	3.375	3.635	2.942	68.58	73.66	77.72	85.73	92.33	74.73
30/60	2.900	3.100	3.260	3.575	3.835	3.142	73.66	78.74	82.80	90.81	97.41	79.81
31/62*	3.000	3.200	3.360	3.675	3.935	3.242	76.20	81.28	85.34	93.35	99.95	82.35
35/70	3.400	3.600	3.760	4.075	4.335	3.642	86.36	91.44	95.50	103.51	110.11	92.51
36/72*	3.500	3.700	3.860	4.175	4.435	3.742	88.90	93.98	98.04	106.05	112.65	95.05
40/80	3.900	4.100	4.260	4.575	4.835	4.142	99.06	104.14	108.20	116.21	122.81	105.21
43/86	4.200	4.400	4.560	4.875	5.135	4.442	106.68	111.76	115.82	123.83	130.43	112.83
44/88	4.300	4.500	4.660	4.975	5.235	4.542	109.22	114.30	118.36	126.37	132.97	115.37
49/98*	4.800	5.000	5.160	5.475	5.735	5.042	121.92	127.00	131.06	139.07	145.67	128.07
50/100	4.900	5.100	5.260	5.575	5.835	5.142	124.46	129.54	133.60	141.61	148.21	130.61
55/110	5.400	5.600	5.760	6.075	6.335	5.642	137.16	142.24	146.30	154.31	160.91	143.31
60/120*	5.900	6.100	6.260	6.575	6.835	6.142	149.86	154.94	159.00	167.01	173.61	156.01
61/122*	6.000	6.200	6.360	6.675	6.935	6.242	152.40	157.48	161.54	169.55	176.15	158.55
65/130	6.400	6.600	6.760	7.075	7.335	6.642	162.56	167.64	171.70	179.71	186.31	168.71
70/140	6.900	7.100	7.260	7.575	7.835	7.142	175.26	180.34	184.40	192.41	199.01	181.41

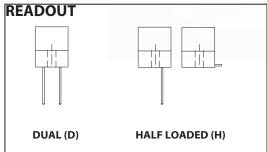
^{*} Consult factory for availability.



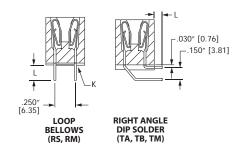
.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Profile, .470" [11.94 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle/Card Extender for .093" or .125" Mating PCB

- Accommodates .093" ± .008" [2.36 mm ± 0.20 mm] or .125" ± .008" [3.18 mm ± 0.20 mm] mating PCB (Consult Factory for .031" ± .006" [0.79 mm ± 0.15 mm] PC Board)
- · 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

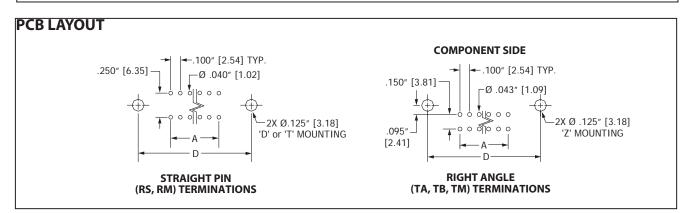


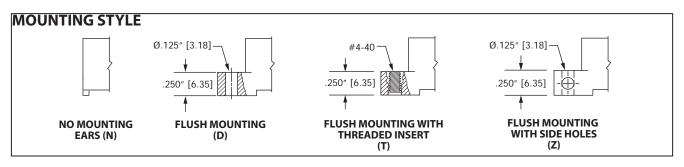






TE	RMINATION TYPE	POST CROSS SECTION (K)	POST LENGTH L ±.025 [0.64]	FITS MIN. HOLE SIZE
RS	Dip Solder	.025" [0.64] SQ.	.190" [4.83]	.040" [1.02]
RM	Wire Wrap	.025" [0.64] SQ.	.560" [14.20]	.040" [1.02]
TA	Right Angle	.025" [0.64] SQ.	.100" [2.54]	.043" [1.09]
ТВ	Right Angle	.025" [0.64] SQ.	.180″ [4.57]	.043" [1.09]
TM	Right Angle	.025" [0.64] SQ.	.250" [6.35]	.043" [1.09]

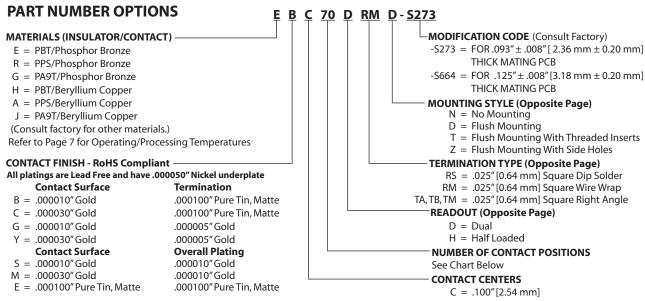


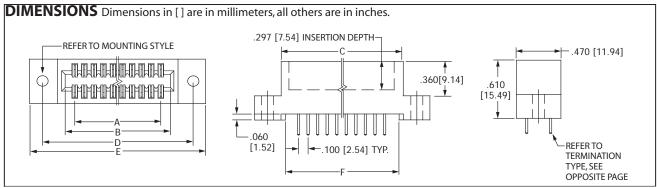




.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Profile, .470" [11.94 mm] Wide Body, Dip Solder/Wire Wrap/Right Angle/Card Extender for .093"or .125" Mating PCB







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

CONTACTS	A±.008			HES			MILLIMETERS					
	A±.000	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
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

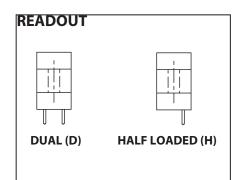
^{*} Consult factory for availability.

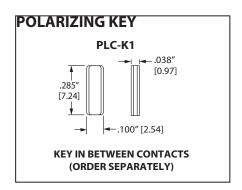


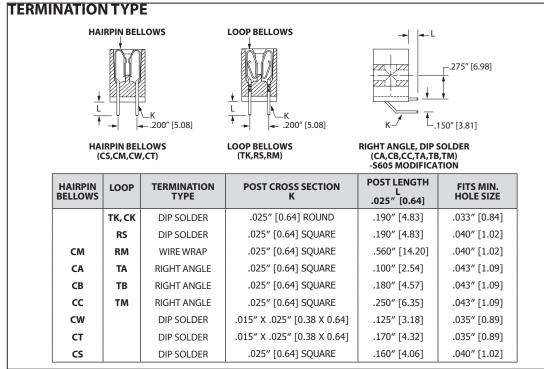
.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, [ISA] Dip Solder/Wire Wrap/Right Angle

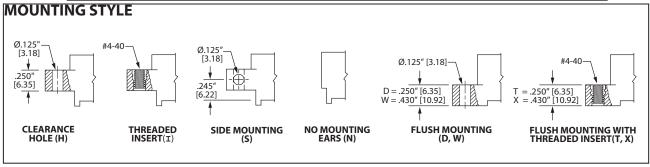
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- PBT or PA9T insulator
- Molded-in key available
- 3 Amps current rating for one contact energized
- 30 milli Ohms maximum at rate current
- UL Flammability Rating: 94V-0









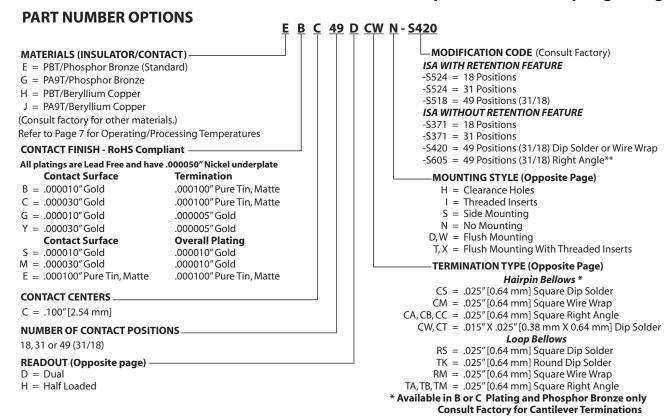


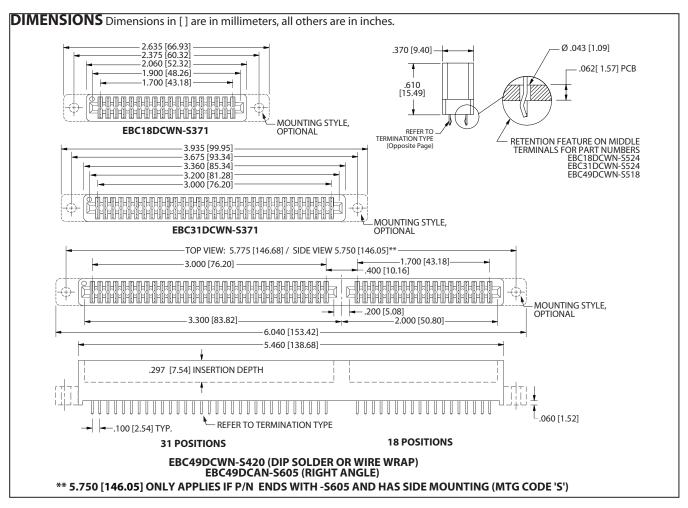


Female Card Edge

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







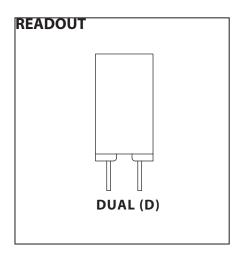


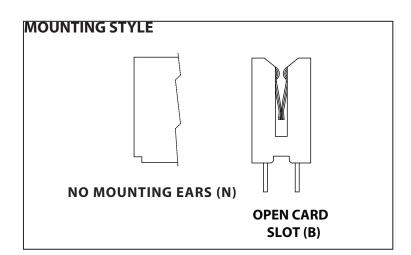


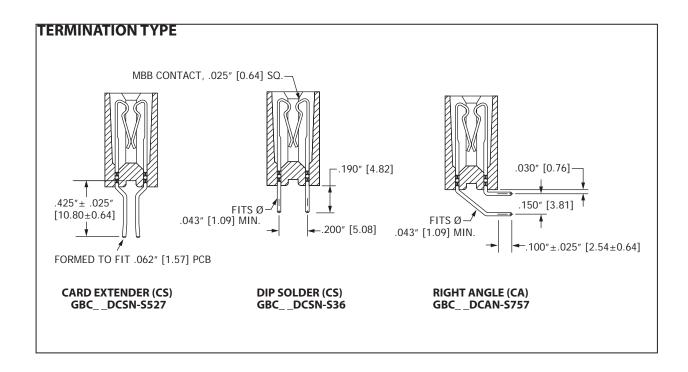
.100" [2.54 mm] Contact Centers, .690" [17.52 mm] Insulator Height, Make Before Break Dip Solder/Card Extender/Right Angle

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- · 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





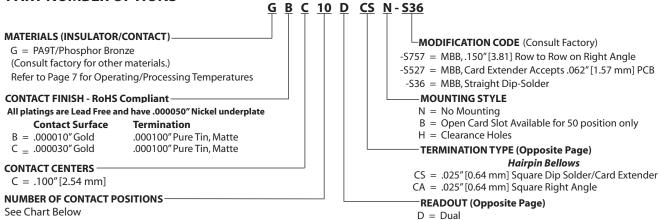


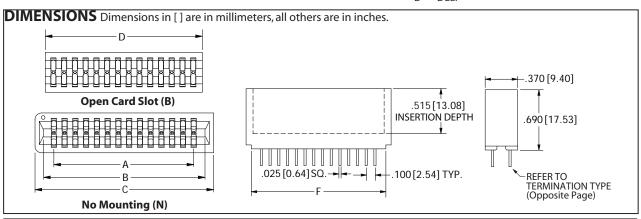


.100" [2.54 mm] Contact Centers, .690" [17.52 mm] Insulator Height, Make Before Break Dip Solder/Card Extender/Right Angle

PART NUMBER OPTIONS

JLLINS





POSITIONS/	A±.008	B [0.20]	B±.008	3 [0.20]	C±.015	[0.38]	D±.020	0.51]	F±.020 [0.51]		
CONTACTS	in	mm	in	mm	in	mm	in	mm	in	mm	
02/04*	0.100	2.54	0.300	7.62	0.460	11.68	0.250	6.35	0.340	8.64	
04/08*	0.300	7.62	0.500	12.70	0.660	16.76	0.450	11.43	0.540	13.72	
06/12*	0.500	12.70	0.700	17.78	0.860	21.84	0.650	16.51	0.740	18.80	
08/16*	0.700	17.78	0.900	22.86	1.060	26.92	0.850	21.59	0.940	23.88	
10/20*	0.900	22.86	1.100	27.94	1.260	32.00	1.050	26.67	1.140	28.96	
12/24*	1.100	27.94	1.300	33.02	1.460	37.08	1.250	31.75	1.340	34.04	
14/28	1.300	33.02	1.500	38.10	1.660	42.16	1.450	36.83	1.540	39.12	
16/32*	1.500	38.10	1.700	43.18	1.860	47.24	1.650	41.91	1.740	44.20	
18/36*	1.700	43.18	1.900	48.26	2.060	52.32	1.850	46.99	1.940	49.28	
20/40*	1.900	48.26	2.100	53.34	2.260	57.40	2.050	52.07	2.140	54.36	
22/44*	2.100	53.34	2.300	58.42	2.460	62.48	2.250	57.15	2.340	59.44	
24/48*	2.300	58.42	2.500	63.50	2.660	67.56	2.450	62.23	2.540	64.52	
26/52*	2.500	63.50	2.700	68.58	2.860	72.64	2.650	67.31	2.740	69.60	
28/56*	2.700	68.58	2.900	73.66	3.060	77.72	2.850	72.39	2.940	74.68	
30/60*	2.900	73.66	3.100	78.74	3.260	82.80	3.050	77.47	3.140	79.76	
32/64*	3.100	78.74	3.300	83.82	3.460	87.88	3.250	82.55	3.340	84.84	
34/68*	3.300	83.82	3.500	88.90	3.660	92.96	3.450	87.63	3.540	89.92	
36/72*	3.500	88.90	3.700	93.98	3.860	98.04	3.650	92.71	3.740	95.00	
38/76*	3.700	93.98	3.900	99.06	4.060	103.12	3.850	97.79	3.940	100.08	
40/80*	3.900	99.06	4.100	104.14	4.260	108.20	4.050	102.87	4.140	105.16	
42/84*	4.100	104.14	4.300	109.22	4.460	113.28	4.250	107.95	4.340	110.24	
44/88*	4.300	109.22	4.500	114.30	4.660	118.36	4.450	113.03	4.540	115.32	
46/92*	4.500	114.30	4.700	119.38	4.860	123.44	4.650	118.11	4.740	120.40	
48/96*	4.700	119.38	4.900	124.46	5.060	128.52	4.850	123.19	4.940	125.48	
50/100	4.900	124.46	5.100	129.54	5.260	133.60	5.050	128.27	5.140	130.56	

^{*}Consult factory for availability.

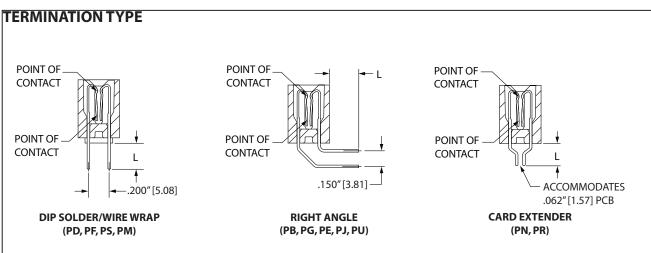




.100" [2.54 mm] Contact Centers, .560" [14.22 mm] Profile, .400" [10.16 mm] Wide Body, Double Point Contact, Dip Solder/Wire Wrap/Right Angle/Card Extender

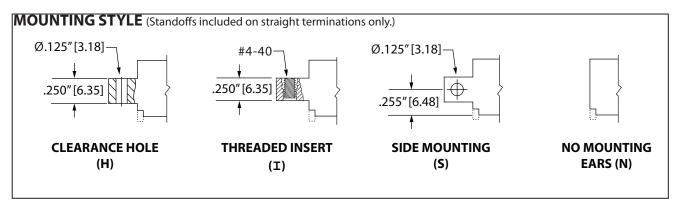
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- · PPS, PBT or PA9T insulator
- 3 Amps current rating for one contact energized
- 30 milli Ohms maximum at rated current
- · UL Flammability Rating: 94V-0





TERMINATION	TERMINATION TYPE	* POST LENGTH L ±.025" [0.64]	FITS MIN. HOLE SIZE	STANDOFF
PD	DIP SOLDER	.160" [4.06]	.043" [1.09]	YES
PS	DIP SOLDER	.190" [4.83]	.043" [1.09]	YES
PF	DIP SOLDER	.270" [6.86]	.043" [1.09]	YES
PM	WIRE WRAP	.560" [14.22]	.043" [1.09]	YES
PB	RIGHT ANGLE	.100" [2.54]	.043" [1.09]	NO
PG	RIGHT ANGLE	.140" [3.56]	.043" [1.09]	NO
PE	RIGHT ANGLE	.180" [4.57]	.043" [1.09]	NO
PU	RIGHT ANGLE	.250" [6.35]	.043" [1.09]	NO
PJ	RIGHT ANGLE	.500" [12.70]	.043" [1.09]	NO
PR	CARD EXTENDER	.225" [5.73]	N/A	NO
PN	CARD EXTENDER	.595" [15.12]	N/A	NO

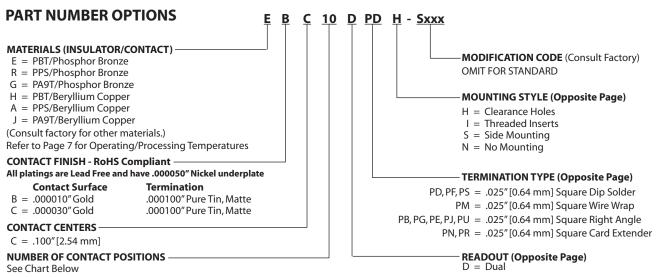
^{*} OTHER POST LENGTHS AVAILABLE, CONTACT FACTORY.

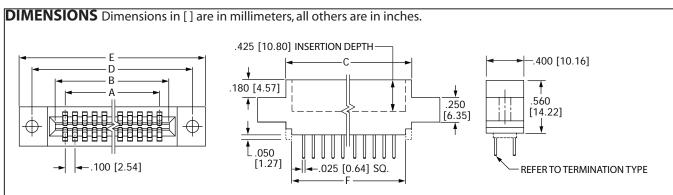




.100" [2.54 mm] Contact Centers, .560" [14.22 mm] Profile, .400" [10.16 mm] Wide Body, Double Point Contact, Dip Solder/Wire Wrap/Right Angle/Card Extender







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

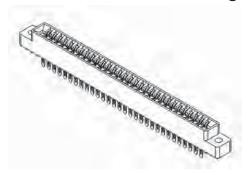
POSITIONS/			INC	HES			MILLIMETERS					
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F±.015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.38
06/12	0.500	0.700	0.860	1.175	1.435	0.740	12.70	17.78	21.84	29.85	36.45	18.80
07/14*	0.600	0.800	0.960	1.275	1.535	0.840	15.24	20.32	24.38	32.39	38.99	21.34
08/16	0.700	0.900	1.060	1.375	1.635	0.940	17.78	22.86	26.92	34.93	41.53	23.88
10/20	0.900	1.100	1.260	1.575	1.835	1.140	22.86	27.94	32.00	40.01	46.61	28.96
12/24*	1.100	1.300	1.460	1.775	2.035	1.340	27.94	33.02	37.08	45.09	51.69	34.04
13/26*	1.200	1.400	1.560	1.875	2.135	1.440	30.48	35.56	39.62	47.63	54.23	36.58
15/30	1.400	1.600	1.760	2.075	2.335	1.640	35.56	40.64	44.70	52.71	59.31	41.66
17/34*	1.600	1.800	1.960	2.275	2.535	1.840	40.64	45.72	49.78	57.79	64.39	46.74
18/36*	1.700	1.900	2.060	2.375	2.635	1.940	43.18	48.26	52.32	60.33	66.93	49.28
20/40	1.900	2.100	2.260	2.575	2.835	2.140	48.26	53.34	57.40	65.41	72.01	54.36
22/44*	2.100	2.300	2.460	2.775	3.035	2.340	53.34	58.42	62.48	70.49	77.09	59.44
24/48*	2.300	2.500	2.660	2.975	3.235	2.540	58.42	63.50	67.56	75.57	82.17	64.52
25/50*	2.400	2.600	2.760	3.075	3.335	2.640	60.96	66.04	70.10	78.11	84.71	67.06
28/56*	2.700	2.900	3.060	3.375	3.635	2.940	68.58	73.66	77.72	85.73	92.33	74.68
30/60	2.900	3.100	3.260	3.575	3.835	3.140	73.66	78.74	82.80	90.81	97.41	79.76
31/62*	3.000	3.200	3.360	3.675	3.935	3.240	76.20	81.28	85.34	93.35	99.95	82.30
35/70*	3.400	3.600	3.760	4.075	4.335	3.640	86.36	91.44	95.50	103.51	110.11	92.46
36/72*	3.500	3.700	3.860	4.175	4.435	3.740	88.90	93.98	98.04	106.05	112.65	95.00
40/80	3.900	4.100	4.260	4.575	4.835	4.140	99.06	104.14	108.20	116.21	122.81	105.16
43/86	4.200	4.400	4.560	4.875	5.135	4.440	106.68	111.76	115.82	123.83	130.43	112.78
44/88	4.300	4.500	4.660	4.975	5.235	4.540	109.22	114.30	118.36	126.37	132.97	115.32
49/98*	4.800	5.000	5.160	5.475	5.735	5.040	121.92	127.00	131.06	139.07	145.67	128.02
50/100	4.900	5.100	5.260	5.575	5.835	5.140	124.46	129.54	133.60	141.61	148.21	130.56
55/110*	5.400	5.600	5.760	6.075	6.335	5.640	137.16	142.24	146.30	154.31	160.91	143.26
60/120*	5.900	6.100	6.260	6.575	6.835	6.140	149.86	154.94	159.00	167.01	173.61	155.96
61/122*	6.000	6.200	6.360	6.675	6.935	6.240	152.40	157.48	161.54	169.55	176.15	158.50
65/130*	6.400	6.600	6.760	7.075	7.335	6.640	162.56	167.64	171.70	179.71	186.31	168.66
70/140*	6.900	7.100	7.260	7.575	7.835	7.140	175.26	180.34	184.40	192.41	199.01	181.36

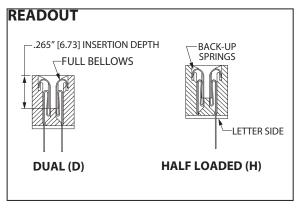
* Consult factory for availability.

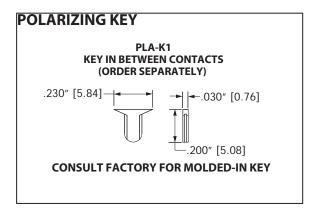


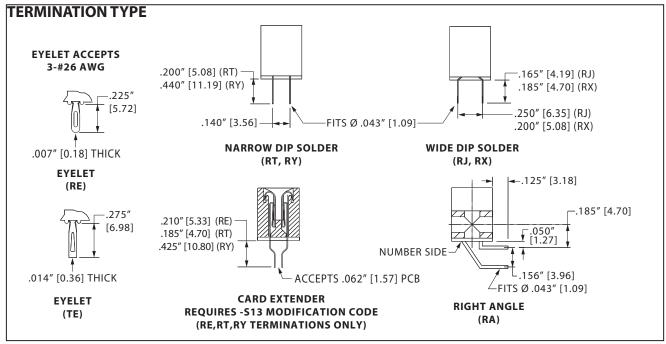
.125" [3.18 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle for .062" [1.57 mm] or .031" [0.79 mm] Mating PCB

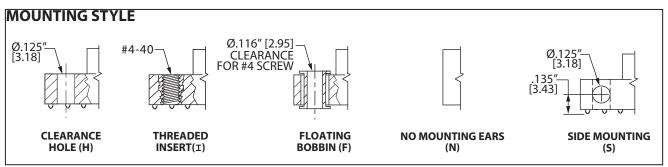
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board or .031" ± .006" [0.79 mm ± 0.15 mm] PC board
- · Molded-in key available
- 3 Amps current rating for one contact energized
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0









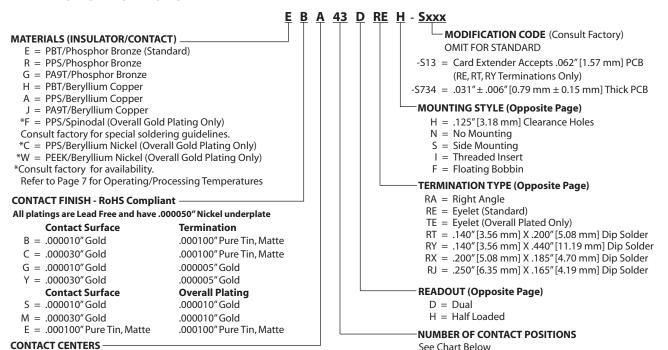


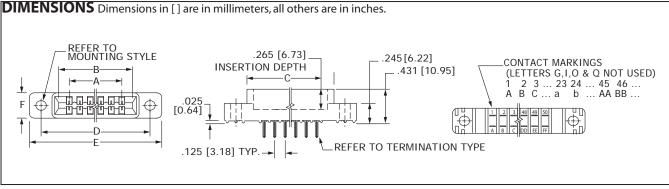


A = .125''[3.18 mm]

.125" [3.18 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





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

POSITIONS/				INCHES					MIL	LIMETERS	;	
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38
06/12	0.625	0.875	1.035	1.295	1.575		15.88	22.23	26.29	32.89	40.01	
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	0.330	66.68	73.03	77.09	83.69	90.81	8.38
28/56	3.375	3.625	3.785	4.045	4.325	0.550	85.73	92.08	96.14	102.74	109.86	0.38
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		111.13	117.48	121.54	128.14	135.26	
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	0.370	136.53	142.88	146.94	153.54	160.66	9.40
49/98	6.000	6.250	6.410	6.670	6.950	0	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	



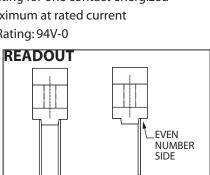
.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle

SPECIFICATIONS

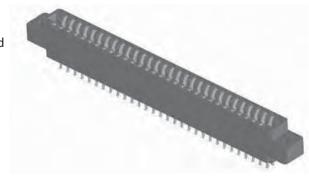
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board (See following pages for $.093'' \pm .008''$ [2.36 mm ± 0.20 mm] and $.125'' \pm .008''$ [3.18 mm ± 0.20 mm] mating PCB)
- · PBT, PPS or PA9T insulator
- · Molded-in key available
- 3 Amps current rating for one contact energized

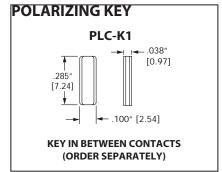
DUAL (D)

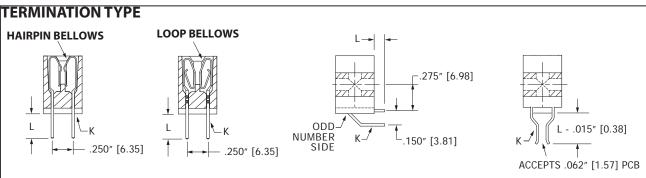
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0



HALF LOADED (H)







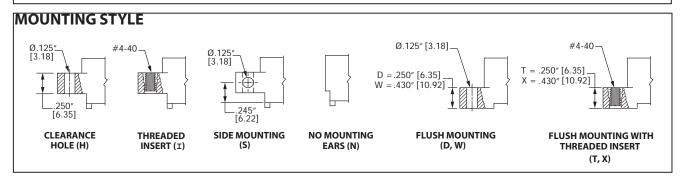
HAIRPIN BELLOWS (CS,CM,CW,CT)

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
DEELOWS	TK, CK	DIP SOLDER	.025" [0.64] ROUND	.190" [4.83]	.033" [0.84]
	RS	DIP SOLDER	.025" [0.64] SQUARE		
	KS	DIP SOLDER		.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]
СВ	ТВ	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]
СТ		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]

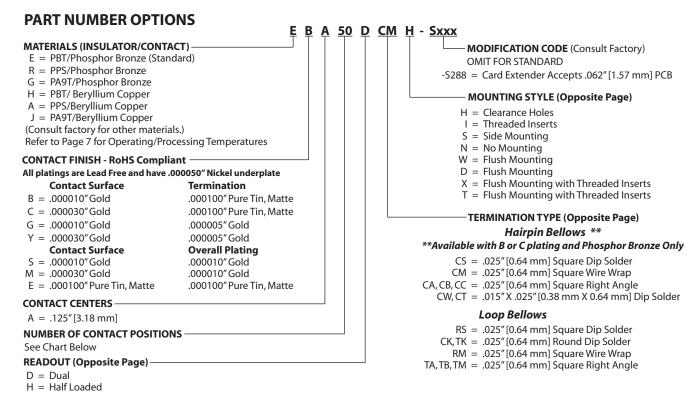


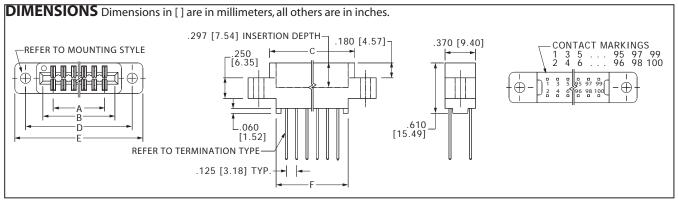


Female Card Edge

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







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

POSITIONS/		INCHES							MILLIMETERS					
CONTACTS	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		

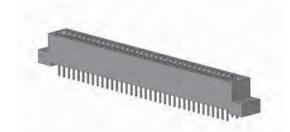
^{*} Consult factory for availability.

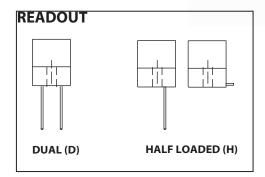


.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB

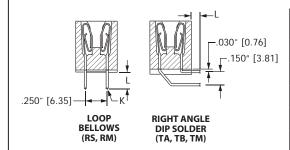
SPECIFICATIONS

- Accommodates .093" ± .008" [2.36 mm 0.20 mm] PC board or .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

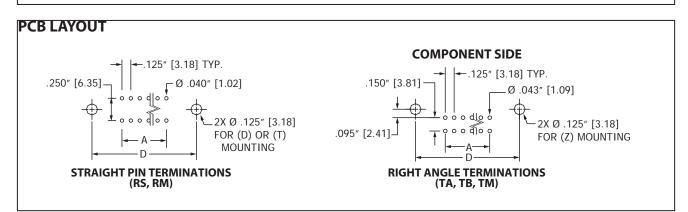


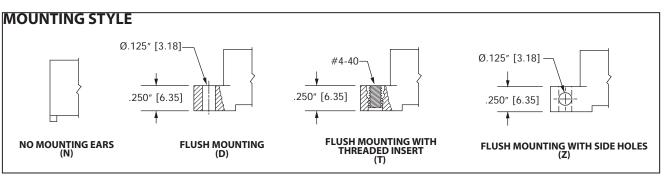


TERMINATION TYPE



TERMINATION TYPE	POST CROSS SECTION (K)	POST LENGTH L ± .025" [0.64]	FITS MIN. HOLE SIZE		
RS DIP SOLDER	.025" [0.64] SQ.	.190" [4.83]	.040" [1.02]		
RM WIREWRAP	.025" [0.64] SQ.	.560" [14.20]	.040" [1.02]		
TA RIGHT ANGLE	.025" [0.64] SQ.	.100" [2.54]	.043" [1.09]		
TB RIGHT ANGLE	.025" [0.64] SQ.	.180″ [4.57]	.043" [1.09]		
TM RIGHT ANGLE	.025" [0.64] SQ.	.250" [6.35]	.043" [1.09]		





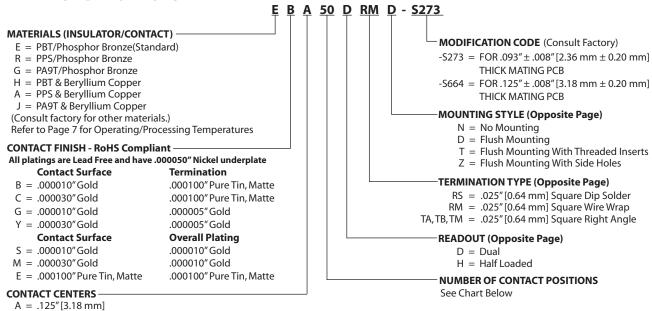


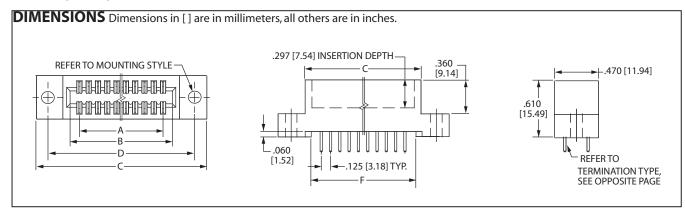


.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB



PART NUMBER OPTIONS





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

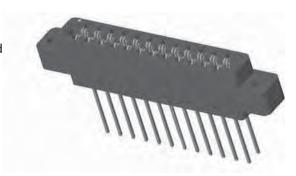
POSITIONS/	INCHES							MILLIMETERS						
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F±.015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.38		
06/12*	0.625	0.875	1.035	1.295	1.555	0.915	15.88	22.23	26.29	32.89	39.50	23.24		
08/16*	0.875	1.125	1.285	1.545	1.805	1.165	22.23	28.58	32.64	39.24	45.85	29.59		
10/20*	1.125	1.375	1.535	1.795	2.055	1.415	28.58	34.93	38.99	45.59	52.20	35.94		
14/28*	1.625	1.875	2.035	2.295	2.555	1.915	41.28	47.63	51.69	58.29	64.90	48.64		
15/30*	1.750	2.000	2.160	2.420	2.680	2.040	44.45	50.80	54.86	61.47	68.07	51.82		
18/36*	2.125	2.375	2.535	2.795	3.055	2.415	53.98	60.33	64.39	70.99	77.60	61.34		
22/44*	2.625	2.875	3.035	3.295	3.555	2.915	66.68	73.03	77.09	83.69	90.30	74.04		
24/48*	2.875	3.125	3.285	3.545	3.805	3.165	73.03	79.38	83.44	90.04	96.65	80.39		
25/50	3.000	3.250	3.410	3.670	3.930	3.290	76.20	82.55	86.61	93.22	99.82	83.57		
28/56*	3.375	3.625	3.785	4.045	4.305	3.665	85.73	92.08	96.14	102.74	109.35	93.09		
30/60	3.625	3.875	4.035	4.295	4.555	3.915	92.08	98.43	102.49	109.09	115.70	99.44		
31/62*	3.750	4.000	4.160	4.420	4.680	4.040	95.25	101.60	105.66	112.27	118.87	102.62		
32/64	3.875	4.125	4.285	4.545	4.805	4.165	98.43	104.78	108.84	115.44	122.05	105.79		
35/70*	4.250	4.500	4.660	4.920	5.180	4.540	107.95	114.30	118.36	124.97	131.57	115.32		
36/72	4.375	4.625	4.785	5.045	5.305	4.665	111.13	117.48	121.54	128.14	134.75	118.49		
40/80*	4.875	5.125	5.285	5.545	5.805	5.165	123.83	130.18	134.24	140.84	147.45	131.19		
43/86*	5.250	5.500	5.660	5.920	6.180	5.540	133.35	139.70	143.76	150.37	156.97	140.72		
44/88*	5.375	5.625	5.785	6.045	6.305	5.665	136.53	142.88	146.94	153.54	160.15	143.89		
49/98*	6.000	6.250	6.410	6.670	6.930	6.290	152.40	158.75	162.81	169.42	176.02	159.77		
50/100	6.125	6.375	6.535	6.795	7.055	6.415	155.58	161.93	165.99	172.59	179.20	162.94		

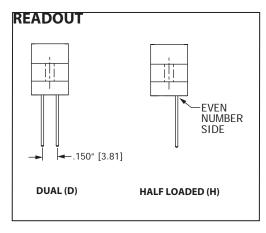
^{*} Consult factory for availability.

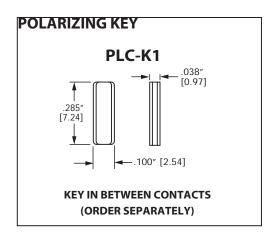


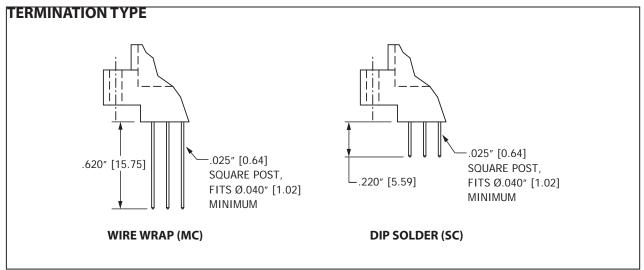
.150" [3.81 mm] Contact Centers, .550" [13.97 mm] Insulator Height, Dip Solder/Wire Wrap

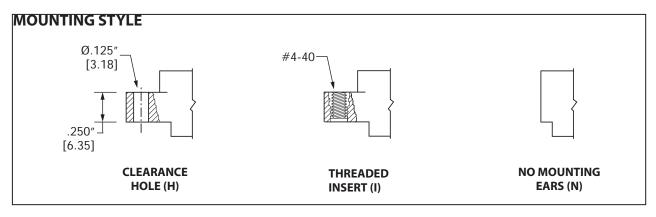
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- · PBT, PPS or PA9T insulator
- · Molded-in key available
- · 3 Amps current rating for one contact energized
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0









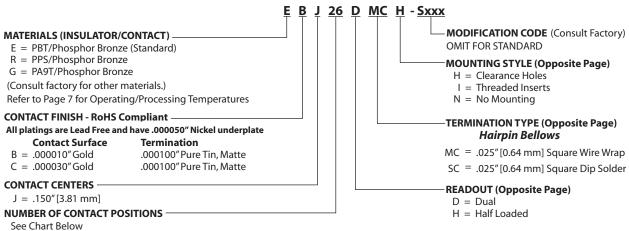


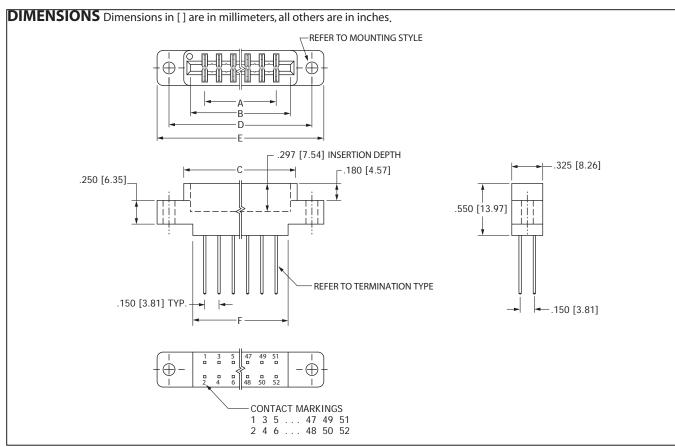


.150" [3.81 mm] Contact Centers, .550" [13.97 mm] Insulator Height,



PART NUMBER OPTIONS





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		
12/24	1.650	1.950	2.090	2.400	2.650	1.900	41.91	49.53	53.09	60.96	67.31	48.26		
18/36*	2.550	2.850	2.990	3.300	3.550	2.800	64.77	72.39	75.95	83.82	90.17	71.12		
22/44*	3.150	3.450	3.590	3.900	4.150	3.400	80.01	87.63	91.19	99.06	105.41	86.36		
26/52	3.750	4.050	4.190	4.500	4.750	4.000	95.25	102.87	106.43	114.30	120.65	101.60		
28/56*	4.050	4.350	4.490	4.800	5.050	4.300	102.87	110.49	114.05	121.92	128.27	109.22		

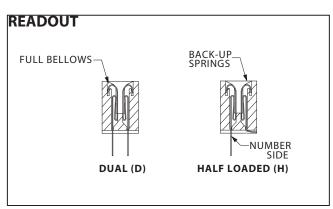
^{*} Consult factory for availability.

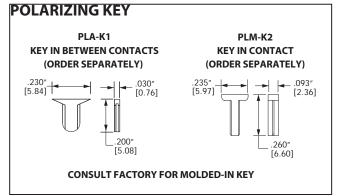


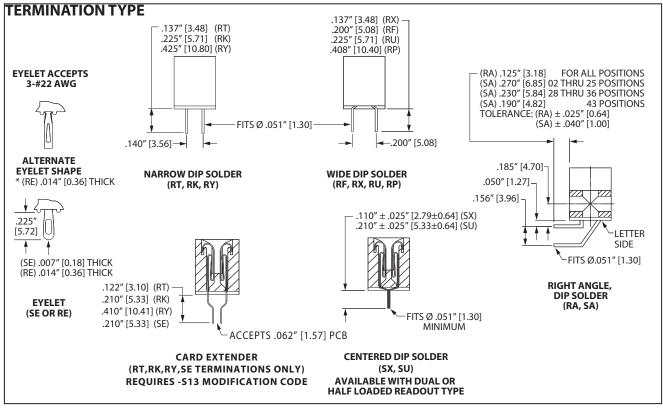
.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder/Eyelet/Right Angle

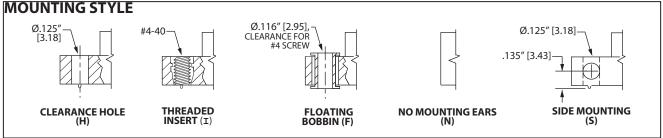
- Accommodates $.062'' \pm .008''$ [1.57 mm ± 0.20 mm] PC board
- · Molded-in key available
- 3 Amps current rating for one contact energized (for 5 Amps application, consult factory)
- 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0











^{*} Beryllium Copper & Beryllium Nickel (H, A, J, F, C & W Material Codes) Only.



.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, **Dip Solder/Eyelet/Right Angle**



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

.000100" Pure Tin, Matte B = .000010" GoldC = .000030" Gold.000100" Pure Tin, Matte

.000005" Gold G = .000010" GoldY = .000030" Gold .000005" Gold **Overall Plating**

Contact Surface = .000010" Gold .000010" Gold M = .000030'' Gold.000010" Gold

E = .000100'' Pure Tin, Matte .000100" Pure Tin, Matte

CONTACT CENTERS

M = .156''[3.96 mm]

NUMBER OF CONTACT POSITIONS

See Chart Below

B M 43 D RK H - Sxxx

MODIFICATION CODE (Consult Factory)

OMIT FOR STANDARD

-S13 = Card Extender Accepts .062" [1.57 mm] PCB (RT, RK, RY, SE Terminations Only)

MOUNTING STYLE (Opposite Page)

H = .125''[3.18 mm] Clearance Holes

N = No Mounting

S = Side Mounting I = Threaded Insert

F = Floating Bobbin

TERMINATION TYPE (Opposite Page)

RA = .125" [3.18 mm] Right Angle Dip Solder

SA = Long Right Angle Dip Solder

 $RT = .140'' \times .137'' [3.56 \text{ mm } \times 3.48 \text{ mm}] \text{ Dip Solder}$ $RK = .140" \times .225" [3.56 \text{ mm } \times 5.72 \text{ mm}] \text{ Dip Solder}$ RY = .140" X .425" [3.56 mm X 10.80 mm] Dip SolderRX = .200'' X .137'' [5.08 mm X 3.48 mm] Dip SolderRF = .200'' X .200'' [5.08 mm X 5.08 mm] Dip Solder

RU = .200" X .225" [5.08 mm X 5.72 mm] Dip Solder $RP = .200'' \times .408'' [5.08 \text{ mm } \times 10.36 \text{ mm}] \text{ Dip Solder}$

SX = .110'' [2.79 mm] Centered Dip SolderSU = .210" [5.33 mm] Centered Dip Solder SE = .007'' [0.18 mm] Thick Eyelet

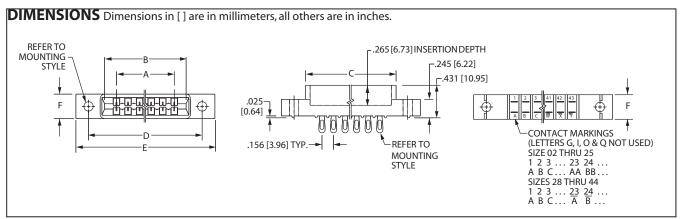
RE = .014'' [0.36 mm] Thick Eyelet

READOUT (Opposite Page)

D = Dual

= Dual Row/ Crimp to Center for Single Readout (SX, SU Termination Only)

H = Half Loaded



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

POSITIONS/				INCHES			MILLIMETERS					
CONTACTS	A±.008	B±.008	C±.015	D±.010	E MAX	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E MAX	F+0.13/-0.38
02/04	0.156	0.476	0.596				3.96	12.09	15.14		•	
03/06	0.312	0.632	0.752	'N' MOL	JNTING		7.92	16.05	19.10	'N' MOL	JNTING	
04/08*	0.468	0.788	0.908				11.89	20.02	23.06			
06/12	0.780	1.100	1.220	1.533	1.902		19.81	27.94	30.99	38.94	48.31]
07/14	0.936	1.256	1.376	1.689	2.058		23.77	31.90	34.95	42.90	52.27	
08/16	1.092	1.412	1.532	1.845	2.214		27.74	35.86	38.91	46.86	56.24	
10/20	1.404	1.724	1.844	2.157	2.526	0.335	35.66	43.79	46.84	54.79	64.16	0.26
11/22	1.560	1.880	2.000	2.313	2.682	0.325	39.62	47.75	50.80	58.75	68.12	8.26
12/24	1.716	2.036	2.156	2.469	2.838		43.59	51.71	54.76	62.71	72.09	
15/30	2.184	2.504	2.624	2.937	3.306		55.47	63.60	66.65	74.60	83.97	
18/36	2.652	2.972	3.092	3.405	3.774		67.36	75.49	78.54	86.49	95.86	
22/44	3.276	3.596	3.716	4.029	4.398		83.21	91.34	94.39	102.34	111.71	
24/48	3.588	3.908	4.028	4.341	4.710		91.14	99.26	102.31	110.26	119.63	
25/50	3.744	4.064	4.184	4.497	4.866		95.10	103.23	106.27	114.22	123.60	
28/56	4.212	4.532	4.652	4.965	5.334	0.438	106.98	115.11	118.16	126.11	135.48	11.13
36/72	5.460	5.780	5.900	6.213	6.582	0.436	138.68	146.81	149.86	157.81	167.18	11.13
43/86	6.552	6.872	6.992	7.305	7.674	0.500	166.42	174.55	177.60	185.55	194.92	12.70
44/88	6.708	7.028	7.148	7.461	7.830	0.300	170.38	178.51	181.56	189.51	198.88	12.70

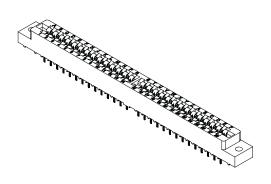
Consult factory for availability.

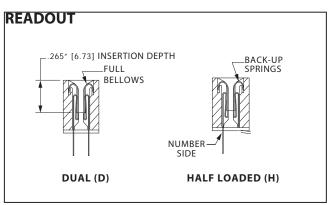


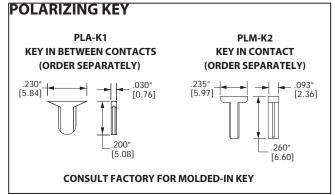
.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Special Body Configuration Dip Solder/Eyelet/Right Angle

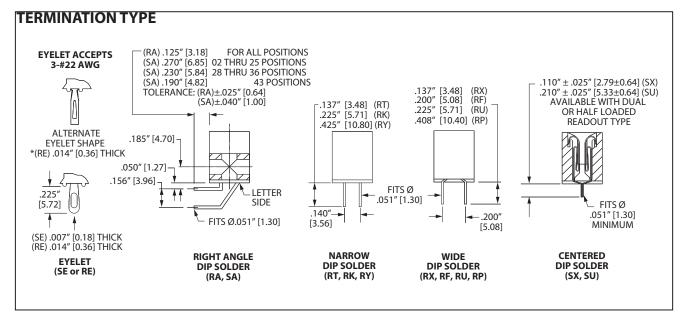
SPECIFICATIONS

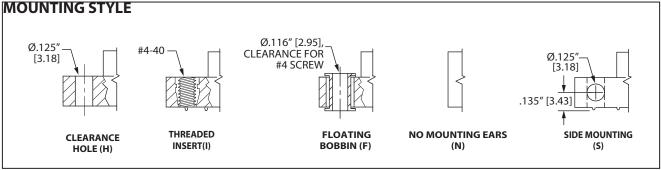
- Accommodates $.062'' \pm .008''$ [1.57 mm ± 0.20 mm] PC board
- · Molded-in key available
- 3 Amps current rating for one contact energized (for 5 Amps application, consult factory)
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0











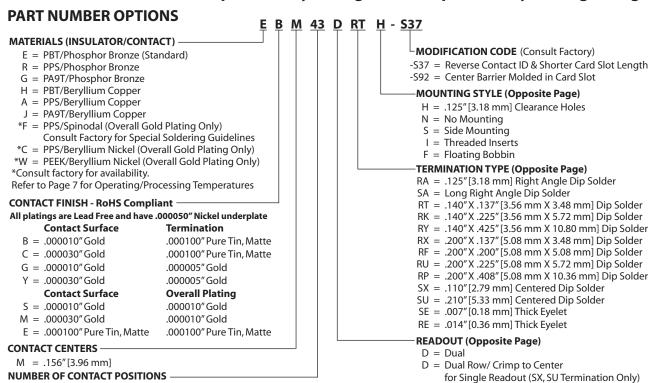
^{*} Beryllium Copper & Beryllium Nickel (H, A, J, F, C & W Material Codes) Only.

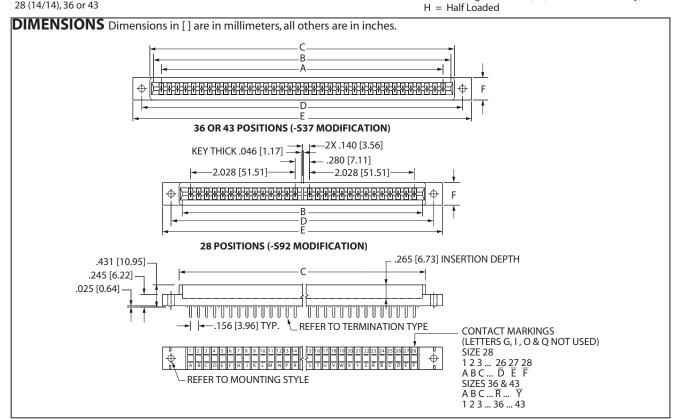




.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Special Body Configuration Dip Solder/Eyelet/Right Angle







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

TOTCT GITTCCS O	11 11011 611	cicai aiiiic	THOIST THE	a, ver, 511	gillery auc	co ommuna	ge annerer	iciai pei ii	iodiacoi ii	iaccital, c	sorisaic ia	cco. y.	
POSITIONS/ INCHES								MILLIMETERS					
CONTACTS	A±.008	B±.008	C±.015	D±.010	E MAX	F+.005/ 015	A±0.20	B±0.20	C±0.38	D±0.25	E MAX	F+0.13/ -0.38	BARRIER
28/56		4.660	4.780	5.093	5.427	0.438		118.36	121.41	129.36	137.85	11.13	YES
36/72	5.460	5.766	5.906	6.219	6.566	0.438	138.68	146.46	150.01	157.96	166.78	11.13	NO
43/86	6.552	6.810	7.000	7.302	7.643	0.500	166.42	172.97	177.80	185.47	194.13	12.70	NO

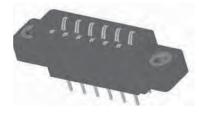
Sullins Female Card Edge

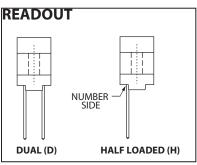
SULLINS

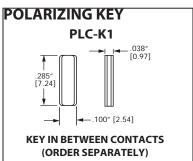
.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle/Card Extender

SPECIFICATIONS

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







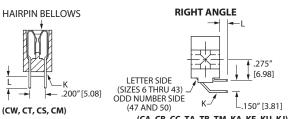
TERMINATION TYPE

HAIRPIN BELLOWS	TERMINATION TYPE	POST CROSS SECTION K	PPOST 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]
СТ	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]
СВ	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]
ТВ	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

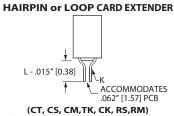
^{*} KA, KE, KJ, KR, KN have no standoffs, unless requested.



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

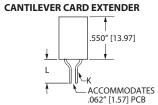
LOOP BELLOWS .200" [5.08]

(TK, CK, RS, RM)



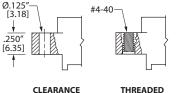
Example P/N: EBM10DCSN-S288 (Requires -S288 Modification Code)

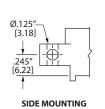




(KR, KN) Example P/N: EBM10DKRN (-S288 Not required)

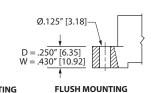
MOUNTING STYLE



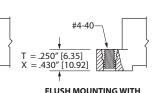




EARS (N)



(D, W)



FLUSH MOUNTING WITH THREADED INSERT(T, X)



.156" [3.96 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

M = .156'' [3.96 mm]

NUMBER OF CONTACT POSITIONS

See Chart Below

READOUT (Opposite Page)

D = Dual

H = Half Loaded

E B M 43 D CM H - Sxxx

— MODIFICATION CODE (Consult Factory)

OMIT FOR STANDARD

-S189 = .200" [5.08 mm] Row Spacing 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)

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

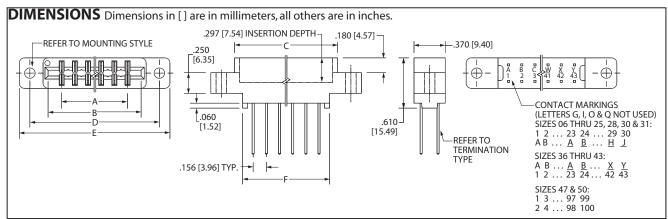
Cantilever Bellows - Available in Y, B, or C Contact Finish Only

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



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

POSITIONS/			INC	HES			MILLIMETERS					
CONTACTS	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	0.780	1.102	1.221	1.534	1.784	1.030	19.81	27.99	31.01	38.96	45.31	26.16
08/16	1.092	1.414	1.533	1.846	2.096	1.342	27.74	35.92	38.94	46.89	53.24	34.09
10/20	1.404	1.726	1.845	2.158	2.408	1.654	35.66	43.84	46.86	54.81	61.16	42.01
12/24	1.716	2.038	2.157	2.470	2.720	1.966	43.59	51.77	54.79	62.74	69.09	49.94
15/30	2.184	2.506	2.625	2.938	3.188	2.434	55.47	63.65	66.68	74.63	80.98	61.82
18/36	2.652	2.974	3.093	3.406	3.656	2.902	67.36	75.54	78.56	86.51	92.86	73.71
20/40*	2.964	3.286	3.405	3.718	3.968	3.214	75.29	83.46	86.49	94.44	100.79	81.64
22/44	3.276	3.598	3.717	4.030	4.280	3.526	83.21	91.39	94.41	102.36	108.71	89.56
24/48	3.588	3.910	4.029	4.342	4.592	3.838	91.14	99.31	102.34	110.29	116.64	97.49
25/50	3.744	4.066	4.185	4.498	4.748	3.994	95.10	103.28	106.30	114.25	120.60	101.45
28/56	4.212	4.534	4.653	4.966	5.216	4.462	106.98	115.16	118.19	126.14	132.49	113.33
30/60	4.524	4.846	4.965	5.278	5.528	4.774	114.91	123.09	126.11	134.06	140.41	121.26
31/62	4.680	5.002	5.121	5.434	5.684	4.930	118.87	127.05	130.07	138.02	144.37	125.22
36/72	5.460	5.782	5.901	6.214	6.464	5.710	138.68	146.86	149.89	157.84	164.19	145.03
40/80	6.084	6.406	6.525	6.838	7.088	6.334	154.53	162.71	165.74	173.69	180.04	160.88
43/86	6.552	6.874	6.993	7.306	7.556	6.802	166.42	174.60	177.62	185.57	191.92	172.77
47/94	7.176	7.498	7.617	7.930	8.180	7.426	182.27	190.45	193.47	201.42	207.77	188.62
50/100	7.644	7.966	8.085	8.398	8.648	7.894	194.16	202.34	205.36	213.31	219.66	200.51

^{*} Consult factory for availability.

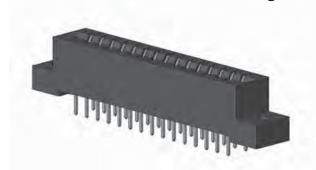
Sullins Female Card Edge

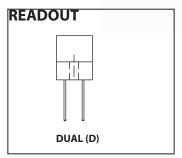


.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB

SPECIFICATIONS

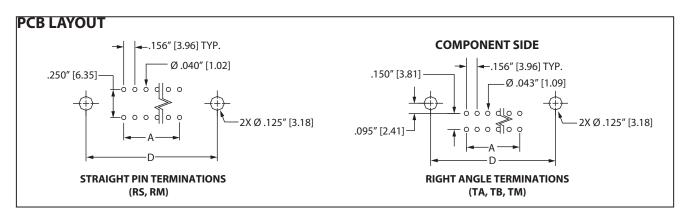
- Accommodates .093" ± .008" [2.36 mm ± 0.20 mm] or .125" ± .008" [3.18 mm ± 0.20 mm] mating PCB (Consult factory for .031" ± .006" [0.79 mm ± 0.15 mm] PC boards)
- PBT, PPS or PA9T insulator
- Molded-in key available
- 3 Amps current rating for one contact energized
- 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0

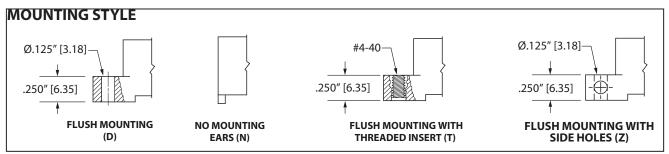




.250" [6.35] LOOP BELLOWS (RS, RM) (TA, TB, TM)

TER	RMINATION TYPE	POST CROSS SECTION (K)	POST LENGTH L ± .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]		
ТВ	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]		





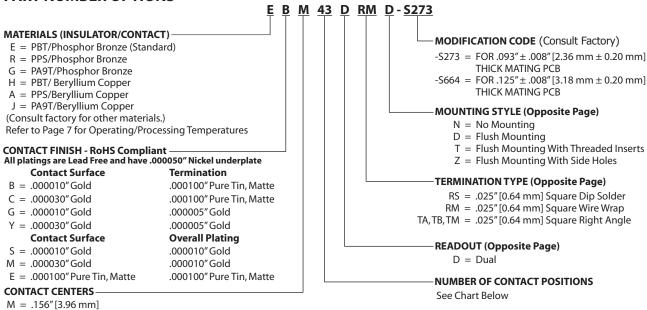


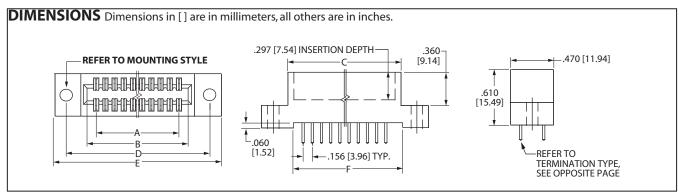


.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Dip Solder/Wire Wrap/Right Angle for .093" [2.36 mm] or .125" [3.18 mm] Mating PCB









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

POSITIONS/			INC	HES			MILLIMETERS					
CONTACTS	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*	0.780	1.102	1.221	1.534	1.784	1.104	19.81	27.99	31.01	38.96	45.31	28.04
08/16*	1.092	1.414	1.533	1.846	2.096	1.416	27.74	35.92	38.94	46.89	53.24	35.97
10/20	1.404	1.726	1.845	2.158	2.408	1.728	35.66	43.84	46.86	54.81	61.16	43.89
12/24	1.716	2.038	2.157	2.470	2.720	2.040	43.59	51.77	54.79	62.74	69.09	51.82
15/30	2.184	2.506	2.625	2.938	3.188	2.508	55.47	63.65	66.68	74.63	80.98	63.70
18/36	2.652	2.974	3.093	3.406	3.656	2.976	67.36	75.54	78.56	86.51	92.86	75.59
20/40	2.964	3.286	3.405	3.718	3.968	3.288	75.29	83.46	86.49	94.44	100.79	83.52
22/44	3.276	3.598	3.717	4.030	4.280	3.600	83.21	91.39	94.41	102.36	108.71	91.44
24/48*	3.588	3.910	4.029	4.342	4.592	3.912	91.14	99.31	102.34	110.29	116.64	99.37
25/50*	3.744	4.066	4.185	4.498	4.748	4.068	95.10	103.28	106.30	114.25	120.60	103.33
28/56*	4.212	4.534	4.653	4.966	5.216	4.536	106.98	115.16	118.19	126.14	132.49	115.21
30/60*	4.524	4.846	4.965	5.278	5.528	4.848	114.91	123.09	126.11	134.06	140.41	123.14
31/62*	4.680	5.002	5.121	5.434	5.684	5.004	118.87	127.05	130.07	138.02	144.37	127.10
32/64	4.836	5.158	5.277	5.590	5.840	5.160	122.83	131.01	134.04	141.99	148.34	131.06
36/72	5.460	5.782	5.901	6.214	6.464	5.784	138.68	146.86	149.89	157.84	164.19	146.91
40/80*	6.084	6.406	6.525	6.838	7.088	6.408	154.53	162.71	165.74	173.69	180.04	162.76
43/86*	6.552	6.874	6.993	7.306	7.556	6.876	166.42	174.60	177.62	185.57	191.92	174.65

^{*} Consult factory for availability.

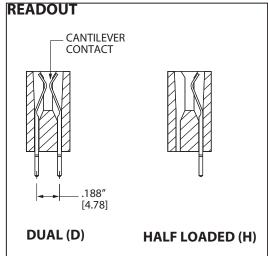
Sullins Female Card Edge

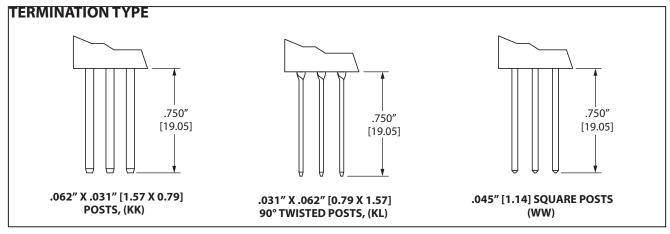
.156" [3.96 mm] Contact Centers, .720" [18.29 mm] Insulator Height, .045" [1.14 mm] square / .031" [0.79 mm] X .062" [1.57 mm] Wire Wrap

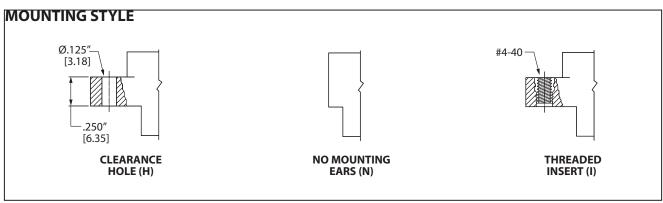
SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC board
- · PBT insulator
- · Molded-in key available
- 3 Amps current rating per contact for contacts fully energized (for 5 Amps application, consult factory)
- · 30 milli Ohms maximum at rated current
- UL Flammability Rating: 94V-0







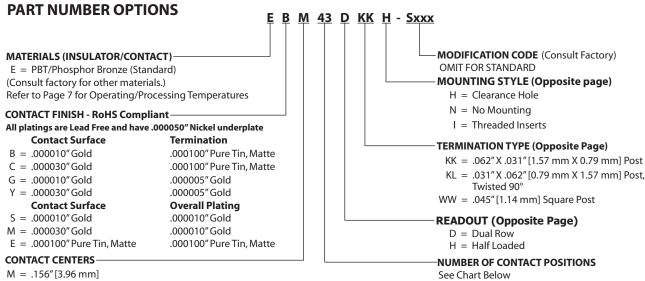


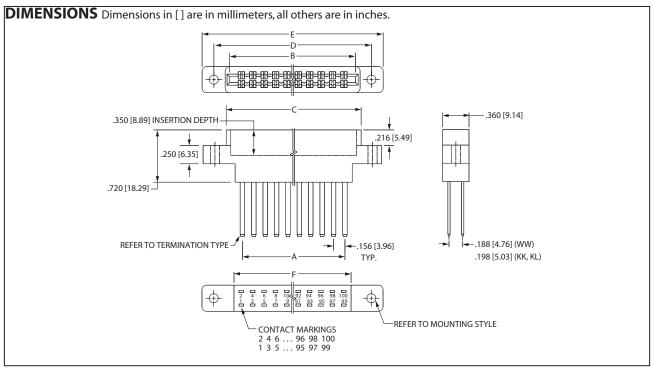


Female Card Edge

.156" [3.96 mm] Contact Centers, .720" [18.29 mm] Insulator Height, .045" [1.14 mm] square / .031" [0.79 mm] X .062" [1.57 mm] Wire Wrap







POSITIONS/			INC	HES			MILLIMETERS						
CONTACTS	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	0.780	1.100	1.224	1.534	1.784	0.980	19.81	27.94	31.09	38.96	45.31	24.89	
10/20	1.404	1.724	1.848	2.158	2.408	1.604	35.66	43.79	46.94	54.81	61.16	40.74	
12/24	1.716	2.036	2.160	2.470	2.720	1.916	43.59	51.71	54.86	62.74	69.09	48.67	
15/30	2.184	2.504	2.628	2.938	3.188	2.384	55.47	63.60	66.75	74.63	80.98	60.55	
18/36	2.652	2.972	3.096	3.406	3.656	2.852	67.36	75.49	78.64	86.51	92.86	72.44	
20/40	2.964	3.284	3.408	3.718	3.968	3.164	75.29	83.41	86.56	94.44	100.79	80.37	
22/44	3.276	3.596	3.720	4.030	4.280	3.476	83.21	91.34	94.49	102.36	108.71	88.29	
25/50*	3.744	4.064	4.188	4.498	4.748	3.944	95.10	103.23	106.38	114.25	120.60	100.18	
28/56	4.212	4.532	4.656	4.966	5.216	4.412	106.98	115.11	118.26	126.14	132.49	112.06	
30/60*	4.524	4.844	4.968	5.278	5.528	4.724	114.91	123.04	126.19	134.06	140.41	119.99	
31/62*	4.680	5.000	5.124	5.434	5.684	4.880	118.87	127.00	130.15	138.02	144.37	123.95	
36/72	5.460	5.780	5.904	6.214	6.464	5.660	138.68	146.81	149.96	157.84	164.19	143.76	
43/86	6.552	6.872	6.996	7.306	7.556	6.752	166.42	174.55	177.70	185.57	191.92	171.50	
50/100*	7.644	7.964	8.088	8.398	8.648	7.844	194.16	202.29	205.44	213.31	219.66	199.24	

^{*} Consult factory for availability.





.100" [2.54 mm] Contact Centers, .550" [13.97 mm] or .610" [15.49 mm] Profile, **Press Fit**

SPECIFICATIONS

- · UL Flammability Rating: 94V-0
- · Designed to meet specifications of Bellcore specification TR-TSY-00078.
- Flat rock installation eliminates the need for any special installation tool.
- Integrally molded scoops available to assist daughter card entry.
- · Molded-in key available



FEATURES

COMPLIANT SECTION INSERTION FORCE

40 lbs maximum per contact

COMPLIANT SECTION WITHDRAWAL FORCE

10 lbs minimum per contact

HOLE SIZE REQUIREMENTS

Drilled Hole Diameter: $.0453'' \pm .0010'' [1.150 \text{ mm} \pm 0.025 \text{ mm}]$ Plating: .001" [0.03 mm] to .003" [0.08 mm] Copper and .0003" [0.008 mm] Minimum Tin

FINISHED HOLE DIAMETER

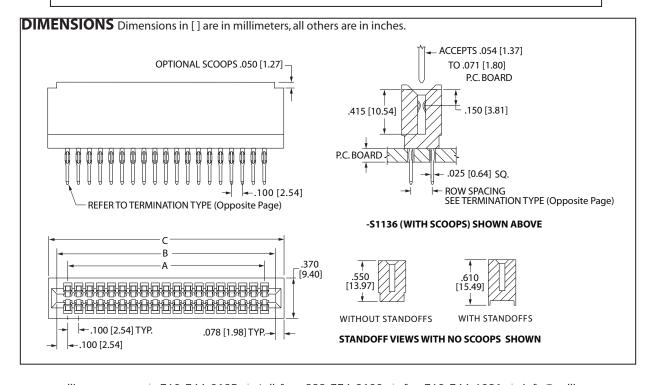
 $.040'' \pm .003'' [1.02 \text{ mm} \pm 0.08 \text{ mm}]$

SUITABLE FOR .062" [1.57] DAUGHTER CARD

RECOMMENDED MOTHERBOARD THICKNESS

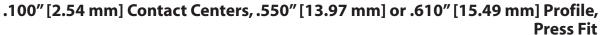
.093" to .125" [2.36 mm to 3.18 mm]

UL-CUL RECOGNIZED

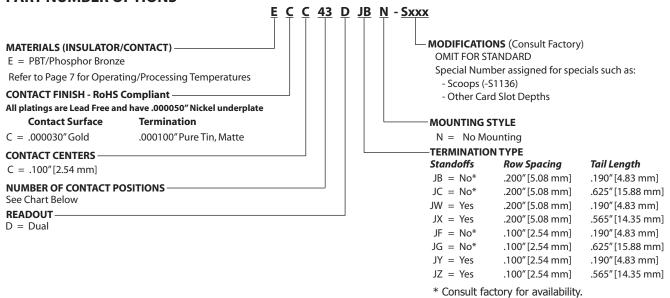








PART NUMBER OPTIONS



POSITIONS/	A±.008	8[0.20]	B±.00	8[0.20]	C±.01	5[0.38]	POSITIONS/	A±.008[0.20]		0.20] B±.008[0.20]		C±.015[0.38]	
CONTACTS	in	mm	in	mm	in	mm	CONTACTS	in	mm	in	mm	in	mm
05/10	0.400	10.16	0.600	15.24	0.756	19.20	33/66*	3.200	81.28	3.400	86.36	3.556	90.32
06/12	0.500	12.70	0.700	17.78	0.856	21.74	34/68	3.300	83.82	3.500	88.90	3.656	92.86
07/14	0.600	15.24	0.800	20.32	0.956	24.28	35/70	3.400	86.36	3.600	91.44	3.756	95.40
08/16*	0.700	17.78	0.900	22.86	1.056	26.82	36/72	3.500	88.90	3.700	93.98	3.856	97.94
09/18*	0.800	20.32	1.000	25.40	1.156	29.36	37/74*	3.600	91.44	3.800	96.52	3.956	100.48
10/20	0.900	22.86	1.100	27.94	1.256	31.90	38/76*	3.700	93.98	3.900	99.06	4.056	103.02
11/22*	1.000	25.40	1.200	30.48	1.356	34.44	39/78*	3.800	96.52	4.000	101.60	4.156	105.56
12/24	1.100	27.94	1.300	33.02	1.456	36.98	40/80	3.900	99.06	4.100	104.14	4.256	108.10
13/26	1.200	30.48	1.400	35.56	1.556	39.52	41/82*	4.000	101.60	4.200	106.68	4.356	110.64
14/28*	1.300	33.02	1.500	38.10	1.656	42.06	42/84*	4.100	104.14	4.300	109.22	4.456	113.18
15/30	1.400	35.56	1.600	40.64	1.756	44.60	43/86	4.200	106.68	4.400	111.76	4.556	115.72
16/32	1.500	38.10	1.700	43.18	1.856	47.14	44/88	4.300	109.22	4.500	114.30	4.656	118.26
17/34	1.600	40.64	1.800	45.72	1.956	49.68	45/90*	4.400	111.76	4.600	116.84	4.756	120.80
18/36	1.700	43.18	1.900	48.26	2.056	52.22	46/92*	4.500	114.30	4.700	119.38	4.856	123.34
19/38*	1.800	45.72	2.000	50.80	2.156	54.76	47/94*	4.600	116.84	4.800	121.92	4.956	125.88
20/40	1.900	48.26	2.100	53.34	2.256	57.30	48/96*	4.700	119.38	4.900	124.46	5.056	128.42
21/42*	2.000	50.80	2.200	55.88	2.356	59.84	49/98*	4.800	121.92	5.000	127.00	5.156	130.96
22/44	2.100	53.34	2.300	58.42	2.456	62.38	50/100	4.900	124.46	5.100	129.54	5.256	133.50
23/46	2.200	55.88	2.400	60.96	2.556	64.92	51/102*	5.000	127.00	5.200	132.08	5.356	136.04
24/48	2.300	58.42	2.500	63.50	2.656	67.46	52/104*	5.100	129.54	5.300	134.62	5.456	138.58
25/50	2.400	60.96	2.600	66.04	2.756	70.00	53/106*	5.200	132.08	5.400	137.16	5.556	141.12
26/52	2.500	63.50	2.700	68.58	2.856	72.54	54/108*	5.300	134.62	5.500	139.70	5.656	143.66
27/54*	2.600	66.04	2.800	71.12	2.956	75.08	55/110	5.400	137.16	5.600	142.24	5.756	146.20
28/56	2.700	68.58	2.900	73.66	3.056	77.62	56/112*	5.500	139.70	5.700	144.78	5.856	148.74
29/58*	2.800	71.12	3.000	76.20	3.156	80.16	57/114*	5.600	142.24	5.800	147.32	5.956	151.28
30/60	2.900	73.66	3.100	78.74	3.256	82.70	58/116*	5.700	144.78	5.900	149.86	6.056	153.82
31/62	3.000	76.20	3.200	81.28	3.356	85.24	59/118*	5.800	147.32	6.000	152.40	6.156	156.36
32/64*	3.100	78.74	3.300	83.82	3.456	87.78	60/120	5.900	149.86	6.100	154.94	6.256	158.90

^{*} Consult factory for availability.

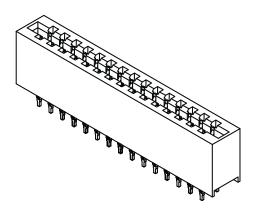




.156" [3.96 mm] Contact Centers, .550" [13.97 mm] or .610" [15.49 mm] Profile, **Press Fit**

SPECIFICATIONS

- Designed to meet specifications of Bellcore specification TR-TŠY-00078.
- Flat rock installation eliminates the need for any special installation tool.
- Integrally molded scoops available to assist daughter card entry.
- · Molded-in key available



FEATURES

COMPLIANT SECTION INSERTION FORCE

40 lbs maximum per contact

COMPLIANT SECTION WITHDRAWAL FORCE

10 lbs minimum per contact

HOLE SIZE REQUIREMENTS

Drilled Hole Diameter: $.0453'' \pm .0010'' [1.150 \text{ mm} \pm 0.025 \text{ mm}]$ Plating: .001" [0.03 mm] to .003" [0.08 mm] Copper and .0003" [0.008 mm] Minimum Tin

FINISHED HOLE DIAMETER

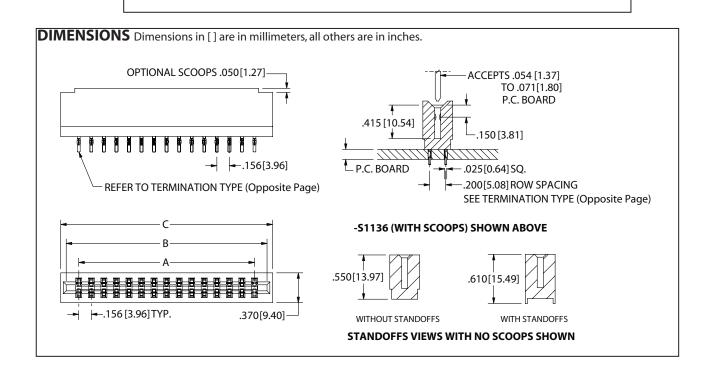
 $.040'' \pm .003'' [1.02 \text{ mm} \pm 0.08 \text{ mm}]$

SUITABLE FOR .062" [1.57 mm] DAUGHTER CARD

RECOMMENDED MOTHERBOARD THICKNESS

.093" to .125" [2.36 mm to 3.18 mm]

UL-CUL RECOGNIZED



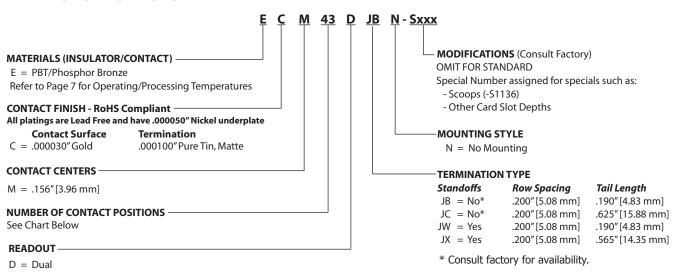




C±.015[0.38]

.156" [3.96 mm] Contact Centers, .550" [13.97 mm] or .610" [15.49 mm] Profile, Press Fit

PART NUMBER OPTIONS



POSITIONS/	A±.008	3[0.20]	B±.008	3[0.20]	C±.015[0.38]		
CONTACTS	in	mm	in	mm	in	mm	
05/10*	0.624	15.85	0.944	23.98	1.072	27.23	
06/12*	0.780	19.81	1.100	27.94	1.228	31.19	
07/14*	0.936	23.77	1.256	31.90	1.384	35.15	
08/16	1.092	27.74	1.412	35.86	1.540	39.12	
09/18*	1.248	31.70	1.568	39.83	1.696	43.08	
10/20	1.404	35.66	1.724	43.79	1.852	47.04	
11/22*	1.560	39.62	1.880	47.75	2.008	51.00	
12/24*	1.716	43.59	2.036	51.71	2.164	54.97	
13/26*	1.872	47.55	2.192	55.68	2.320	58.93	
14/28*	2.028	51.51	2.348	59.64	2.476	62.89	
15/30*	2.184	55.47	2.504	63.60	2.632	66.85	
16/32*	2.340	59.44	2.660	67.56	2.788	70.82	
17/34*	2.496	63.40	2.816	71.53	2.944	74.78	
18/36*	2.652	67.36	2.972	75.49	3.100	78.74	
19/38*	2.808	71.32	3.128	79.45	3.256	82.70	
20/40*	2.964	75.29	3.284	83.41	3.412	86.66	
21/42*	3.120	79.25	3.440	87.38	3.568	90.63	
22/44	3.276	83.21	3.596	91.34	3.724	94.59	

POSITIONS/							
CONTACTS	in	mm	in	mm	in	mm	
23/46*	3.432	87.17	3.752	95.30	3.880	98.55	
24/48*	3.588	91.14	3.908	99.26	4.036	102.51	
25/50*	3.744	95.10	4.064	103.23	4.192	106.48	
26/52*	3.900	99.06	4.220	107.19	4.348	110.44	
27/54*	4.056	103.02	4.376	111.15	4.504	114.40	
28/56	4.212	106.98	4.532	115.11	4.660	118.36	
29/58*	4.368	110.95	4.688	119.08	4.816	122.33	
30/60*	4.524	114.91	4.844	123.04	4.972	126.29	
31/62*	4.680	118.87	5.000	127.00	5.128	130.25	
32/64*	4.836	122.83	5.156	130.96	5.284	134.21	
33/66*	4.992	126.80	5.312	134.92	5.440	138.18	
34/68*	5.148	130.76	5.468	138.89	5.596	142.14	
35/70*	5.304	134.72	5.624	142.85	5.752	146.10	
36/72*	5.460	138.68	5.780	146.81	5.908	150.06	
37/74*	5.616	142.65	5.936	150.77	6.064	154.03	
38/76*	5.772	146.61	6.092	154.74	6.220	157.99	
39/78*	5.928	150.57	6.248	158.70	6.376	161.95	

A±.008[0.20]

POSITIONS/

B±.008[0.20]

^{*} Consult factory for availability.

SULLINS

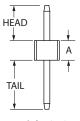
1.00 mm [.039"] Contact Centers, Male Headers, Straight/Right Angle/SMT-SMH Series Mates with SFM series

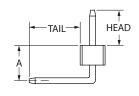
SPECIFICATIONS

- 1 Amp current rating
- UL Flammability Rating: 94V-0
- Insulator Material: Black LCP
- Contact Material: Phosphor Bronze
- Insulation Resistance: 1000 Megohms Min.
- Contact Resistance: 20 milli Ohms Max.
- Dielectric Withstanding: 300 VAC
- Operating Temperature: -40°C to +125°C
- Processing Temperature: 260°C Max. for 10 seconds
- Stacker Options available Consult factory



TERMINATION TYPE





 EXAMPLE P/N
 HEAD
 TAIL
 A

 STRAIGHT TERMINATION

 SMH100-LPPE-S10-ST-BK
 1.80 [.071"]
 2.50 [.098"]
 1.00 [.039"]

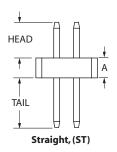
 RIGHT ANGLE TERMINATION

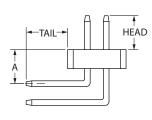
 SMH100-LPPE-S10-RA-BK
 1.80 [.071"]
 2.60 [.102"]
 1.80 [.071"]

SINGLE ROW

Straight, (ST)

Right Angle, (RA)

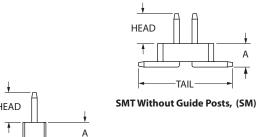


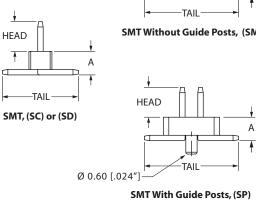


Right Angle, (RA)

DUAL ROW

EXAMPLE P/N	HEAD	TAIL	Α								
STRAIGHT TERMINATIONS											
SMH <u>100</u> -LPPE-D10- <u>ST</u> -BK 1.80 [.071"] 2.50 [.098"] 1.00 [.039"											
SMH <u>150</u> -LPPE-D10- <u>ST</u> -BK	1.80 [.071"]	2.50 [.098"]	1.50 [.059"]								
RIGHT ANGLE TERMINATION											
SMH <u>100</u> -LPPE-D10- <u>RA</u> -BK	1.80 [.071"]	2.60 [.102"]	1.80 [.071"]								





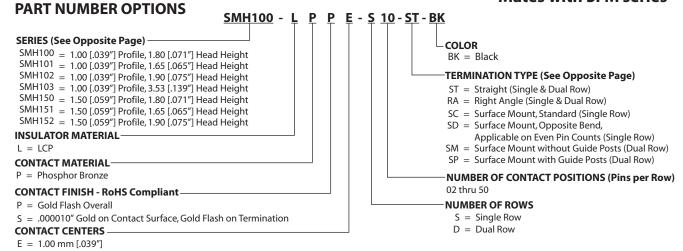
SURFACE MOUNT TERMINATIONS

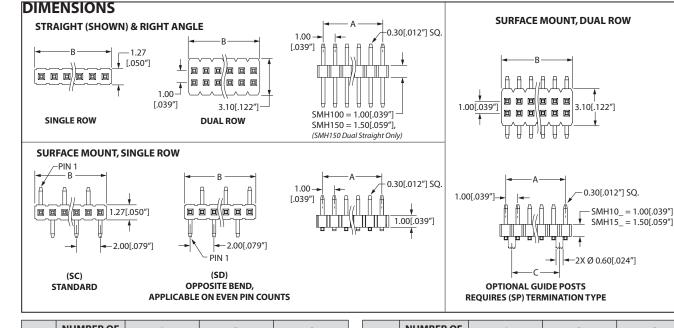
EXAMPLE P/N	HEAD	TAIL	А
	SINGLE ROW		
SMH <u>100</u> -LPPE-S10- <u>SC</u> -BK	1.65 [.065"]	4.20 [.165"]	1.30 [.051"]
SMH <u>100</u> -LPPE-S10- <u>SD</u> -BK	1.65 [.065"]	4.20 [.165"]	1.30 [.051"]
	DUAL ROW		
SMH <u>101</u> -LPPE-D10- <u>SM</u> -BK	1.65 [.065"]	5.20 [.205"]	1.30 [.051"]
SMH <u>101</u> -LPPE-D10- <u>SP</u> -BK	1.65 [.065"]	5.20 [.205"]	1.30 [.051"]
SMH <u>102</u> -LPPE-D10- <u>SM</u> -BK	1.90 [.075"]	5.20 [.205"]	1.30 [.051"]
SMH <u>102</u> -LPPE-D10- <u>SP</u> -BK	1.90 [.075"]	5.20 [.205"]	1.30 [.051"]
SMH <u>103</u> -LPPE-D10- <u>SM</u> -BK	3.53 [.139"]	5.20 [.205"]	1.30 [.051"]
SMH <u>103</u> -LPPE-D10- <u>SP</u> -BK	3.53 [.139"]	5.20 [.205"]	1.30 [.051"]
SMH <u>151</u> -LPPE-D10- <u>SM</u> -BK	1.65 [.065"]	5.20 [.205"]	1.80 [.071"]
SMH <u>151</u> -LPPE-D10- <u>SP</u> -BK	1.65 [.065"]	5.20 [.205"]	1.80 [.071"]
SMH <u>152</u> -LPPE-D10- <u>SM</u> -BK	1.90 [.075"]	5.20 [.205"]	1.80 [.071"]
SMH <u>152</u> -LPPE-D10- <u>SP</u> -BK	1.90 [.075"]	5.20 [.205"]	1.80 [.071"]



1.00 mm [.039"] Contact Centers, Male Headers, Straight/Right Angle/SMT-SMH Series Mates with SFM series







POSI-	NUMBER OF CONTACTS	1	A	I	В		C
TIONS	SINGLE/DUAL	mm	in	mm	in	mm	in
02*	02/04	1.00	0.039	2.00	0.079	N/A	N/A
03	03/06	2.00	0.079	3.00	0.118	1.00	0.039
04	04/08	3.00	0.118	4.00	0.157	2.00	0.079
05	05/10	4.00	0.157	5.00	0.197	3.00	0.118
06	06/12	5.00	0.197	6.00	0.236	4.00	0.157
07	07/14	6.00	0.236	7.00	0.276	5.00	0.197
08	08/16	7.00	0.276	8.00	0.315	6.00	0.236
09	09/18	8.00	0.315	9.00	0.354	7.00	0.276
10	10/20	9.00	0.354	10.00	0.394	8.00	0.315
11	11/22	10.00	0.394	11.00	0.433	9.00	0.354
12	12/24	11.00	0.433	12.00	0.472	10.00	0.394
13	13/26	12.00	0.472	13.00	0.512	11.00	0.433
14	14/28	13.00	0.512	14.00	0.551	12.00	0.472
15	15/30	14.00	0.551	15.00	0.591	13.00	0.512
16	16/32	15.00	0.591	16.00	0.630	14.00	0.551
17	17/34	16.00	0.630	17.00	0.669	15.00	0.591
18	18/36	17.00	0.669	18.00	0.709	16.00	0.630
19	19/38	18.00	0.709	19.00	0.748	17.00	0.669
20	20/40	19.00	0.748	20.00	0.787	18.00	0.709
21	21/42	20.00	0.787	21.00	0.827	19.00	0.748
22	22/44	21.00	0.827	22.00	0.866	20.00	0.787
23	23/46	22.00	0.866	23.00	0.906	21.00	0.827
24	24/48	23.00	0.906	24.00	0.945	22.00	0.866
25	25/50	24.00	0.945	25.00	0.984	23.00	0.906
26	26/52	25.00	0.984	26.00	1.024	24.00	0.945

POSI-	NUMBER OF		A	1	В	С		
TIONS	CONTACTS SINGLE/DUAL	mm	in	mm	in	mm	in	
27	27/54	26.00	1.024	27.00	1.063	25.00	0.984	
28	28/56	27.00	1.063	28.00	1.102	26.00	1.024	
29	29/58	28.00	1.102	29.00	1.142	27.00	1.063	
30	30/60	29.00	1.142	30.00	1.181	28.00	1.102	
31	31/62	30.00	1.181	31.00	1.220	29.00	1.142	
32	32/64	31.00	1.220	32.00	1.260	30.00	1.181	
33	33/66	32.00	1.260	33.00	1.299	31.00	1.220	
34	34/68	33.00	1.299	34.00	1.339	32.00	1.260	
35	35/70	34.00	1.339	35.00	1.378	33.00	1.299	
36	36/72	35.00	1.378	36.00	1.417	34.00	1.339	
37	37/74	36.00	1.417	37.00	1.457	35.00	1.378	
38	38/76	37.00	1.457	38.00	1.496	36.00	1.417	
39	39/78	38.00	1.496	39.00	1.535	37.00	1.457	
40	40/80	39.00	1.535	40.00	1.575	38.00	1.496	
41	41/82	40.00	1.575	41.00	1.614	39.00	1.535	
42	42/84	41.00	1.614	42.00	1.654	40.00	1.575	
43	43/86	42.00	1.654	43.00	1.693	41.00	1.614	
44	44/88	43.00	1.693	44.00	1.732	42.00	1.654	
45	45/90	44.00	1.732	45.00	1.772	43.00	1.693	
46	46/92	45.00	1.772	46.00	1.811	44.00	1.732	
47	47/94	46.00	1.811	47.00	1.850	45.00	1.772	
48	48/96	47.00	1.850	48.00	1.890	46.00	1.811	
49	49/98	48.00	1.890	49.00	1.929	47.00	1.850	
50	50/100	49.00	1.929	50.00	1.969	48.00	1.890	

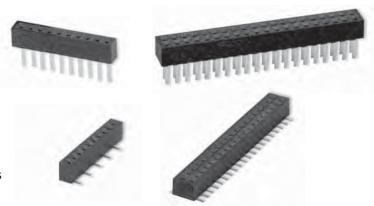
^{*} Position 2 not available with guide posts.

SULLINS

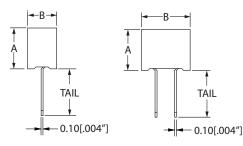
1.00 mm [.039"] Contact Centers, Female Headers, Straight/SMT- SFM Series Mates with SMH series

SPECIFICATIONS

- 1 Amp current rating
- UL Flammability Rating: 94V-0
- Insulator Material: Black LCP
- Contact Material: Phosphor Bronze
- Contact Resistance: 20 milli Ohms Max.
- Operating Temperature: -40°C to +125°C
- Processing Temperature: 260°C Max. for 10 seconds

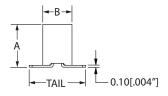


TERMINATION TYPE

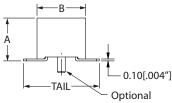


Single Row, Straight, (ST)

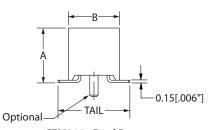
Dual Row, Straight, (ST)



Single Row, SMT, Pin 1 Left (SC) or SMT, Pin 1 Right (SD)



SFM210-, Dual Row, SMT Without Guide Posts (SM) or SMT With Guide Posts (SP)



SFM315-, Dual Row, SMT Without Guide Posts (SM) or SMT With Guide Posts (SP)

STRAIGHT

EXAMPLE P/N	Α	В	TAIL									
SINGLE ROW												
SFM <u>210</u> -LPPE-S10- <u>ST</u> -BK	2.10 [.083"]	1.50 [.059"]	2.40 [.094"]									
DUAL ROW												
SFM <u>210</u> -LPPE-D10- <u>ST</u> -BK	2.10 [.083"]	2.50 [.098"]	2.40 [.094"]									

SURFACE MOUNT

EXAMPLE P/N	Α	В	TAIL								
SINGLE ROW											
SFM210-LPPE-S10-SC-BK	2.20 [.087"]	1.50 [.059"]	2.90 [.114"]								
SFM <u>210</u> -LPPE-S10- <u>SD</u> -BK	2.20 [.087"]	1.50 [.059"]	2.90 [.114"]								

SURFACE MOUNT

EXAMPLE P/N	Α	В	TAIL		
	DUAL ROW				
SFM <u>210</u> -LPPE-D10- <u>SM</u> -BK	2.20 [.087"]	2.50 [.098"]	3.90 [.154"]		
SFM <u>210</u> -LPPE-D10- <u>SP</u> -BK	2.20 [.087"]	2.50 [.098"]	3.90 [.154"]		

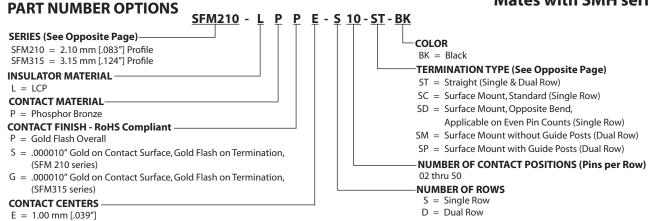
SURFACE MOUNT

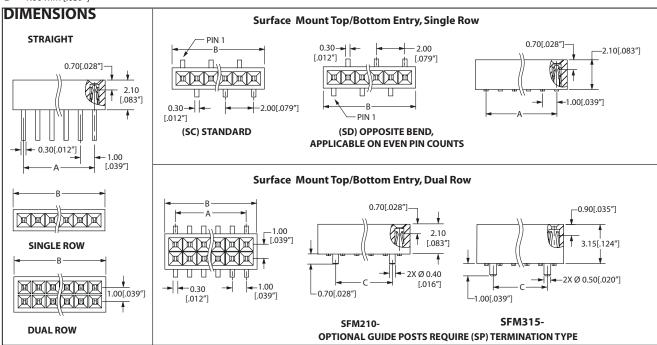
EXAMPLE P/N	A	В	TAIL
	DUAL ROW		
SFM <u>315</u> -LPPE-D10- <u>SM</u> -BK	3.30 [.130"]	3.07 [.121"]	4.34 [.171"]
SFM <u>315</u> -LPPE-D10- <u>SP</u> -BK	3.30 [.130"]	3.07 [.121"]	4.34 [.171"]



1.00 mm [.039"] Contact Centers, Female Headers, Straight/SMT- SFM Series Mates with SMH series







NUMBER OF CONTACTS	I	A	B (SFI	M210)	B (SFI	M315)		C	NUMBER OF CONTACTS	ı	4	B(SFA	/l210)	B (SFI	/I315)	(С
SINGLE/ DUAL	mm	in	mm	in	mm	in	mm	in	SINGLE/ DUAL	mm	in	mm	in	mm	in	mm	in
02/04*	1.00	0.039	2.50	0.098	2.40	0.094	N/A	N/A	27/54	26.00	1.024	27.50	1.083	27.40	1.079	25.00	0.984
03/06	2.00	0.079	3.50	0.138	3.40	0.134	1.00	0.039	28/56	27.00	1.063	28.50	1.122	28.40	1.118	26.00	1.024
04/08	3.00	0.118	4.50	0.177	4.40	0.173	2.00	0.079	29/58	28.00	1.102	29.50	1.161	29.40	1.157	27.00	1.063
05/10	4.00	0.157	5.50	0.217	5.40	0.213	3.00	0.118	30/60	29.00	1.142	30.50	1.201	30.40	1.197	28.00	1.102
06/12	5.00	0.197	6.50	0.256	6.40	0.252	4.00	0.157	31/62	30.00	1.181	31.50	1.240	31.40	1.236	29.00	1.142
07/14	6.00	0.236	7.50	0.295	7.40	0.291	5.00	0.197	32/64	31.00	1.220	32.50	1.280	32.40	1.276	30.00	1.181
08/16	7.00	0.276	8.50	0.335	8.40	0.331	6.00	0.236	33/66	32.00	1.260	33.50	1.319	33.40	1.315	31.00	1.220
09/18	8.00	0.315	9.50	0.374	9.40	0.370	7.00	0.276	34/68	33.00	1.299	34.50	1.358	34.40	1.354	32.00	1.260
10/20	9.00	0.354	10.50	0.413	10.40	0.409	8.00	0.315	35/70	34.00	1.339	35.50	1.398	35.40	1.394	33.00	1.299
11/22	10.00	0.394	11.50	0.453	11.40	0.449	9.00	0.354	36/72	35.00	1.378	36.50	1.437	36.40	1.433	34.00	1.339
12/24	11.00	0.433	12.50	0.492	12.40	0.488	10.00	0.394	37/74	36.00	1.417	37.50	1.476	37.40	1.472	35.00	1.378
13/26	12.00	0.472	13.50	0.531	13.40	0.528	11.00	0.433	38/76	37.00	1.457	38.50	1.516	38.40	1.512	36.00	1.417
14/28	13.00	0.512	14.50	0.571	14.40	0.567	12.00	0.472	39/78	38.00	1.496	39.50	1.555	39.40	1.551	37.00	1.457
15/30	14.00	0.551	15.50	0.610	15.40	0.606	13.00	0.512	40/80	39.00	1.535	40.50	1.594	40.40	1.591	38.00	1.496
16/32	15.00	0.591	16.50	0.650	16.40	0.646	14.00	0.551	41/82	40.00	1.575	41.50	1.634	41.40	1.630	39.00	1.535
17/34	16.00	0.630	17.50	0.689	17.40	0.685	15.00	0.591	42/84	41.00	1.614	42.50	1.673	42.40	1.669	40.00	1.575
18/36	17.00	0.669	18.50	0.728	18.40	0.724	16.00	0.630	43/86	42.00	1.654	43.50	1.713	43.40	1.709	41.00	1.614
19/38	18.00	0.709	19.50	0.768	19.40	0.764	17.00	0.669	44/88	43.00	1.693	44.50	1.752	44.40	1.748	42.00	1.654
20/40	19.00	0.748	20.50	0.807	20.40	0.803	18.00	0.709	45/90	44.00	1.732	45.50	1.791	45.40	1.787	43.00	1.693
21/42	20.00	0.787	21.50	0.846	21.40	0.843	19.00	0.748	46/92	45.00	1.772	46.50	1.831	46.40	1.827	44.00	1.732
22/44	21.00	0.827	22.50	0.886	22.40	0.882	20.00	0.787	47/94	46.00	1.811	47.50	1.870	47.40	1.866	45.00	1.772
23/46	22.00	0.866	23.50	0.925	23.40	0.921	21.00	0.827	48/96	47.00	1.850	48.50	1.909	48.40	1.906	46.00	1.811
24/48	23.00	0.906	24.50	0.965	24.40	0.961	22.00	0.866	49/98	48.00	1.890	49.50	1.949	49.40	1.945	47.00	1.850
25/50	24.00	0.945	25.50	1.004	25.40	1.000	23.00	0.906	50/100	49.00	1.929	50.50	1.988	50.40	1.984	48.00	1.890
26/52	25.00	0.984	26.50	1.043	26.40	1.039	24.00	0.945									

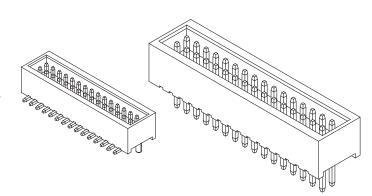
^{*} Position 2 not available with guide posts on SFM210 Series (Termination Type SP).

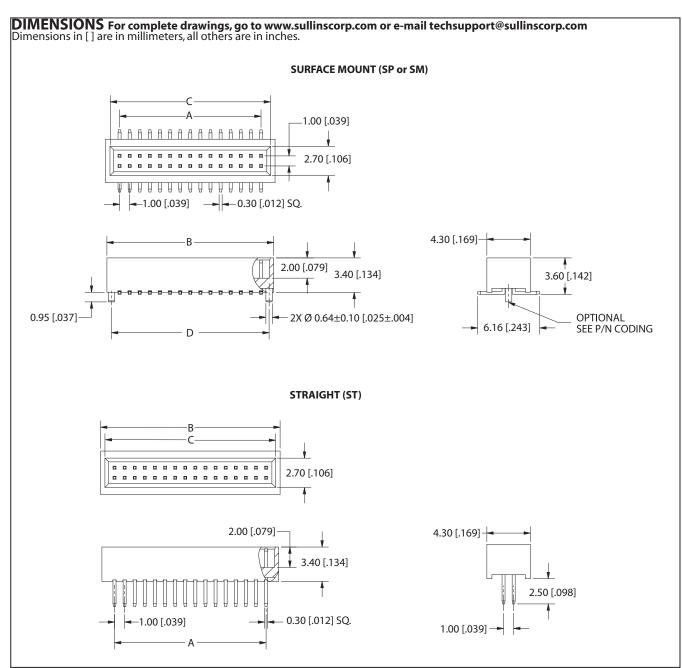


1.00 mm [.039"] Contact Centers, Shrouded (Box) Headers Straight/SMT Mates with SFM series

SPECIFICATIONS

- Insulator Material: LCP
- Contact Material: Phosphor Bronze
- Operating Temperature: -40°C to +125°C
- Processing Temperature: 230°C Max. for 60 seconds (260°C Max. for 10 seconds)
- UL Flammability Rating: 94V-0
- Contact Resistance: 20 milli Ohms Max.
- Current Rating: 1 Amp
- Dielectric Withstanding Voltage: 300 VAC
- Insulation Resistance: 1000 Megohms Min.



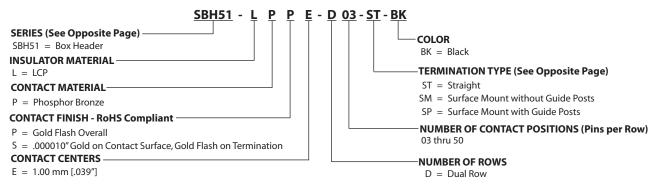




1.00 mm [.039"] Contact Centers, Shrouded (Box) Headers, Straight/SMT Mates with SFM series



PART NUMBER OPTIONS



DARTHUMARER	POSITIONS/		A	ı	В		С	D		
PART NUMBER	CONTACTS	mm	in	mm	in	mm	in	mm	in	
SBH51-LP_E-D03BK	03/06	2.00	0.079	4.50	0.177	3.70	0.146	3.60	0.142	
SBH51-LP_E-D04BK	04/08	3.00	0.118	5.50	0.217	4.70	0.185	4.60	0.181	
SBH51-LP_E-D05BK	05/10	4.00	0.157	6.50	0.256	5.70	0.224	5.60	0.220	
SBH51-LP_E-D06BK	06/12	5.00	0.197	7.50	0.295	6.70	0.264	6.60	0.260	
SBH51-LP_E-D07BK	07/14	6.00	0.236	8.50	0.335	7.70	0.303	7.60	0.299	
SBH51-LP_E-D08BK	08/16	7.00	0.276	9.50	0.374	8.70	0.343	8.60	0.339	
SBH51-LP_E-D09BK	09/18	8.00	0.315	10.50	0.413	9.70	0.382	9.60	0.378	
SBH51-LP_E-D10BK	10/20	9.00	0.354	11.50	0.453	10.70	0.421	10.60	0.417	
SBH51-LP_E-D11BK	11/22	10.00	0.394	12.50	0.492	11.70	0.461	11.60	0.457	
SBH51-LP_E-D12BK	12/24	11.00	0.433	13.50	0.531	12.70	0.500	12.60	0.496	
SBH51-LP E-D13BK	13/26	12.00	0.472	14.50	0.571	13.70	0.539	13.60	0.535	
SBH51-LP_E-D14BK	14/28	13.00	0.512	15.50	0.610	14.70	0.579	14.60	0.575	
SBH51-LP E-D15BK	15/30	14.00	0.551	16.50	0.650	15.70	0.618	15.60	0.614	
SBH51-LP E-D16BK	16/32	15.00	0.591	17.50	0.689	16.70	0.657	16.60	0.654	
SBH51-LP_E-D17BK	17/34	16.00	0.630	18.50	0.728	17.70	0.697	17.60	0.693	
SBH51-LP E-D18BK	18/36	17.00	0.669	19.50	0.768	18.70	0.736	18.60	0.732	
SBH51-LP_E-D19BK	19/38	18.00	0.709	20.50	0.807	19.70	0.776	19.60	0.772	
SBH51-LP E-D20BK	20/40	19.00	0.748	21.50	0.846	20.70	0.815	20.60	0.811	
SBH51-LP E-D21BK	21/42	20.00	0.740	22.50	0.886	21.70	0.854	21.60	0.850	
SBH51-LP E-D22BK	22/44	21.00	0.827	23.50	0.925	22.70	0.894	22.60	0.890	
SBH51-LP E-D23BK	23/46	22.00	0.866	24.50	0.965	23.70	0.933	23.60	0.929	
SBH51-LP_E-D24BK	24/48	23.00	0.906	25.50	1.004	24.70	0.933	24.60	0.969	
SBH51-LP E-D25BK	25/50	24.00	0.900	26.50	1.004	25.70	1.012	25.60	1.008	
SBH51-LP_E-D26BK	26/52	25.00	0.984	27.50	1.043	26.70	1.012	26.60	1.047	
SBH51-LP_E-D27BK	27/54	26.00	1.024	28.50	1.122	27.70	1.031	27.60	1.047	
SBH51-LP E-D28BK	28/56	27.00	1.024	29.50	1.122	28.70	1.130	28.60	1.126	
SBH51-LP_E-D29BK	29/58	28.00	1.102	30.50	1.101	29.70	1.169	29.60	1.126	
SBH51-LP E-D30BK	30/60	29.00	1.102	31.50	1.240	30.70	1.109	30.60	1.103	
SBH51-LP_E-D31BK	31/62	30.00	1.142	32.50	1.240	31.70	1.248	31.60	1.244	
SBH51-LP_E-D32BK	32/64	31.00	1.181	33.50	1.319	32.70	1.246	32.60	1.244	
SBH51-LP_E-D32BK	33/66	32.00			1.358	33.70			1.203	
			1.260 1.299	34.50			1.327	33.60		
SBH51-LP_E-D34BK	34/68	33.00		35.50	1.398	34.70	1.366	34.60	1.362	
SBH51-LP_E-D35BK	35/70	34.00	1.339	36.50	1.437	35.70	1.406	35.60	1.402	
SBH51-LP_E-D36BK	36/72	35.00	1.378	37.50	1.476	36.70	1.445	36.60	1.441	
SBH51-LP_E-D37BK	37/74	36.00	1.417	38.50	1.516	37.70	1.484	37.60	1.480	
SBH51-LP_E-D38BK	38/76	37.00	1.457	39.50	1.555	38.70	1.524	38.60	1.520	
SBH51-LP_E-D39BK	39/78	38.00	1.496	40.50	1.594	39.70	1.563	39.60	1.559	
SBH51-LP_E-D40BK	40/80	39.00	1.535	41.50	1.634	40.70	1.602	40.60	1.598	
SBH51-LP_E-D41BK	41/82	40.00	1.575	42.50	1.673	41.70	1.642	41.60	1.638	
SBH51-LP_E-D42BK	42/84	41.00	1.614	43.50	1.713	42.70	1.681	42.60	1.677	
SBH51-LP_E-D43BK	43/86	42.00	1.654	44.50	1.752	43.70	1.720	43.60	1.717	
SBH51-LP_E-D44BK	44/88	43.00	1.693	45.50	1.791	44.70	1.760	44.60	1.756	
SBH51-LP_E-D45BK	45/90	44.00	1.732	46.50	1.831	45.70	1.799	45.60	1.795	
SBH51-LP_E-D46BK	46/92	45.00	1.772	47.50	1.870	46.70	1.839	46.60	1.835	
SBH51-LP_E-D47BK	47/94	46.00	1.811	48.50	1.909	47.70	1.878	47.60	1.874	
SBH51-LP_E-D48BK	48/96	47.00	1.850	49.50	1.949	48.70	1.917	48.60	1.913	
SBH51-LP_E-D49BK	49/98	48.00	1.890	50.50	1.988	49.70	1.957	49.60	1.953	
SBH51-LP_E-D50BK	50/100	49.00	1.929	51.50	2.028	50.70	1.996	50.60	1.992	

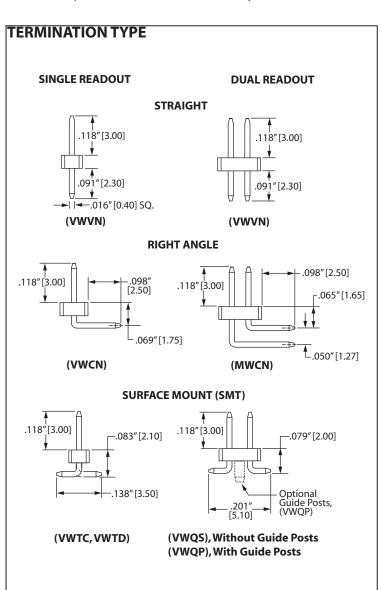
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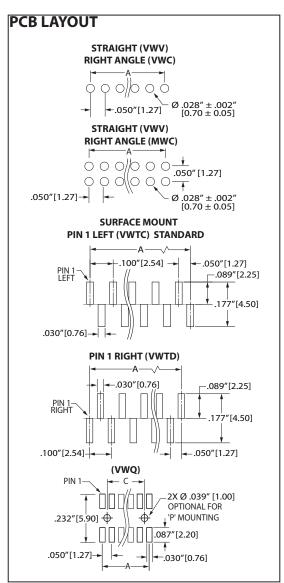
.050" [1.27 mm] Contact Centers, Male Headers, Straight/Right Angle/SMT

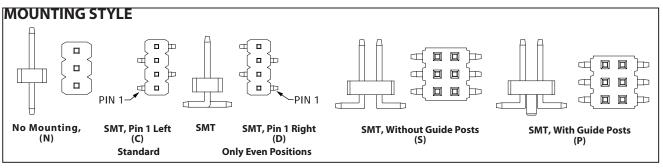
SPECIFICATIONS

- · Insulator Material: Nylon
- · Contact Material: Brass
- · Plating: Gold Flash Overall
- 1 Amp current rating
- · UL Flammability Rating: 94V-0
- · Stacker Options available Consult factory







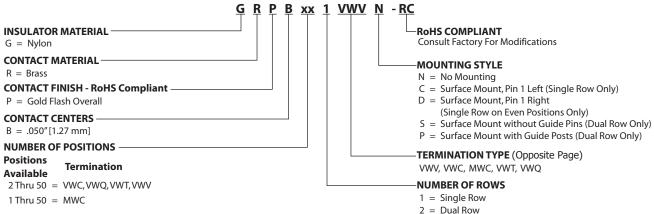


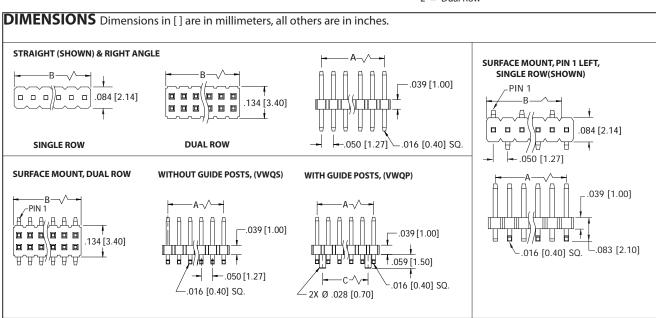


.050" [1.27 mm] Contact Centers, Male Headers, Straight/Right Angle/SMT









POSI-	NUMBER OF CONTACTS	A	4	E	3	С		С		С		POSI-	NUMBER OF CONTACTS	ı	4	ı	3	(Ξ
TIONS	SINGLE/DUAL	in	mm	in	mm	in	mm	TIONS	SINGLE/DUAL	in	mm	in	mm	in	mm				
01	01/02	N/A	N/A	.050	1.27	N.	/^	26	26/52	1.250	31.75	1.300	33.02	1.200	30.48				
02	02/04	.050	1.27	.100	2.54	IN,	'A	27	27/54	1.300	33.02	1.350	34.29	1.250	31.75				
03	03/06	.100	2.54	.150	3.81	.050	1.27	28	28/56	1.350	34.29	1.400	35.56	1.300	33.02				
04	04/08	.150	3.81	.200	5.08	.100	2.54	29	29/58	1.400	35.56	1.450	36.83	1.350	34.29				
05	05/10	.200	5.08	.250	6.35	.150	3.81	30	30/60	1.450	36.83	1.500	38.10	1.400	35.56				
06	06/12	.250	6.35	.300	7.62	.200	5.08	31	31/62	1.500	38.10	1.550	39.37	1.450	36.83				
07	07/14	.300	7.62	.350	8.89	.250	6.35	32	32/64	1.550	39.37	1.600	40.64	1.500	38.10				
08	08/16	.350	8.89	.400	10.16	.300	7.62	33	33/66	1.600	40.64	1.650	41.91	1.550	39.37				
09	09/18	.400	10.16	.450	11.43	.350	8.89	34	34/68	1.650	41.91	1.700	43.18	1.600	40.64				
10	10/20	.450	11.43	.500	12.70	.400	10.16	35	35/70	1.700	43.18	1.750	44.45	1.650	41.91				
11	11/22	.500	12.70	.550	13.97	.450	11.43	36	36/72	1.750	44.45	1.800	45.72	1.700	43.18				
12	12/24	.550	13.97	.600	15.24	.500	12.70	37	37/74	1.800	45.72	1.850	46.99	1.750	44.45				
13	13/26	.600	15.24	.650	16.51	.550	13.97	38	38/76	1.850	46.99	1.900	48.26	1.800	45.72				
14	14/28	.650	16.51	.700	17.78	.600	15.24	39	39/78	1.900	48.26	1.950	49.53	1.850	46.99				
15	15/30	.700	17.78	.750	19.05	.650	16.51	40	40/80	1.950	49.53	2.000	50.80	1.900	48.26				
16	16/32	.750	19.05	.800	20.32	.700	17.78	41	41/82	2.000	50.80	2.050	52.07	1.950	49.53				
17	17/34	.800	20.32	.850	21.59	.750	19.05	42	42/84	2.050	52.07	2.100	53.34	2.000	50.80				
18	18/36	.850	21.59	.900	22.86	.800	20.32	43	43/86	2.100	53.34	2.150	54.61	2.050	52.07				
19	19/38	.900	22.86	.950	24.13	.850	21.59	44	44/88	2.150	54.61	2.200	55.88	2.100	53.34				
20	20/40	.950	24.13	1.000	25.40	.900	22.86	45	45/90	2.200	55.88	2.250	57.15	2.150	54.61				
21	21/42	1.000	25.40	1.050	26.67	.950	24.13	46	46/92	2.250	57.15	2.300	58.42	2.200	55.88				
22	22/44	1.050	26.67	1.100	27.94	1.000	25.40	47	47/94	2.300	58.42	2.350	59.69	2.250	57.15				
23	23/46	1.100	27.94	1.150	29.21	1.050	26.67	48	48/96	2.350	59.69	2.400	60.96	2.300	58.42				
24	24/48	1.150	29.21	1.200	30.48	1.100	27.94	49	49/98	2.400	60.96	2.450	62.23	2.350	59.69				
25	25/50	1.200	30.48	1.250	31.75	1.150	29.21	50	50/100	2.450	62.23	2.500	63.50	2.400	60.96				

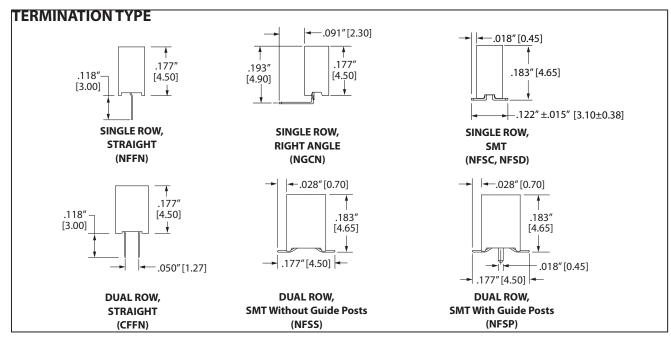
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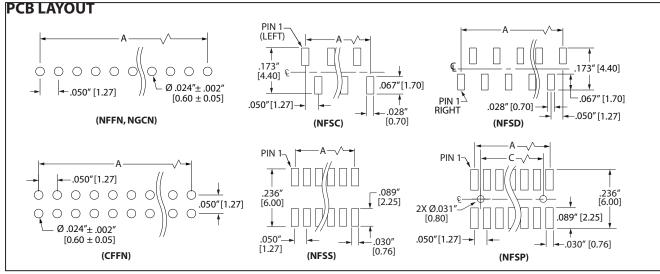
.050" [1.27 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT

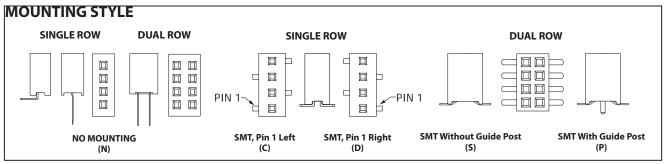
SPECIFICATIONS

- · Insulator Material: LCP
- · Contact Material: Phosphor Bronze
- · Plating: Gold Flash Overall
- 1 Amp current rating
- UL Flammability Rating: 94V-0





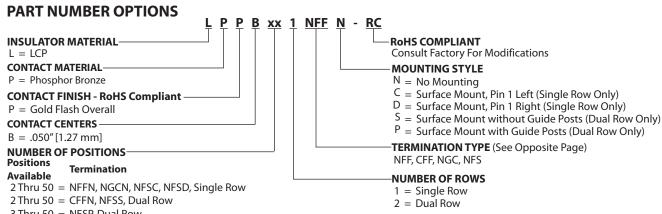


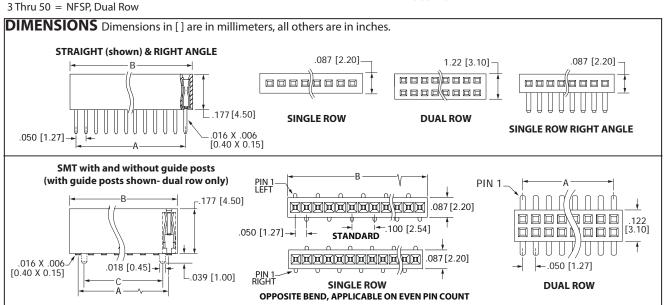




.050" [1.27 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT







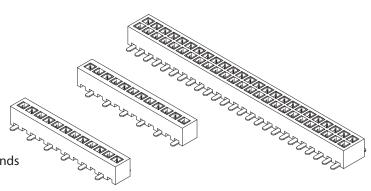
POSI-	NUMBER OF CONTACTS	I	4	E	3	(2	POSI-	NUMBER OF CONTACTS	1	4	E	3	(:
TIONS	SINGLE/DUAL	in	mm	in	mm	in	mm	TIONS	SINGLE/DUAL	in	mm	in	mm	in	mm
02	2/4	.050	1.27	0.116	2.94	N,	/A	27	27/54	1.300	33.02	1.366	34.69	1.250	31.75
03	3/6	.100	2.54	0.166	4.21	.050	1.27	28	28/56	1.350	34.29	1.416	35.96	1.300	33.02
04	4/8	.150	3.81	0.216	5.48	.100	2.54	29	29/58	1.400	35.56	1.466	37.23	1.350	34.29
05	5/10	.200	5.08	0.266	6.75	.150	3.81	30	30/60	1.450	36.83	1.516	38.50	1.400	35.56
06	6/12	.250	6.35	0.316	8.02	.200	5.08	31	31/62	1.500	38.10	1.566	39.77	1.450	36.83
07	7/14	.300	7.62	0.366	9.29	.250	6.35	32	32/64	1.550	39.37	1.616	41.04	1.500	38.10
08	8/16	.350	8.89	0.416	10.56	.300	7.62	33	33/66	1.600	40.64	1.666	42.31	1.550	39.37
09	9/18	.400	10.16	0.466	11.83	.350	8.89	34	34/68	1.650	41.91	1.716	43.58	1.600	40.64
10	10/20	.450	11.43	0.516	13.10	.400	10.16	35	35/70	1.700	43.18	1.766	44.85	1.650	41.91
11	11/22	.500	12.70	0.566	14.37	.450	11.43	36	36/72	1.750	44.45	1.816	46.12	1.700	43.18
12	12/24	.550	13.97	0.616	15.64	.500	12.70	37	37/74	1.800	45.72	1.866	47.39	1.750	44.45
13	13/26	.600	15.24	0.666	16.91	.550	13.97	38	38/76	1.850	46.99	1.916	48.66	1.800	45.72
14	14/28	.650	16.51	0.716	18.18	.600	15.24	39	39/78	1.900	48.26	1.966	49.93	1.850	46.99
15	15/30	.700	17.78	0.766	19.45	.650	16.51	40	40/80	1.950	49.53	2.016	51.20	1.900	48.26
16	16/32	.750	19.05	0.816	20.72	.700	17.78	41	41/82	2.000	50.80	2.066	52.47	1.950	49.53
17	17/34	.800	20.32	0.866	21.99	.750	19.05	42	42/84	2.050	52.07	2.116	53.74	2.000	50.80
18	18/36	.850	21.59	0.916	23.26	.800	20.32	43	43/86	2.100	53.34	2.166	55.01	2.050	52.07
19	19/38	.900	22.86	0.966	24.53	.850	21.59	44	44/88	2.150	54.61	2.216	56.28	2.100	53.34
20	20/40	.950	24.13	1.016	25.80	.900	22.86	45	45/90	2.200	55.88	2.266	57.55	2.150	54.61
21	21/42	1.000	25.40	1.066	27.07	.950	24.13	46	46/92	2.250	57.15	2.316	58.82	2.200	55.88
22	22/44	1.050	26.67	1.116	28.34	1.000	25.40	47	47/94	2.300	58.42	2.366	60.09	2.250	57.15
23	23/46	1.100	27.94	1.166	29.61	1.050	26.67	48	48/96	2.350	59.69	2.416	61.36	2.300	58.42
24	24/48	1.150	29.21	1.216	30.88	1.100	27.94	49	49/98	2.400	60.96	2.466	62.63	2.350	59.69
25	25/50	1.200	30.48	1.266	32.15	1.150	29.21	50	50/100	2.450	62.23	2.516	63.90	2.400	60.96
26	26/52	1.250	31.75	1.316	33.42	1.200	30.48								

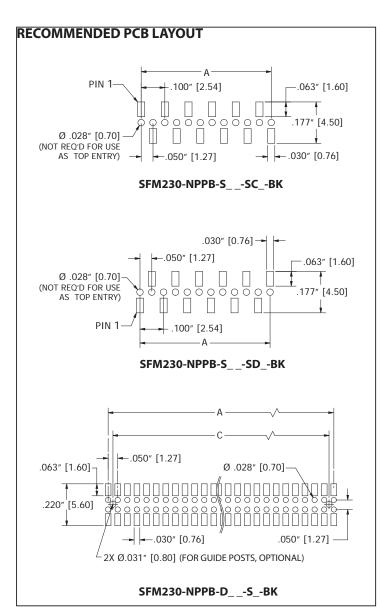
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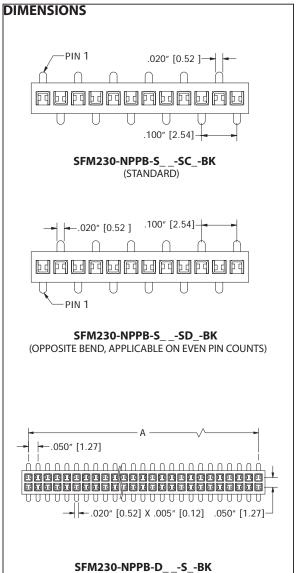
.050" [1.27 mm] Contact Centers, Top/Bottom Entry SMT Female Headers

SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-0
- Contact Resistance: 20 milli Ohms Max.
- · Current Rating: 1 Amp
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 5000 Megohms Min.
- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds (260°C Max. for 10 seconds)





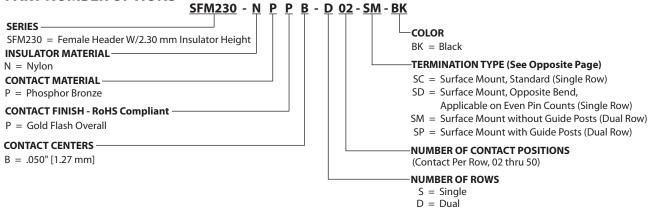


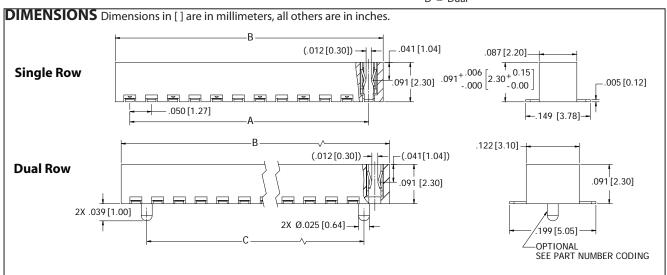


.050" [1.27 mm] Contact Centers, Top/Bottom Entry SMT Female Headers









NUMBER OF

NUMBER OF CONTACTS	1	A	E	3	С		
SINGLE/DUAL	in	mm	in	mm	in	mm	
02/04*	0.050	1.27	0.118	2.99	N,	/A	
03/06	0.100	2.54	0.168	4.26	0.050	1.27	
04/08	0.150	3.81	0.218	5.53	0.100	2.54	
05/10	0.200	5.08	0.268	6.80	0.150	3.81	
06/12	0.250	6.35	0.318	8.07	0.200	5.08	
07/14	0.300	7.62	0.368	9.34	0.250	6.35	
08/16	0.350	8.89	0.418	10.61	0.300	7.62	
09/18	0.400	10.16	0.468	11.88	0.350	8.89	
10/20	0.450	11.43	0.518	13.15	0.400	10.16	
11/22	0.500	12.70	0.568	14.42	0.450	11.43	
12/24	0.550	13.97	0.618	15.69	0.500	12.70	
13/26	0.600	15.24	0.668	16.96	0.550	13.97	
14/28	0.650	16.51	0.718	18.23	0.600	15.24	
15/30	0.700	17.78	0.768	19.50	0.650	16.51	
16/32	0.750	19.05	0.818	20.77	0.700	17.78	
17/34	0.800	20.32	0.868	22.04	0.750	19.05	
18/36	0.850	21.59	0.918	23.31	0.800	20.32	
19/38	0.900	22.86	0.968	24.58	0.850	21.59	
20/40	0.950	24.13	1.018	25.85	0.900	22.86	
21/42	1.000	25.40	1.068	27.12	0.950	24.13	
22/44	1.050	26.67	1.118	28.39	1.000	25.40	
23/46	1.100	27.94	1.168	29.66	1.050	26.67	
24/48	1.150	29.21	1.218	30.93	1.100	27.94	
25/50	1.200	30.48	1.268	32.20	1.150	29.21	
26/52	1.250	31.75	1.318	33.47	1.200	30.48	

CONTACTS	ŀ	1	l t	3	C		
SINGLE/DUAL	in	mm	in	mm	in	mm	
27/54	1.300	33.02	1.368	34.74	1.250	31.75	
28/56	1.350	34.29	1.418	36.01	1.300	33.02	
29/58	1.400	35.56	1.468	37.28	1.350	34.29	
30/60	1.450	36.83	1.518	38.55	1.400	35.56	
31/62	1.500	38.10	1.568	39.82	1.450	36.83	
32/64	1.550	39.37	1.618	41.09	1.500	38.10	
33/66	1.600	40.64	1.668	42.36	1.550	39.37	
34/68	1.650	41.91	1.718	43.63	1.600	40.64	
35/70	1.700	43.18	1.768	44.90	1.650	41.91	
36/72	1.750	44.45	1.818	46.17	1.700	43.18	
37/74	1.800	45.72	1.868	47.44	1.750	44.45	
38/76	1.850	46.99	1.918	48.71	1.800	45.72	
39/78	1.900	48.26	1.968	49.98	1.850	46.99	
40/80	1.950	49.53	2.018	51.25	1.900	48.26	
41/82	2.000	50.80	2.068	52.52	1.950	49.53	
42/84	2.050	52.07	2.118	53.79	2.000	50.80	
43/86	2.100	53.34	2.168	55.06	2.050	52.07	
44/88	2.150	54.61	2.218	56.33	2.100	53.34	
45/90	2.200	55.88	2.268	57.60	2.150	54.61	
46/92	2.250	57.15	2.318	58.87	2.200	55.88	
47/94	2.300	58.42	2.368	60.14	2.250	57.15	
48/96	2.350	59.69	2.418	61.41	2.300	58.42	
49/98	2.400	60.96	2.468	62.68	2.350	59.69	
50/100	2.450	62.23	2.518	63.95	2.400	60.96	

^{*} Not available with guide posts.

Sullins Headers



.050" [1.27 mm] Contact Centers, Shrouded (Box) Headers/Straight/Right Angle/SMT With or Without Post- SBH Series Mates with SFH31 series (See opposite page)

SPECIFICATIONS

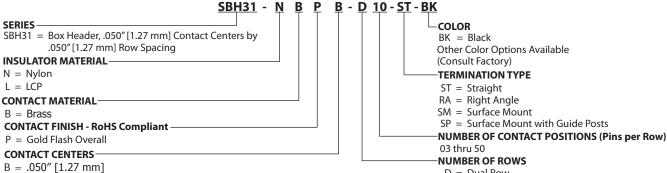
- Polarizing Notch
- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds

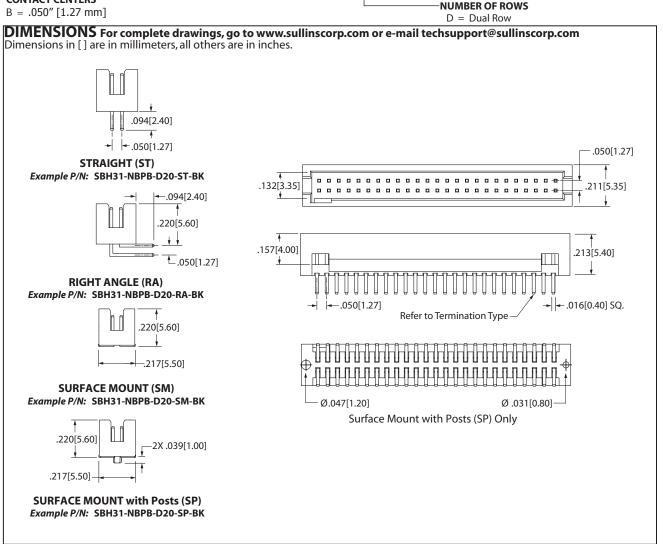
(260°C Max. for 10 seconds)

- UL Flammability Rating: 94V-0
- · Voltage Rating: 20 milli Ohms Max.
- Current Rating: 1 Amp
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 1000 Megohms

TABLE BARBERT OF THE STREET OF

PART NUMBER OPTIONS





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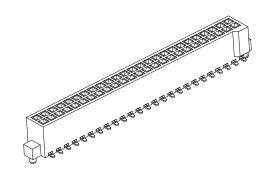


.050" [1.27 mm] Contact Centers, Female Header, SMT with Posts- SFH Series Mates with SBH31 series (See opposite page)

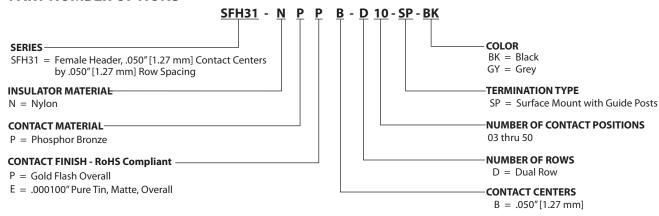


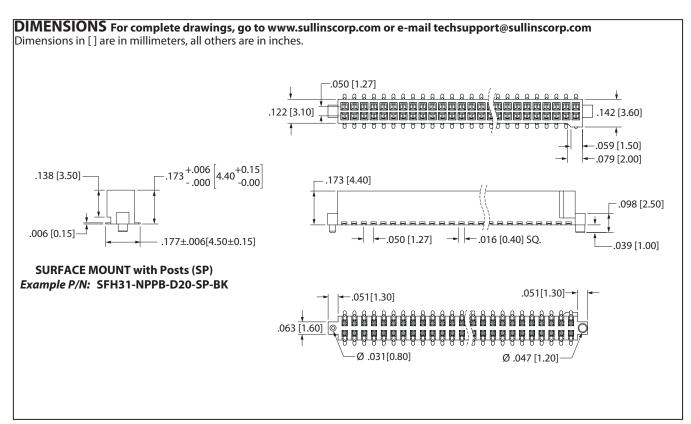
SPECIFICATIONS

- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds (260°C Max. for 10 seconds)
- UL Flammability Rating: 94V-0
- Contact Resistance: 20 milli Ohms Max.
- Current Rating: 1 Amp
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 5000 Megohms



PART NUMBER OPTIONS



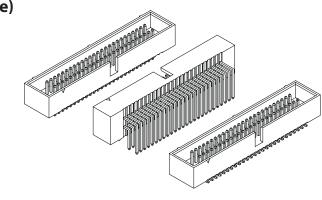


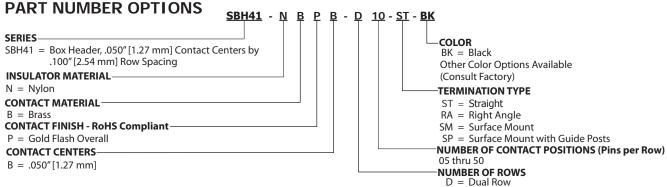
.050" [1.27 mm] Contact Centers Shrouded (Box) Headers, .100" [2.54 mm] Row Spacing Straight/Right Angle/SMT With or Without Post-SBH Series

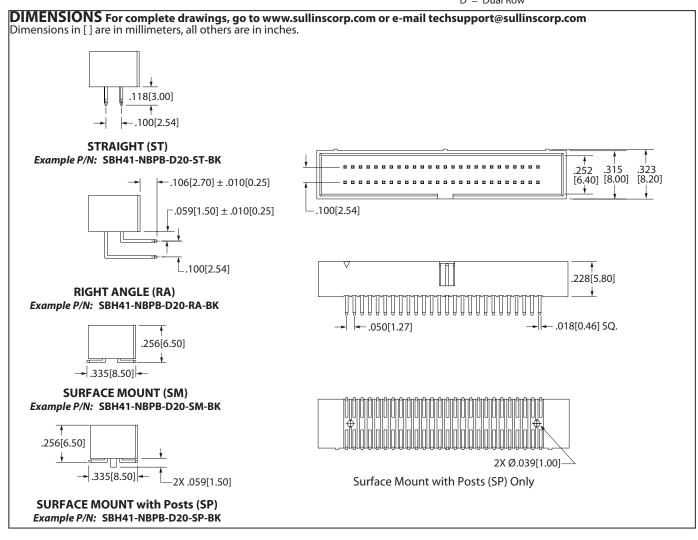
Mates with SFH41 series (See opposite page)

SPECIFICATIONS

- Centered Polarizing Notch
- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds (260°C Max. for 10 seconds)
- UL Flammability Rating: 94V-0
- Voltage Rating: 20 milli Ohms Max.
- Current Rating: 1 Amp
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 1000 Megohms









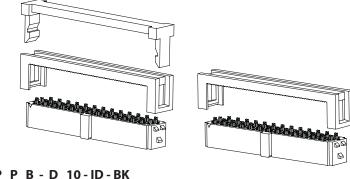
Sullins Headers

.050" [1.27 mm] Contact Centers, IDC Sockets, .100" [2.54 mm] Row Spacing Insulation Displacement With or Without Strain Relief - SFH Series

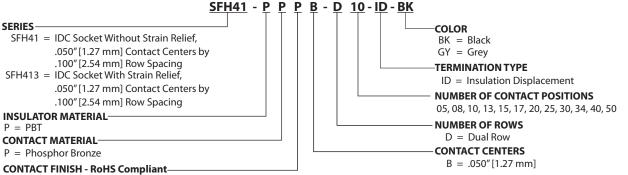
SPECIFICATIONS

- Centered Polarizing Key
- Operating Temperature: -40°C to +105°C
- UL Flammability Rating: 94V-0
- · Contact Resistance: 30 Megohms Max.
- Current Rating: 1 Amp
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 1000 Megohms

PART NUMBER OPTIONS



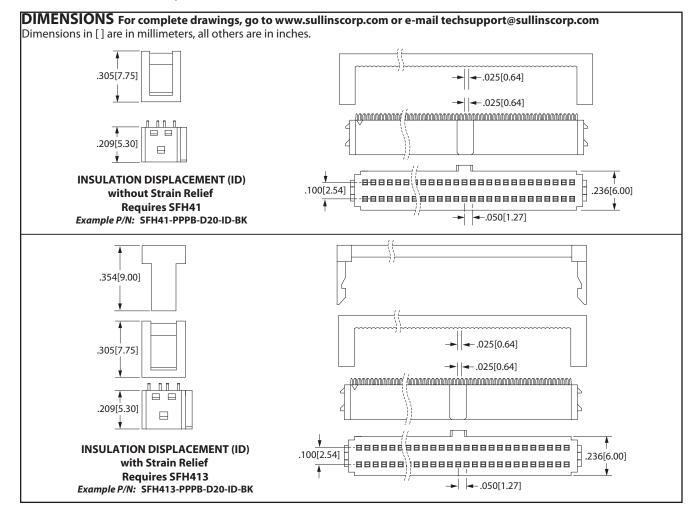
Mates with SBH41 series (See opposite page)



P = Gold Flash Overall

E = .000100" Pure Tin, Matte, Overall

V = Gold Flash on Contact Surface, Nickel on Termination



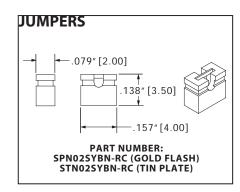


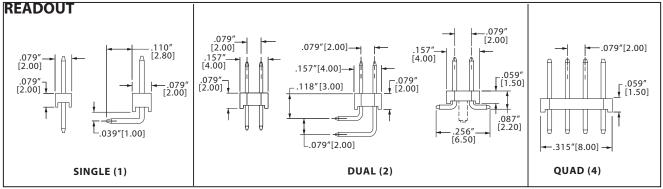
.079" [2.00 mm] Contact Centers, Male Headers, Straight/Right Angle/SMT

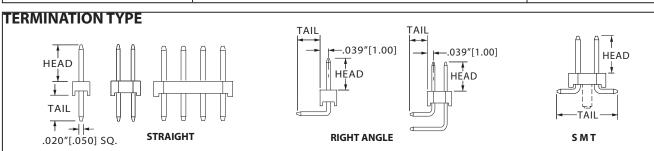
SPECIFICATIONS

- 2 Amps current rating
- UL Flammability Rating: 94V-0
- · Insulator Material: Nylon
- · Contact Material: Brass
- Stacker Options available Consult Factory

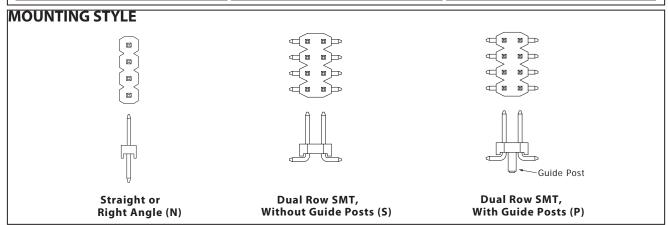








	P/N CODE	ROWS	TERMINATION TYPE	HEAD	TAIL	P/N CODE	ROWS	TERMINATION TYPE	HEAD	TAIL	P/N CODE	ROWS	TERMINATION TYPE	HEAD	TAIL
	PAE	1	STRAIGHT	.142"	.110"	PAR	1	RIGHT ANGLE	.142"	.110"					
	FAL	'	JINAIGITI	[3.60]	[2.80]	FAN	'		[3.60]	[2.80]					
	PAE	,	STRAIGHT	.142"	.110"	PAR	2	RIGHT ANGLE	.142"	.110"	мам	2	SMT	.142"	.256"
	FAL		JINAIGITI	[3.60]	[2.80]	FAN	4		[3.60]	[2.80]	IVIAIVI			[3.60]	[6.50]
	RCC	4	STRAIGHT	.173"	.094"										
			STRAIGHT	[4.40]	[2.40]										

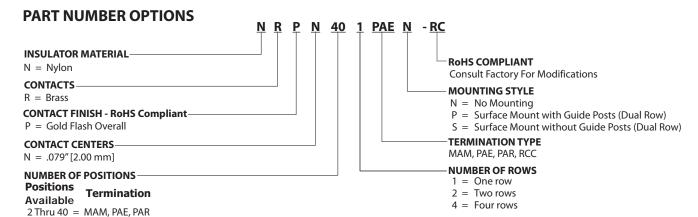


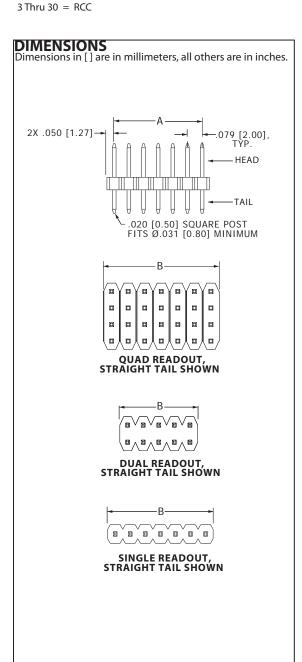
Straight/Right Angle/SMT



.079" [2.00 mm] Contact Centers, Male Headers,







	NUMBER OF CONTACTS	,	A	В		
PART NUMBER	SINGLE/DUAL/ QUAD	in	mm	in	mm	
NRPN02RC	02/04	0.079	2.00	0.157	4.00	
NRPN03RC	03/06/12	0.157	4.00	0.236	6.00	
NRPN04RC	04/08/16	0.236	6.00	0.315	8.00	
NRPN05RC	05/10/20	0.315	8.00	0.394	10.00	
NRPN06RC	06/12/24	0.394	10.00	0.472	12.00	
NRPN07RC	07/14/28	0.472	12.00	0.551	14.00	
NRPN08RC	08/16/32	0.551	14.00	0.630	16.00	
NRPN09RC	09/18/36	0.630	16.00	0.709	18.00	
NRPN10RC	10/20/40	0.709	18.00	0.787	20.00	
NRPN11RC	11/22/44	0.787	20.00	0.866	22.00	
NRPN12RC	12/24/48	0.866	22.00	0.945	24.00	
NRPN13RC	13/26/52	0.945	24.00	1.024	26.00	
NRPN14RC	14/28/56	1.024	26.00	1.102	28.00	
NRPN15RC	15/30/60	1.102	28.00	1.181	30.00	
NRPN16RC	16/32/64	1.181	30.00	1.260	32.00	
NRPN17RC	17/34/68	1.260	32.00	1.339	34.00	
NRPN18RC	18/36/72	1.339	34.00	1.417	36.00	
NRPN19RC	19/38/76	1.417	36.00	1.496	38.00	
NRPN20RC	20/40/80	1.496	38.00	1.575	40.00	
NRPN21RC	21/42/84	1.575	40.00	1.654	42.00	
NRPN22RC	22/44/88	1.654	42.00	1.732	44.00	
NRPN23RC	23/46/92	1.732	44.00	1.811	46.00	
NRPN24RC	24/48/96	1.811	46.00	1.890	48.00	
NRPN25RC	25/50/100	1.890	48.00	1.969	50.00	
NRPN26RC	26/52/104	1.969	50.00	2.047	52.00	
NRPN27RC	27/54/108	2.047	52.00	2.126	54.00	
NRPN28RC	28/56/112	2.126	54.00	2.205	56.00	
NRPN29RC	29/58/116	2.205	56.00	2.283	58.00	
NRPN30RC	30/60/120	2.283	58.00	2.362	60.00	
NRPN31RC	31/62	2.362	60.00	2.441	62.00	
NRPN32RC	32/64	2.441	62.00	2.520	64.00	
NRPN33RC	33/66	2.520	64.00	2.598	66.00	
NRPN34RC	34/68	2.598	66.00	2.677	68.00	
NRPN35RC	35/70	2.677	68.00	2.756	70.00	
NRPN36RC	36/72	2.756	70.00	2.835	72.00	
NRPN37RC	37/74	2.835	72.00	2.913	74.00	
NRPN38RC	38/76	2.913	74.00	2.992	76.00	
NRPN39RC	39/78	2.992	76.00	3.071	78.00	
NRPN40RC	40/80	3.071	78.00	3.150	80.00	

SULLINS

.079" [2.00 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT

SPECIFICATIONS

2 Amps current rating

• UL Flammability Rating: 94V-0

· Insulator Material: Black Nylon

· Contact Material: Phosphor Bronze

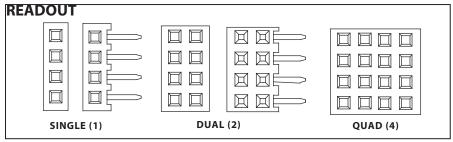


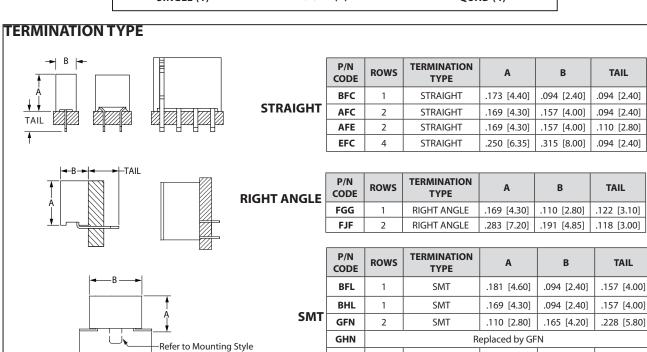
.173 [4.40]

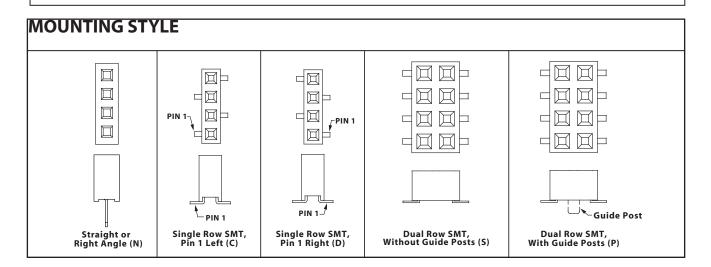
.157 [4.00]

.228 [5.80]

SMT







FFK

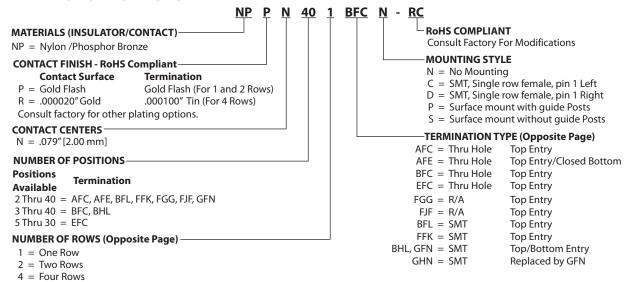
2



.079" [2.00 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT



PART NUMBER OPTIONS



1 Tournows
DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.
.059[1.50]
SINGLE READOUT, STRAIGHT TAIL SHOWN
.057[1.45]
DUAL READOUT, STRAIGHT TAIL SHOWN
B .250[6.35]
QUAD READOUT, STRAIGHT TAIL SHOWN

NUMBER OF CONTACTS		O CENTER TH [A]		LENGTH
SINGLE/DUAL/ QUAD	in	mm	in	mm
02/04/NA	0.079	2.00	0.157	4.00
03/06/NA	0.157	4.00	0.236	6.00
04/08/NA	0.236	6.00	0.315	8.00
05/10/20	0.315	8.00	0.394	10.00
06/12/24	0.394	10.00	0.472	12.00
07/14/28	0.472	12.00	0.551	14.00
08/16/32	0.551	14.00	0.630	16.00
09/18/36	0.630	16.00	0.709	18.00
10/20/40	0.709	18.00	0.787	20.00
11/22/44	0.787	20.00	0.866	22.00
12/24/48	0.866	22.00	0.945	24.00
13/26/52	0.945	24.00	1.024	26.00
14/28/54	1.024	26.00	1.102	28.00
15/30/60	1.102	28.00	1.181	30.00
16/32/64	1.181	30.00	1.260	32.00
17/34/68	1.260	32.00	1.339	34.00
18/36/72	1.339	34.00	1.417	36.00
19/38/76	1.417	36.00	1.496	38.00
20/40/80	1.496	38.00	1.575	40.00
21/42/84	1.575	40.00	1.654	42.00
22/44/88	1.654	42.00	1.732	44.00
23/46/92	1.732	44.00	1.811	46.00
24/48/96	1.811	46.00	1.890	48.00
25/50/100	1.890	48.00	1.969	50.00
26/52/104	1.969	50.00	2.047	52.00
27/54/108	2.047	52.00	2.126	54.00
28/56/112	2.126	54.00	2.205	56.00
29/58/116	2.205	56.00	2.283	58.00
30/60/120	2.283	58.00	2.362	60.00
31/62/NA	2.362	60.00	2.441	62.00
32/64/NA	2.441	62.00	2.520	64.00
33/66/NA	2.520	64.00	2.598	66.00
34/68/NA	2.598	66.00	2.677	68.00
35/70/NA	2.677	68.00	2.756	70.00
36/72/NA	2.756	70.00	2.835	72.00
37/74/NA	2.835	72.00	2.913	74.00
38/76/NA	2.913	74.00	2.992	76.00
39/78/NA	2.992	76.00	3.071	78.00
40/80/NA	3.071	78.00	3.150	80.00

^{**} Dimension 'B' as shown are for 'FFK', Consult factory for other termination.

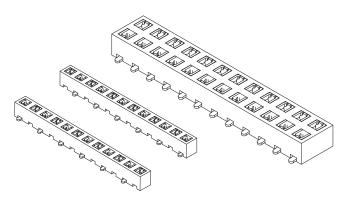


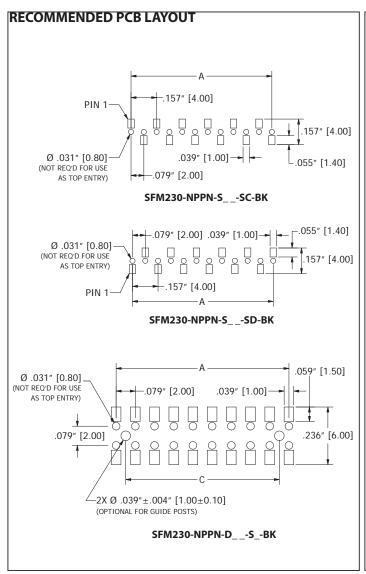
SULLINS

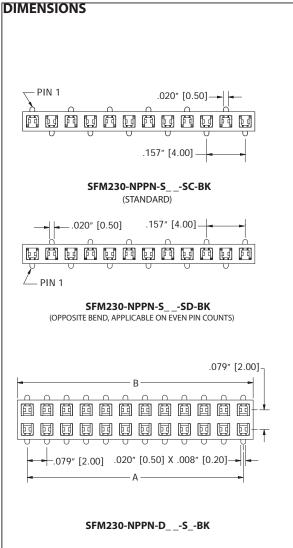
.079" [2.00 mm] Contact Centers, Top/Bottom Entry SMT Female Headers

SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-0
- · Contact Resistance: 20 milli Ohms Max.
- Current Rating: 2 Amps
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 5000 Megohms Min.
- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds (260°C Max. for 10 seconds)





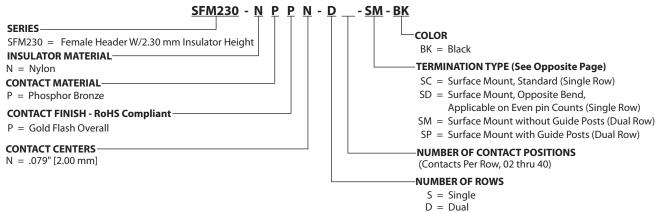


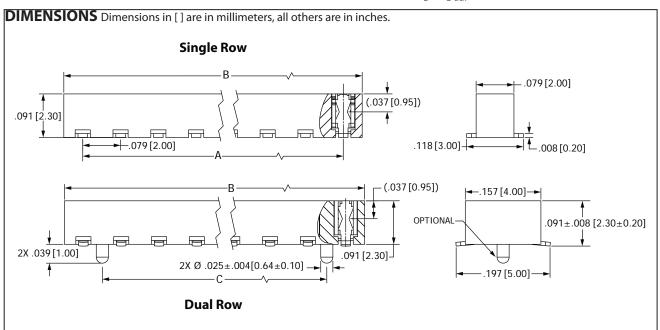


.079" [2.00 mm] Contact Centers, Top/Bottom Entry SMT Female Headers



PART NUMBER OPTIONS





NUMBER OF		A	E	3	С		
CONTACTS SINGLE/DUAL	in	mm	in	mm	in	mm	
02/04*	0.079	2.00	0.157	4.00	N/A	N/A	
03/06	0.157	4.00	0.236	6.00	0.079	2.00	
04/08	0.236	6.00	0.315	8.00	0.157	4.00	
05/10	0.315	8.00	0.394	10.00	0.236	6.00	
06/12	0.394	10.00	0.472	12.00	0.315	8.00	
07/14	0.472	12.00	0.551	14.00	0.394	10.00	
08/16	0.551	14.00	0.630	16.00	0.472	12.00	
09/18	0.630	16.00	0.709	18.00	0.551	14.00	
10/20	0.709	18.00	0.787	20.00	0.630	16.00	
11/22	0.787	20.00	0.866	22.00	0.709	18.00	
12/24	0.866	22.00	0.945	24.00	0.787	20.00	
13/26	0.945	24.00	1.024	26.00	0.866	22.00	
14/28	1.024	26.00	1.102	28.00	0.945	24.00	
15/30	1.102	28.00	1.181	30.00	1.024	26.00	
16/32	1.181	30.00	1.260	32.00	1.102	28.00	
17/34	1.260	32.00	1.339	34.00	1.181	30.00	
18/36	1.339	34.00	1.417	36.00	1.260	32.00	
19/38	1.417	36.00	1.496	38.00	1.339	34.00	
20/40	1.496	38.00	1.575	40.00	1.417	36.00	
21/42	1.575	40.00	1.654	42.00	1.496	38.00	

NUMBER OF	1	4	ı	3	c		
CONTACTS SINGLE/DUAL	in	mm	in	mm	in	mm	
22/44	1.654	42.00	1.732	44.00	1.575	40.00	
23/46	1.732	44.00	1.811	46.00	1.654	42.00	
24/48	1.811	46.00	1.890	48.00	1.732	44.00	
25/50	1.890	48.00	1.969	50.00	1.811	46.00	
26/52	1.969	50.00	2.047	52.00	1.890	48.00	
27/54	2.047	52.00	2.126	54.00	1.969	50.00	
28/56	2.126	54.00	2.205	56.00	2.047	52.00	
29/58	2.205	56.00	2.283	58.00	2.126	54.00	
30/60	2.283	58.00	2.362	60.00	2.205	56.00	
31/62	2.362	60.00	2.441	62.00	2.283	58.00	
32/64	2.441	62.00	2.520	64.00	2.362	60.00	
33/66	2.520	64.00	2.598	66.00	2.441	62.00	
34/68	2.598	66.00	2.677	68.00	2.520	64.00	
35/70	2.677	68.00	2.756	70.00	2.598	66.00	
36/72	2.756	70.00	2.835	72.00	2.677	68.00	
37/74	2.835	72.00	2.913	74.00	2.756	70.00	
38/76	2.913	74.00	2.992	76.00	2.835	72.00	
39/78	2.992	76.00	3.071	78.00	2.913	74.00	
40/80	3.071	78.00	3.150	80.00	2.992	76.00	

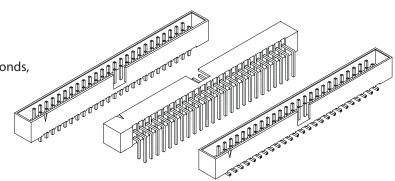
^{*} Not available with guide posts.



.079" [2.00 mm] Contact Centers, Shrouded (Box) Headers, Straight/Right Angle/SMT - SBH Series Mates with SFH21 series (See opposite page)

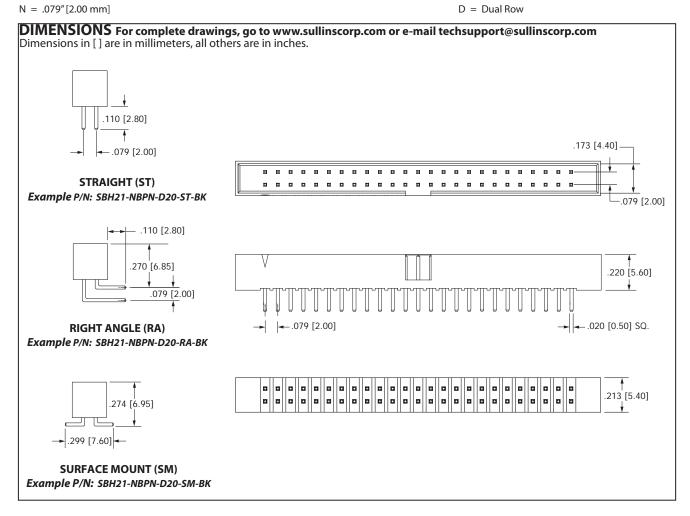
SPECIFICATIONS

- Centered Polarizing Notch
- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds, (260°C Max. 10 seconds)
- UL Flammability Rating: 94V-0
- Voltage Rating: 20 milli Ohms Max.
- Current Rating: 2 Amps
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 5000 Megohms



PART NUMBER OPTIONS

<u>SBH21</u> - <u>N</u> <u>B</u> <u>P</u> N - D 10 - ST - BK **SERIES** COLOR SBH21 = Box Header, .079" [2.00 mm] Contact Centers by BK = Black.079" [2.00 mm] Row Spacing Other Color Options Available (Consult Factory) **INSULATOR MATERIAL** TERMINATION TYPE N = NylonST = Straight CONTACT MATERIAL-RA = Right Angle B = BrassSM = Surface Mount **CONTACT FINISH - RoHS Compliant NUMBER OF CONTACT POSITIONS (Pins per Row)** P = Gold Flash Overall 03 thru 18, 20, 22, 25, 30, 32, 34 **CONTACT CENTERS** NUMBER OF ROWS



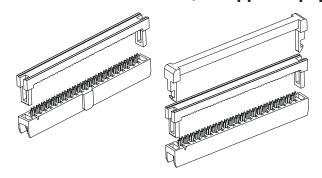


.079" [2.00 mm] Contact Centers, IDC Sockets, Insulation Displacement With or Without Strain Relief-SFH Series Mates with SBH21 series (See opposite page)

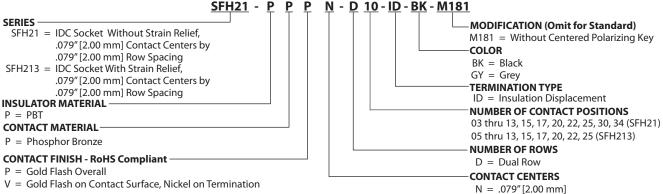


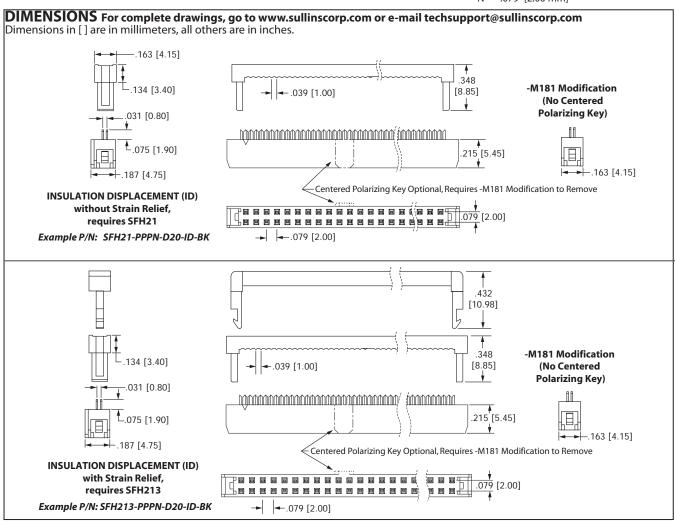
SPECIFICATIONS

- Centered Polarizing Key Optional
- Operating Temperature: -45°C to +105°C
- UL Flammability Rating: 94V-0
- Current Rating: 1 Amp
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 1000 Megohms



PART NUMBER OPTIONS





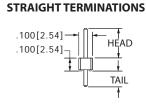
SULLINS

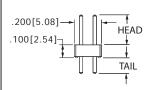
.100" [2.54 mm] Contact Centers, Male Breakaway Headers, Straight/Right Angle/SMT

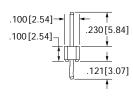
SPECIFICATIONS

- · 3 Amps current rating
- UL Flammability Rating: 94V-0
- Insulator: Polyester, PA9T, PPS, PEEK
- Contact Material: Phosphor Bronze, Beryllium Copper
- · See jumpers section for options available
- Consult Factory for PCB Layout

TERMINATION TYPES





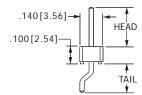


RETENTION LEAD MOUNTING (EXAMPLE P/N: AMC36SAAR)

P/N CODE	HEAD	TAIL
AA	.230 [5.84]	.120 [3.05]
AB	.230 [5.84]	.230 [5.84]
AC	.230 [5.84]	.320 [8.13]
AD	.230 [5.84]	.420 [10.67]
AE	.23 [5.84]	.520 [13.21]
AF	.230 [5.84]	.620 [15.75]
AG	.230 [5.84]	.720 [18.29]
AH	.230 [5.84]	.820 [20.83]
AI*	.230 [5.84]	.900 [22.86]
AJ*	.230 [5.84]	1.000 [25.40]
AK*	.230 [5.84]	.035 [0.89]
FA	.318 [8.08]	.120 [3.05]
FB	.318 [8.08]	.220 [5.59]
FC	.318 [8.08]	.320 [8.13]
FD	.318 [8.08]	.420 [10.67]
FE	.318 [8.08]	.520 [13.21]
FF*	.318 [8.08]	.620 [15.75]
FG*	.318 [8.08]	.710 [18.03]
FH*	.318 [8.08]	.810 [20.57]
FI*	.318 [8.08]	.910 [23.11]
FJ*	.318 [8.08]	.050 [1.27]
ZA	.120 [3.05]	.120 [3.05]
ZB*	.120 [3.05]	.095 [2.41]
ZC	.120 [3.05]	.260 [6.60]
ZD	.120 [3.05]	.610 [15.49]
ZI*	.520 [13.21]	.110 [2.79]
ZJ*	.720 [18.29]	.110 [2.79]
ZO*	.820 [20.83]	.110 [2.79]
ZQ*	1.020 [25.91]	.110 [2.79]
ZR*	1.220 [30.99]	.110 [2.79]

*Consult factory for availability.

SMT TERMINATIONS Single Row with -M89, -M511 Modification Code

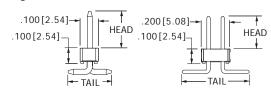


P/N CODE	HEAD	TAIL
BS	.230 [5.84]	.180 [4.57]
GS	.318 [8.08]	.180 [4.57]
ZC*	.120 [3.05]	.180 [4.57]
ZU*	.420 [10.67]	.180 [4.57]

*Consult factory for availability.

SMT TERMINATIONS

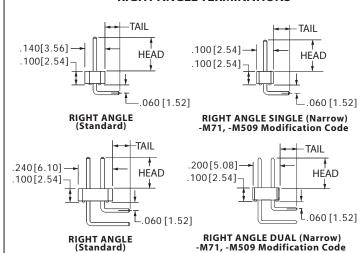
Single or Dual Row with -M30, -M508 Modification Code



P/N CODE	HEAD	SINGLE ROW TAIL	DUAL ROW TAIL
AB	.230 [5.84]	.320 [8.13]	.420 [10.67]
FB	.318 [8.08]	.300 [7.62]	.400 [10.16]
ZS*	.120 [3.05]	.200 [5.08]	.300 [7.62]
ZT*	.420 [10.67]	.200 [5.08]	.300 [7.62]

*Consult factory for availability.

RIGHT ANGLE TERMINATIONS



P/N CODE	HEAD	TAIL	-M71, -M509 TAIL
BA	.230 [5.84]	.100 [2.54]	.120 [3.05]
BB	.230 [5.84]	.200 [5.08]	.220 [5.59]
ВС	.230 [5.84]	.300 [7.62]	.320 [8.13]
BD	.230 [5.84]	.400 [10.16]	.420 [10.67]
BE	.230 [5.84]	.500 [12.70]	.520 [13.21]
BF**	.230 [5.84]	.600 [15.24]	.620 [15.75]
BG**	.230 [5.84]	.700 [17.78]	.720 [18.29]
BH*	.230 [5.84]	.800 [20.32]	.820 [20.83]
BI*	.230 [5.84]	.900 [22.86]	.920 [23.37]
BJ*	.230 [5.84]	1.000 [25.40]	1.020 [25.91]
GA	.318 [8.08]	.100 [2.54]	.120 [3.05]
GB	.318 [8.08]	.200 [5.08]	.220 [5.59]
GC**	.318 [8.08]	.300 [7.62]	.320 [8.13]
GD**	.318 [8.08]	.400 [10.16]	.420 [10.67]
GE*	.318 [8.08]	.600 [15.24]	.620 [15.75]
GF*	.318 [8.08]	.800 [20.32]	.820 [20.83]
DA**	.120 [3.05]	.120 [3.05]	.140 [3.56]

*Consult factory for availability.

Sullins Headers

^{**}Consult factory for availability in Dual Readout.



.100" [2.54 mm] Contact Centers, Male Breakaway Headers, Straight/Right Angle/SMT



PART NUMBER OPTIONS

MATERIALS (INSULATOR/CONTACT)

 $\mathsf{P} \,=\, \mathsf{Black}\,\mathsf{PBT/Phosphor}\,\mathsf{Bronze}$

Operating Temperature: -65°C to +125°C

Processing Temperature: Manual/Wave Soldering

G = Black PA9T/Phosphor Bronze

Operating Temperature: -65°C to +150°C

Processing Temperature: 260°C Max. for 10 sec.

L = White PA9T/Phosphor Bronze

Operating Temperature: -65°C to +150°C

Processing Temperature: 260°C Max. for 10 sec.

*A = Green PPS/Beryllium Copper (Consult Factory) Operating Temperature: -65°C to +200°C

Processing Temperature: 260°C Max. for 20 sec.

*Y = Tan PEEK/Beryllium Copper (Consult Factory) Operating Temperature: -65°C to +250°C

Processing Temperature: 260°C Max. for 20 sec. *Available with overall gold plating ('M') only

CONTACT FINISH - RoHS Compliant -

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

C = .000030" Gold E = .000100" Pure Tin, Matte, Overall

G = .000010" Gold .000005" Gold

G = .000010" Gold .000010" Gold Overall
M = .000030" Gold .000010" Gold Overall

CONTACT CENTERS

DIMENSIONS

C = .100" [2.54 mm]

NUMBER OF POSITIONS

01 Thru 36 (eg. 36 Dual = 72 Contacts)

<u>P B C 36 D AA N - Mxxx</u>

MODIFICATION CODE (Consult Factory)

OMIT FOR STANDARD

-M500 = Brown PPS**

-M30 = SMT, Vertical (M508 for brown PPS**)

-M89 = SMT, Horizontal (M511 for brown PPS**)

Available with single row only
-M71 = Narrow Body (M509 for brown PPS**)

Available with Right Angle Only

**Brown PPS available with material code 'A' only

MOUNTING STYLE

N = No Mounting

R = Retention Lead (Single Row & 'AA' Termination Only)

TERMINATION TYPE (Opposite Page)

Straight = AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK,

FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, ZA, ZB, ZC, ZD, ZI, ZJ, ZO, ZQ, ZR

Right Angle = BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ

GA, GB, GC, GD, GE, GF, DA

Right Angle with -M71, -M509 Modification Code

= BA, BB, BC, BD, BE, BH, BI, BJ, GA, GB, GE, GF

SMT with -M89, -M511 Modification Code

= BS, GS, ZC, ZU

SMT with -M30, -M508 Modification Code

= AB, FB, ZS, ZT

READOUT (Opposite Page)

S = Single

NUMBER OF

D = Dual

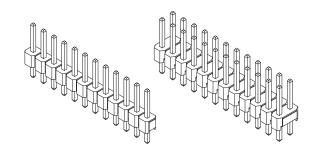
Dimensions in [] are in	millimeters, all others are in inches.
2X .050 [1.27]	.100 TYP. [2.54] 025 [0.64] SQUARE POST FITS Ø .040[1.02] MINIMUM B SINGLE READOUT,
2X .050[1.27]	INGLE READOUT, RAIGHT TAIL SHOWN
ST	B B B B B B B B B B B B B B B B B B B

PART NUMBER	CONTACTS				
	SINGLE/DUAL	in	mm	in	mm
C01S(D)	01/02	0.000	0.00	0.100	2.54
C02S(D)	02/04	0.100	2.54	0.200	5.08
C03S(D)	03/06	0.200	5.08	0.300	7.62
C04S(D)	04/08	0.300	7.62	0.400	10.16
C05S(D)	05/10	0.400	10.16	0.500	12.70
C06S(D)	06/12	0.500	12.70	0.600	15.24
C07S(D)	07/14	0.600	15.24	0.700	17.78
C08S(D)	08/16	0.700	17.78	0.800	20.32
C09S(D)	09/18	0.800	20.32	0.900	22.86
C10S(D)	10/20	0.900	22.86	1.000	25.40
C11S(D)	11/22	1.000	25.40	1.100	27.94
C12S(D)	12/24	1.100	27.94	1.200	30.48
C13S(D)	13/26	1.200	30.48	1.300	33.02
C14S(D)	14/28	1.300	33.02	1.400	35.56
C15S(D)	15/30	1.400	35.56	1.500	38.10
C16S(D)	16/32	1.500	38.10	1.600	40.64
C17S(D)	17/34	1.600	40.64	1.700	43.18
C18S(D)	18/36	1.700	43.18	1.800	45.72
C19S(D)	19/38	1.800	45.72	1.900	48.26
C20S(D)	20/40	1.900	48.26	2.000	50.80
C21S(D)	21/42	2.000	50.80	2.100	53.34
C22S(D)	22/44	2.100	53.34	2.200	55.88
C23S(D)	23/46	2.200	55.88	2.300	58.42
C24S(D)	24/48	2.300	58.42	2.400	60.96
C25S(D)	25/50	2.400	60.96	2.500	63.50
C26S(D)	26/52	2.500	63.50	2.600	66.04
C27S(D)	27/54	2.600	66.04	2.700	68.58
C28S(D)	28/56	2.700	68.58	2.800	71.12
C29S(D)	29/58	2.800	71.12	2.900	73.66
C30S(D)	30/60	2.900	73.66	3.000	76.20
C31S(D)	31/62	3.000	76.20	3.100	78.74
C32S(D)	32/64	3.100	78.74	3.200	81.28
C33S(D)	33/66	3.200	81.28	3.300	83.82
C34S(D)	34/68	3.300	83.82	3.400	86.36
C35S(D)	35/70	3.400	86.36	3.500	88.90
C36S(D)	36/72	3.500	88.90	3.600	91.44

.100" [2.54 mm] Contact Centers, Male Breakaway Headers, **Straight**

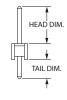
SPECIFICATIONS

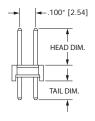
- 3 Amps current rating
- UL Flammability Rating: 94V-0
- Insulator Material: PBT, Nylon, LCP
- · Contact Material: Brass



TERMINATION TYPES

STRAIGHT TERMINATIONS





P/N CODE	HEAD	TAIL
AA	0.230" [5.84]	0.120" [3.05]
AB	0.230″ [5.84]	0.230″ [5.84]
AC	0.230″ [5.84]	0.320" [8.13]
AD	0.230" [5.84]	0.420″[10.67]
AE	0.230″ [5.84]	0.520″ [13.21]
AF	0.230" [5.84]	0.620″[15.75]
AG	0.230" [5.84]	0.720″ [18.29]
АН	0.230″ [5.84]	0.820″ [20.83]
AI	0.230" [5.84]	0.900"[22.86]
AJ	0.230" [5.84]	1.000″ [25.40]
AK	0.230″ [5.84]	0.035″[0.89]
FA	0.318" [8.08]	0.120" [3.05]
FB	0.318" [8.08]	0.220″ [5.59]
FC	0.318" [8.08]	0.320" [8.13]
FD	0.318" [8.08]	0.420″[10.67]
FE	0.318" [8.08]	0.520″[13.21]
FF	0.318" [8.08]	0.620″[15.75]
FG	0.318"[8.08]	0.710″[18.03]
FH	0.318" [8.08]	0.810″ [20.57]
FI	0.318" [8.08]	0.910″[23.11]
FJ	0.318" [8.08]	0.050″[1.27]
ZA	0.120″[3.05]	0.120"[3.05]
ZB	0.120" [3.05]	0.095"[2.41]
ZC	0.120" [3.05]	0.260" [6.60]
ZD	0.120″[3.05]	0.610″[15.49]
ZI	0.520″ [13.21]	0.110″ [2.79]
ZJ	0.720″ [18.29]	0.110" [2.79]
zo	0.820″ [20.83]	0.110″ [2.79]
ZQ	1.020″ [25.91]	0.110″ [2.79]
ZR	1.220″ [30.99]	0.110" [2.79]

DIMENSIONS -B±.012"[±0.30]-.098" [2.50] -.100"[2.54] .025"[0.64] SQ. Fits Ø .039" [1.00] Min. hole SINGLE READOUT, **STRAIGHT TAIL SHOWN** -B±.012" [±0.30] -.098"[2.50] .025"[0.64] SQ. .100" [2.54] Fits Ø .039" [1.00] Min. hole **DUAL READOUT, STRAIGHT TAIL SHOWN**

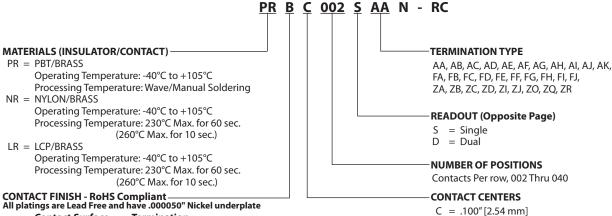
Sullins Headers



.100" [2.54 mm] Contact Centers, Male Breakaway Headers, Straight



PART NUMBER OPTIONS



Contact Surface B = .000010'' GoldC = .000030" Gold

Termination .000100" Pure Tin, Matte .000100" Pure Tin, Matte

E = Tin Overall

P = Gold Flash Overall

DADT NUMBER		Ą		3	DART NUMBER		A		В
PART NUMBER	in	mm	in	mm	PART NUMBER	in	mm	in	mm
_ R _C002SRC	0.100	2.54	0.200	5.08	_ R _C002DRC	0.100	2.54	0.200	5.08
_ R _C003SRC	0.200	5.08	0.300	7.62	_ R _C003DRC	0.200	5.08	0.300	7.62
_ R _C004SRC	0.300	7.62	0.400	10.16	_ R _C004DRC	0.300	7.62	0.400	10.16
_ R _C005SRC	0.400	10.16	0.500	12.70	_ R _C005DRC	0.400	10.16	0.500	12.70
_ R _C006SRC	0.500	12.70	0.600	15.24	_ R _C006DRC	0.500	12.70	0.600	15.24
_ R _C007SRC	0.600	15.24	0.700	17.78	_ R _C007DRC	0.600	15.24	0.700	17.78
_R _C008SRC	0.700	17.78	0.800	20.32	_ R _C008DRC	0.700	17.78	0.800	20.32
_R_C009SRC	0.800	20.32	0.900	22.86	_ R _C009DRC	0.800	20.32	0.900	22.86
_ R _C010SRC	0.900	22.86	1.000	25.40	_ R _C010DRC	0.900	22.86	1.000	25.40
_R_C011SRC	1.000	25.40	1.100	27.94	_ R _C011DRC	1.000	25.40	1.100	27.94
_R_C012SRC	1.100	27.94	1.200	30.48	_R_C012DRC	1.100	27.94	1.200	30.48
_R_C013SRC	1.200	30.48	1.300	33.02	_ R _C013DRC	1.200	30.48	1.300	33.02
_ R _C014SRC	1.300	33.02	1.400	35.56	_ R _C014DRC	1.300	33.02	1.400	35.56
_ R _C015SRC	1.400	35.56	1.500	38.10	_ R _C015DRC	1.400	35.56	1.500	38.10
_ R _C016SRC	1.500	38.10	1.600	40.64	_ R _C016DRC	1.500	38.10	1.600	40.64
_ R _C017SRC	1.600	40.64	1.700	43.18	_ R _C017DRC	1.600	40.64	1.700	43.18
_ R _C018SRC	1.700	43.18	1.800	45.72	_ R _C018DRC	1.700	43.18	1.800	45.72
_ R _C019SRC	1.800	45.72	1.900	48.26	_ R _C019DRC	1.800	45.72	1.900	48.26
_ R _C020SRC	1.900	48.26	2.000	50.80	_ R _C020DRC	1.900	48.26	2.000	50.80
_R_C021SRC	2.000	50.80	2.100	53.34	_R_C021DRC	2.000	50.80	2.100	53.34
_ R _C022SRC	2.100	53.34	2.200	55.88	_ R _C022DRC	2.100	53.34	2.200	55.88
_ R _C023SRC	2.200	55.88	2.300	58.42	_ R _C023DRC	2.200	55.88	2.300	58.42
_ R _C024SRC	2.300	58.42	2.400	60.96	_ R _C024DRC	2.300	58.42	2.400	60.96
_ R _C025SRC	2.400	60.96	2.500	63.50	_ R _C025DRC	2.400	60.96	2.500	63.50
_ R _C026SRC	2.500	63.50	2.600	66.04	_ R _C026DRC	2.500	63.50	2.600	66.04
_ R _C027SRC	2.600	66.04	2.700	68.58	_ R _C027DRC	2.600	66.04	2.700	68.58
_ R _C028SRC	2.700	68.58	2.800	71.12	_ R _C028DRC	2.700	68.58	2.800	71.12
_ R _C029SRC	2.800	71.12	2.900	73.66	_ R _C029DRC	2.800	71.12	2.900	73.66
_ R _C030SRC	2.900	73.66	3.000	76.20	_ R _C030DRC	2.900	73.66	3.000	76.20
_ R _C031SRC	3.000	76.20	3.100	78.74	_ R _C031DRC	3.000	76.20	3.100	78.74
_ R _C032SRC	3.100	78.74	3.200	81.28	_ R _C032DRC	3.100	78.74	3.200	81.28
_ R _C033SRC	3.200	81.28	3.300	83.82	_R_C033DRC	3.200	81.28	3.300	83.82
_ R _C034SRC	3.300	83.82	3.400	86.36	_ R _C034DRC	3.300	83.82	3.400	86.36
_ R _C035SRC	3.400	86.36	3.500	88.90	_ R _C035DRC	3.400	86.36	3.500	88.90
_ R _C036SRC	3.500	88.90	3.600	91.44	_ R _C036DRC	3.500	88.90	3.600	91.44
_ R _C037SRC	3.600	91.44	3.700	93.98	_ R _C037DRC	3.600	91.44	3.700	93.98
_ R _C038SRC	3.700	93.98	3.800	96.52	_ R _C038DRC	3.700	93.98	3.800	96.52
_ R _C039SRC	3.800	96.52	3.900	99.06	_ R _C039DRC	3.800	96.52	3.900	99.06
_ R _C040SRC	3.900	99.06	4.000	101.60	_ R _C040DRC	3.900	99.06	4.000	101.60

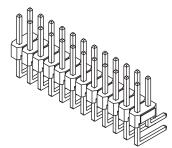
.100" [2.54 mm] Contact Centers, Male Breakaway Headers, **Right Angle/SMT**

SPECIFICATIONS

· 3 Amps current rating

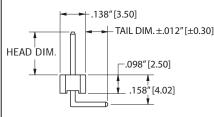
• UL Flammability Rating: 94V-0 Insulator Material: PBT, Nylon, LCP

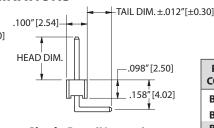
Contact Material: Brass



TERMINATIONS TYPES

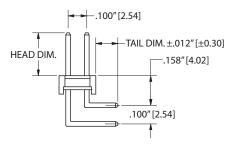
RIGHT ANGLE TERMINATIONS





Single Row (Standard) (EXAMPLE P/N: NRBC012SBAN-RC)

Single Row (Narrow) -M71 Modification Code (EXAMPLE P/N: NRBC012SBAN-M71RC)



Dual Row (Narrow) - M71 Modification Code (EXAMPLE P/N: NRBC012DBAN-M71RC)

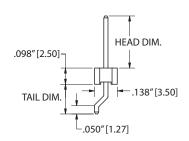
P/N CODE	HEAD	TAIL	-M71 TAIL
BA	.230" [5.84]	.100"[2.54]	.120"[3.05]
BB	.230" [5.84]	.200"[5.08]	.220" [5.59]
ВС	.230" [5.84]	.300"[7.62]	.320"[8.13]
BD	.230" [5.84]	.400"[10.16]	.420"[10.67]
BE	.230" [5.84]	.500"[12.70]	.520"[13.21]
BF*	.230" [5.84]	.600"[15.24]	.620" [15.75]
BG*	.230" [5.84]	.700"[17.78]	.720" [18.29]
ВН	.230" [5.84]	.800"[20.32]	.820" [20.83]
BI	.230" [5.84]	.900"[22.86]	.920"[23.37]
BJ	.230" [5.84]	1.000" [25.40]	1.020" [25.91]
GA	.318"[8.08]	.100" [2.54]	.120"[3.05]
GB	.318"[8.08]	.200" [5.08]	.220" [5.59]
GC*	.318"[8.08]	.300" [7.62]	.320"[8.13]
GD*	.318"[8.08]	.400" [10.16]	.420"[10.67]
GE	.318"[8.08]	.600"[15.24]	.620" [15.75]
GF	.318" [8.08]	.800"[20.32]	.820" [20.83]
DA*	.120"[3.05]	.120"[3.05]	.140"[3.56]

*Consult factory for availability in Dual Readout

SMT TERMINATIONS

Single Row with -M89 Modification Code

(EXAMPLE P/N: NRBC012SBSN-M89RC)

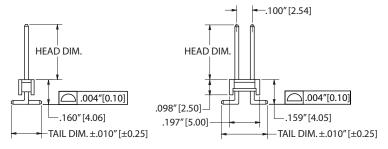


P/N CODE	HEAD	TAIL
BS	.230" [5.84]	.180" [4.57]
GS	.318" [8.08]	.180" [4.57]
zc	.120"[3.05]	.180" [4.57]
ZU	.420"[10.67]	.180" [4.57]

SMT TERMINATIONS

Single or Dual Row with -M30 Modification Code

(EXAMPLE P/N: NRBC012SABC-M30RC) (EXAMPLE P/N: NRBC012DABN-M30RC)



P/N CODE	HEAD	SINGLE ROW TAIL	DUAL ROW TAIL
AB	.230"[5.84]	.320"[8.13]	.420"[10.67]
FB	.318"[8.08]	.300" [7.62]	.400"[10.16]
ZS	.120"[3.05]	.200" [5.08]	.300"[7.62]
ZT	.420"[10.67]	.200" [5.08]	.300"[7.62]

Sullins Headers



.100" [2.54 mm] Contact Centers, Male Breakaway Headers, **Right Angle/SMT**



PART NUMBER OPTIONS

MATERIALS (INSULATOR/CONTACT)

PR = PBT/BRASS

Operating Temperature: -40°C to +105°C

Processing Temperature: Wave/Manual Soldering

NR = NYLON/BRASS

Operating Temperature: -40°C to +105°C

Processing Temperature: 230°C Max. for 60 seconds

(260°C Max. for 10 seconds)

Termination

.000100" Pure Tin, Matte

.000100" Pure Tin, Matte

LR = LCP/BRASS

Operating Temperature: -40°C to +105°C

Processing Temperature: 230°C Max. for 60 seconds

(260°C Max. for 10 seconds) CONTACT FINISH - RoHS Compliant

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

Contact Surface

B = .000010" GoldC = .000030'' Gold

E = Tin Overall

P = Gold Flash Overall

CONTACT CENTERS

C = .100'' [2.54 mm]

NUMBER OF POSITIONS

Contacts Per row, 002 Thru 040

PR B C 002 S BA N-Mxxx RC

-MODIFICATION CODE (Consult Factory)

OMIT FOR STANDARD ('NR' Material Only)

-M30 = SMT ('NR' & 'LR' Material Only), Vertical

-M89 = SMT ('NR' Material Only), Horizontal

-M71 = Right Angle ('PR', 'NR', 'LR' Material), Narrow Body

MOUNTING STYLE

N = No Mounting

C = SMT, Single Row (Standard)

D = SMT, Single Row (Opposite Bend)

TERMINATION TYPE

Right Angle = BA, BB, BC, BD, BE, BH, BI, BJ, GA, GB, GE, GF

(Single Row or Dual Row)

BF, BG, GC, GD, DA (Single Row Only)

SMT with -M89 Modification Code

= BS, GS, ZC, ZU (Single Row Only)

SMT with -M30 Modification Code

= AB, FB, ZS, ZT

READOUT

S = Single

D = Dual

DIMENSIONS Dimensions in [] are in millimeters, all others are in inches.
PIN 1 B±.012[0.30] →
P/N:_R_CSC-M30RC (STANDARD)
P/N: R_C SD-M30RC (OPPOSITE BEND, ONLY APPLICABLE
ON EVEN PIN COUNTS)
.100 [2.54]
B±.012[0.30]
.100 [2.54] ————————————————————————————————————
RIGHT ANGLE TAIL -M71 SHOWN

PART NUMBER		A	В		
PART NOWIDER	in	mm	in	mm	
_ R _C002RC	0.100	2.54	0.200	5.08	
_ R _C003RC	0.200	5.08	0.300	7.62	
_ R _C004RC	0.300	7.62	0.400	10.16	
_ R _C005RC	0.400	10.16	0.500	12.70	
_ R _C006RC	0.500	12.70	0.600	15.24	
_ R _C007RC	0.600	15.24	0.700	17.78	
_ R _C008RC	0.700	17.78	0.800	20.32	
_ R _C009RC	0.800	20.32	0.900	22.86	
_ R _C010RC	0.900	22.86	1.000	25.40	
_ R _C011RC	1.000	25.40	1.100	27.94	
_ R _C012RC	1.100	27.94	1.200	30.48	
_ R _C013RC	1.200	30.48	1.300	33.02	
_ R _C014RC	1.300	33.02	1.400	35.56	
_ R _C015RC	1.400	35.56	1.500	38.10	
_ R _C016RC	1.500	38.10	1.600	40.64	
_ R _C017RC	1.600	40.64	1.700	43.18	
_ R _C018RC	1.700	43.18	1.800	45.72	
_ R _C019RC	1.800	45.72	1.900	48.26	
_ R _C020RC	1.900	48.26	2.000	50.80	
_ R _C021RC	2.000	50.80	2.100	53.34	
_ R _C022RC	2.100	53.34	2.200	55.88	
_ R _C023RC	2.200	55.88	2.300	58.42	
_ R _C024RC	2.300	58.42	2.400	60.96	
_ R _C025RC	2.400	60.96	2.500	63.50	
_ R _C026RC	2.500	63.50	2.600	66.04	
_ R _C027RC	2.600	66.04	2.700	68.58	
_ R _C028 RC	2.700	68.58	2.800	71.12	
_ R _C029RC	2.800	71.12	2.900	73.66	
_ R _C030 RC	2.900	73.66	3.000	76.20	
_ R _C031RC	3.000	76.20	3.100	78.74	
_ R _C032RC	3.100	78.74	3.200	81.28	
_ R _C033RC	3.200	81.28	3.300	83.82	
_ R _C034RC	3.300	83.82	3.400	86.36	
_ R _C035RC	3.400	86.36	3.500	88.90	
_ R _C036RC	3.500	88.90	3.600	91.44	
_ R _C037RC	3.600	91.44	3.700	93.98	
R_C038RC	3.700	93.98	3.800	96.52	
_ R _C039RC	3.800	96.52	3.900	99.06	
_ R _C040RC	3.900	99.06	4.000	101.60	

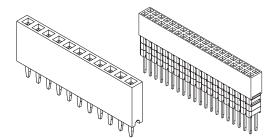
SULLINS

.100" [2.54 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT

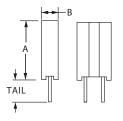
SPECIFICATIONS

· 3 Amps current rating

• UL Flammability Rating: 94V-0 • Insulator Material: PBT, Nylon Contact Material: Phosphor Bronze

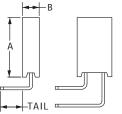


TERMINATION TYPE



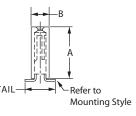
STRAIGHT

	P/N CODE	ROWS	TERMINATION TYPE	Α	В	TAIL	
LED		1	STRAIGHT	.335"[8.50]	.100"[2.54]	.126"[3.20]	
	LFB	2	STRAIGHT	.335"[8.50]	.200"[5.08]	.126"[3.20]	



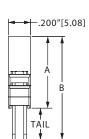
RIGHT ANGLE

P/		ROWS	TERMINATION TYPE	A	В	TAIL
LG	LGB 1 RIG		RIGHT ANGLE	.335"[8.50]	0.100"[2.54]	.124" [3.15]
LJ	LJB 2 RIGH		RIGHT ANGLE	.335"[8.50]	0.200"[5.08]	.124" [3.15]



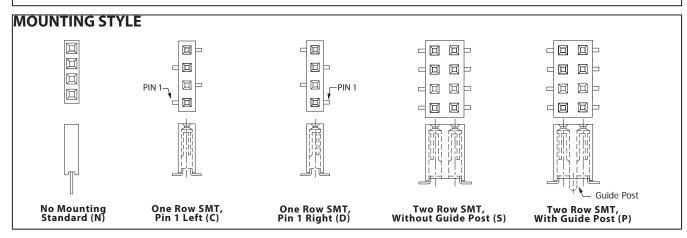
SMT

	P/N CODE	DAWE		ENTRY	Α	В	TAIL
Т	KFX	1	SMT	TOP ENTRY	.280" [7.10]	.098" [2.50]	.169"[4.30]
	KFM	2	SMT	TOP ENTRY	.280" [7.10]	.197" [5.00]	.270"[6.85]



2 ROW STRAIGHT WITH **ELEVATED SPACER**

P/N CODE	ROWS	MODIFI- CATION	# OF SPACERS	A	В	TAIL
	2	M44	1	.435" [11.04]	.725" [18.42]	.291" [7.38]
	2	M45	2	.535" [13.58]	.725" [18.42]	.191" [4.84]
	2	M46	3	.635" [16.12]	.725" [18.42]	.091" [2.30]
LFH	2	M50	1	.435"[11.04]	.525" [13.34]	.091" [2.30]
LFR	2	M51	1	.435" [11.04]	.915" [23.24]	.480"[12.20]
	2	M52	2	.535" [13.58]	.915" [23.24]	.380" [9.65]
	2	M53	3	.635" [16.12]	.914" [23.22]	.280" [7.10]
	2	M54	4	.735" [18.66]	.916" [23.26]	.181" [4.60]



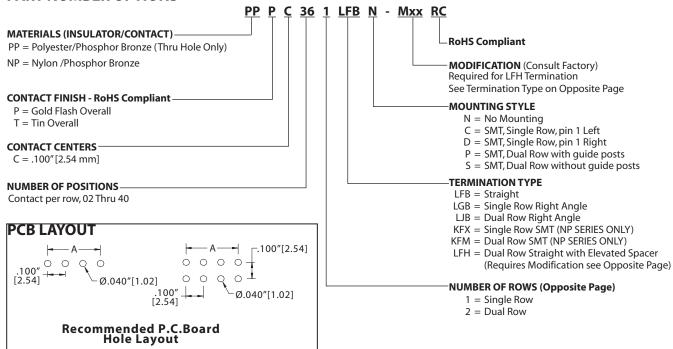
Sullins Headers

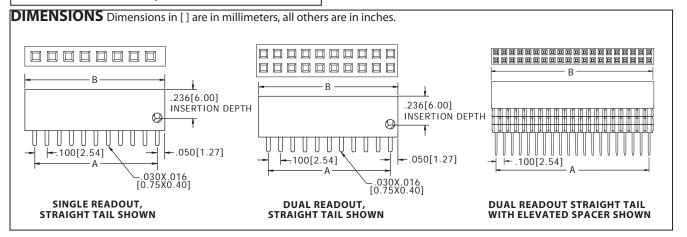


Sullins Headers

.100" [2.54 mm] Contact Centers, Female Headers, Straight/Right Angle/SMT







NUMBER OF		BER OF	Α		В	
POSITIONS	1 Row	2 Row	in	mm	in	mm
02	2	4	.100	2.54	.220	5.58
03	3	6	.200	5.08	.320	8.12
04	4	8	.300	7.62	.420	10.66
05	5	10	.400	10.16	.520	13.20
06	6	12	.500	12.70	.620	15.74
07	7	14	.600	15.24	.720	18.28
08	8	16	.700	17.78	.820	20.82
09	9	18	.800	20.32	.920	23.36
10	10	20	.900	22.86	1.020	25.90
11	11	22	1.000	25.40	1.120	28.44
12	12	24	1.100	27.94	1.220	30.98
13	13	26	1.200	30.48	1.320	33.52
14	14	28	1.300	33.02	1.420	36.06
15	15	30	1.400	35.56	1.520	38.60
16	16	32	1.500	38.10	1.620	41.14
17	17	34	1.600	40.64	1.720	43.68
18	18	36	1.700	43.18	1.820	46.22
19	19	38	1.800	45.72	1.920	48.76
20	20	40	1.900	48.26	2.020	51.30
21	21	42	2.000	50.80	2.120	53.84

NUMBER OF		ER OF	A		E	3
POSITIONS	1 Row	2 Row	in	mm	in	mm
22	22	44	2.100	53.34	2.220	56.38
23	23	46	2.200	55.88	2.320	58.92
24	24	48	2.300	58.42	2.420	61.46
25	25	50	2.400	60.96	2.520	64.00
26	26	52	2.500	63.50	2.620	66.54
27	27	54	2.600	66.04	2.720	69.08
28	28	56	2.700	68.58	2.820	71.62
29	29	58	2.800	71.12	2.920	74.16
30	30	60	2.900	73.66	3.020	76.70
31	31	62	3.000	76.20	3.120	79.24
32	32	64	3.100	78.74	3.220	81.78
33	33	66	3.200	81.28	3.320	84.32
34	34	68	3.300	83.82	3.420	86.86
35	35	70	3.400	86.36	3.520	89.40
36	36	72	3.500	88.90	3.620	91.94
37	37	74	3.600	91.44	3.720	94.48
38	38	76	3.700	93.98	3.820	97.02
39	39	78	3.800	96.52	3.920	99.56
40	40	80	3.900	99.06	4.020	102.10

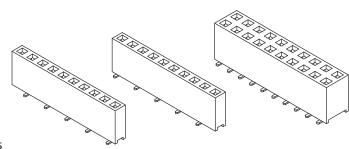


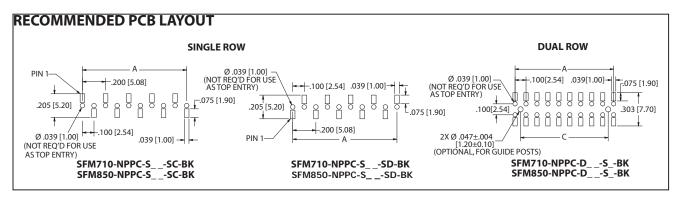
.100" [2.54 mm] Contact Centers, Top/Bottom Entry SMT Female Headers, SFM710/SFM850 Series

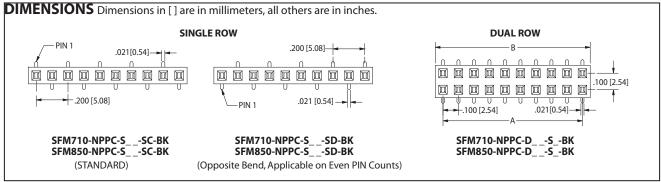
SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-0
- · Contact Resistance: 20 milli Ohms Max.
- · Current Rating: 3 Amps
- · Dielectric With Standing: 1000 VAC
- Insulation Resistance: 5000 Megohms Min.
- Operating Temperature: -40°C to +105°C
- · Processing Temperature: 230°C Max. for 60 seconds

(260°C Max. for 10 seconds)







NUMBER OF

FOR SFM850 SINGLE ROW/DUAL ROW SERIES

NUMBER OF A CONTACTS		В		C (DUAL ROW)		
SINGLE/DUAL	in mm		in	mm	in	mm
02/04*	0.100	2.54	0.216	5.48	N,	/A
03/06	0.200	5.08	0.316	8.02	0.100	2.54
04/08	0.300	7.62	0.416	10.56	0.200	5.08
05/10	0.400	10.16	0.516	13.10	0.300	7.62
06/12	0.500	12.70	0.616	15.64	0.400	10.16
07/14	0.600	15.24	0.716	18.18	0.500	12.70
08/16	0.700	17.78	0.816	20.72	0.600	15.24
09/18	0.800	20.32	0.916	23.26	0.700	17.78
10/20	0.900	22.86	1.016	25.80	0.800	20.32
11/22	1.000	25.40	1.116	28.34	0.900	22.86
12/24	1.100	27.94	1.216	30.88	1.000	25.40
13/26	1.200	30.48	1.316	33.42	1.100	27.94
14/28	1.300	33.02	1.416	35.96	1.200	30.48
15/30	1.400	35.56	1.516	38.50	1.300	33.02
16/32	1.500	38.10	1.616	41.04	1.400	35.56
17/34	1.600	40.64	1.716	43.58	1.500	38.10
18/36	1.700	43.18	1.816	46.12	1.600	40.64
19/38	1.800	45.72	1.916	48.66	1.700	43.18
20/40	1.900	48.26	2.016	51.20	1.800	45.72
21/42	2.000	50.80	2.116	53.74	1.900	48.26

CONTACTS				C (20/1211011)		
SINGLE/DUAL	in	in mm		mm	in	mm
22/44	2.100	53.34	2.216	56.28	2.000	50.80
23/46	2.200	55.88	2.316	58.82	2.100	53.34
24/48	2.300	58.42	2.416	61.36	2.200	55.88
25/50	2.400	60.96	2.516	63.90	2.300	58.42
26/52	2.500	63.50	2.616	66.44	2.400	60.96
27/54	2.600	66.04	2.716	68.98	2.500	63.50
28/56	2.700	68.58	2.816	71.52	2.600	66.04
29/58	2.800	71.12	2.916	74.06	2.700	68.58
30/60	2.900	73.66	3.016	76.60	2.800	71.12
31/62	3.000	76.20	3.116	79.14	2.900	73.66
32/64	3.100	78.74	3.216	81.68	3.000	76.20
33/66	3.200	81.28	3.316	84.22	3.100	78.74
34/68	3.300	83.82	3.416	86.76	3.200	81.28
35/70	3.400	86.36	3.516	89.30	3.300	83.82
36/72	3.500	88.90	3.616	91.84	3.400	86.36
37/74	3.600	91.44	3.716	94.38	3.500	88.90
38/76	3.700	93.98	3.816	96.92	3.600	91.44
39/78	3.800	96.52	3.916	99.46	3.700	93.98
40/80	3.900	99.06	4.016	102.00	3.800	96.52

C (DUAL ROW)

Sullins Headers

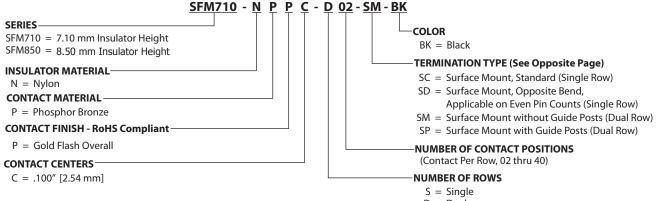
^{*}Not available with guide posts.

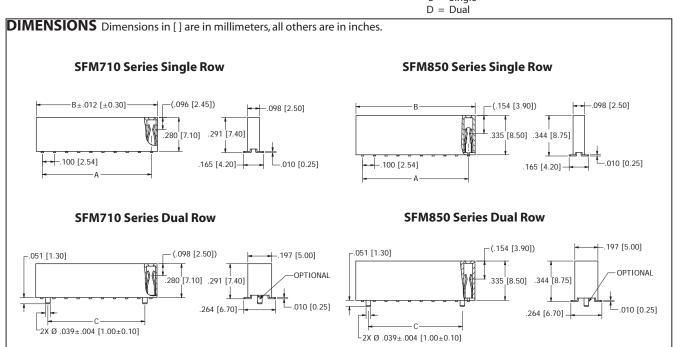


.100" [2.54 mm] Contact Centers, Top/Bottom Entry SMT Female Headers, SFM710/SFM850 Series



PART NUMBER OPTIONS





FOR SFM710 SINGLE ROW/DUAL ROW SERIES

NUMBER OF CONTACTS	I	A	В		C (DUAL ROW)	
SINGLE/DUAL	in mm		in	mm	in	mm
02/04*	0.100	2.54	0.200	5.08	N.	/A
03/06	0.200	5.08	0.300	7.62	0.100	2.54
04/08	0.300	7.62	0.400	10.16	0.200	5.08
05/10	0.400	10.16	0.500	12.70	0.300	7.62
06/12	0.500	12.70	0.600	15.24	0.400	10.16
07/14	0.600	15.24	0.700	17.78	0.500	12.70
08/16	0.700	17.78	0.800	20.32	0.600	15.24
09/18	0.800	20.32	0.900	22.86	0.700	17.78
10/20	0.900	22.86	1.000	25.40	0.800	20.32
11/22	1.000	25.40	1.100	27.94	0.900	22.86
12/24	1.100	27.94	1.200	30.48	1.000	25.40
13/26	1.200	30.48	1.300	33.02	1.100	27.94
14/28	1.300	33.02	1.400	35.56	1.200	30.48
15/30	1.400	35.56	1.500	38.10	1.300	33.02
16/32	1.500	38.10	1.600	40.64	1.400	35.56
17/34	1.600	40.64	1.700	43.18	1.500	38.10
18/36	1.700	43.18	1.800	45.72	1.600	40.64
19/38	1.800	45.72	1.900	48.26	1.700	43.18
20/40	1.900	48.26	2.000	50.80	1.800	45.72
21/42	2.000	50.80	2.100	53.34	1.900	48.26

NUMBER OF CONTACTS	,	4	В		C (DUAL ROW)	
SINGLE/DUAL	in	mm	in	mm	in	mm
22/44	2.100	53.34	2.200	55.88	2.000	50.80
23/46	2.200	55.88	2.300	58.42	2.100	53.34
24/48	2.300	58.42	2.400	60.96	2.200	55.88
25/50	2.400	60.96	2.500	63.50	2.300	58.42
26/52	2.500	63.50	2.600	66.04	2.400	60.96
27/54	2.600	66.04	2.700	68.58	2.500	63.50
28/56	2.700	68.58	2.800	71.12	2.600	66.04
29/58	2.800	71.12	2.900	73.66	2.700	68.58
30/60	2.900	73.66	3.000	76.20	2.800	71.12
31/62	3.000	76.20	3.100	78.74	2.900	73.66
32/64	3.100	78.74	3.200	81.28	3.000	76.20
33/66	3.200	81.28	3.300	83.82	3.100	78.74
34/68	3.300	83.82	3.400	86.36	3.200	81.28
35/70	3.400	86.36	3.500	88.90	3.300	83.82
36/72	3.500	88.90	3.600	91.44	3.400	86.36
37/74	3.600	91.44	3.700	93.98	3.500	88.90
38/76	3.700	93.98	3.800	96.52	3.600	91.44
39/78	3.800	96.52	3.900	99.06	3.700	93.98
40/80	3.900	99.06	4.000	101.60	3.800	96.52

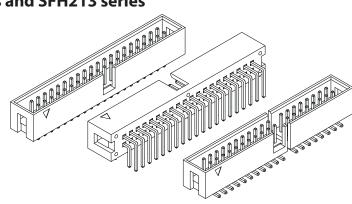
^{*}Not available with guide posts.



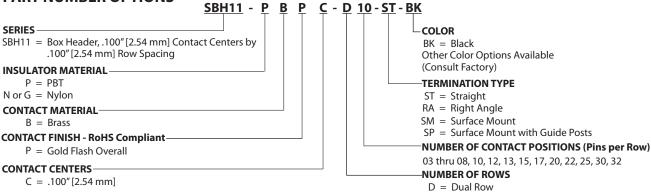
.100" [2.54 mm] Contact Centers, Shrouded (Box) Headers, Straight/Right Angle/SMT - SBH11 Series Mates with SFH11 series, SFH210 series and SFH213 series

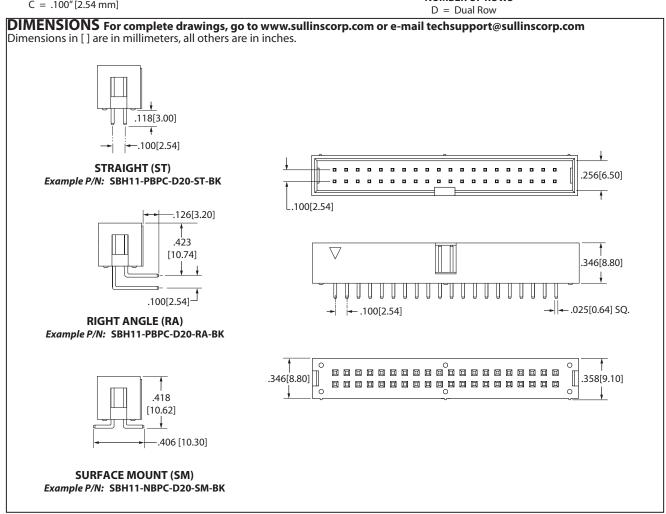
SPECIFICATIONS

- Centered Polarizing Notch
- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds (260°C Max. for 10 seconds)
- UL Flammability Rating: 94V-0
- · Voltage Rating: 20 milli Ohms Max.
- Current Rating: 3 Amps
- Dielectric Withstanding: 1000 VAC
- Insulation Resistance: 5000 Megohms Min.



PART NUMBER OPTIONS





Sullins Headers

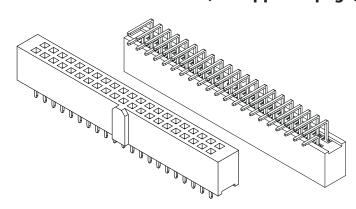




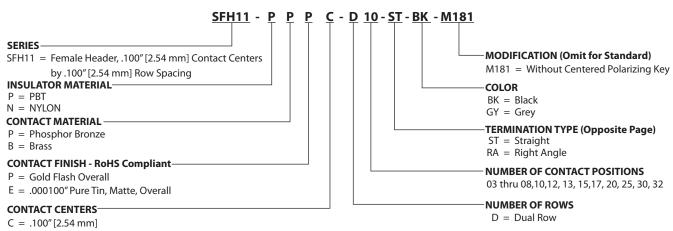
.100" [2.54 mm] Contact Centers, Female Headers, Straight/Right Angle - SFH11 Series Mates with SBH11 series (See opposite page)

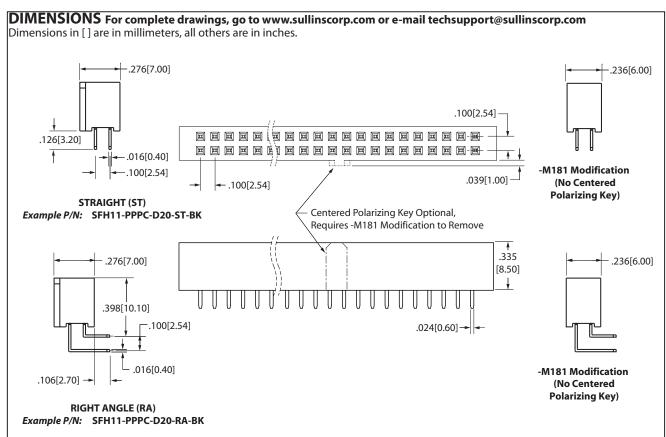
SPECIFICATIONS

- Centered Polarizing Key Optional
- Operating Temperature: -40°C to +105°C
- Processing Temperature: 230°C Max. for 60 seconds (260°C Max. for 10 seconds)
- UL Flammability Rating: 94V-0
- Contact Resistance: 20 milli Ohms Max.
- Current Rating: 3 Amps
- Dielectric Withstanding: 1000 VAC
- Insulation Resistance: 5000 Megohms Min.



PART NUMBER OPTIONS



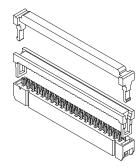




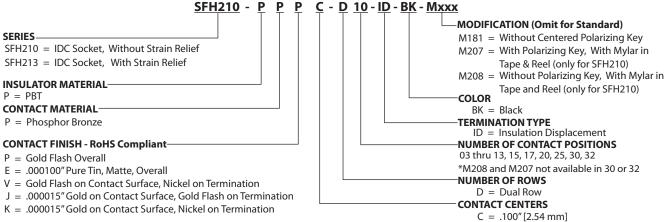
.100" [2.54 mm] Contact Centers, IDC Socket, Insulation Displacement- SFH Series With or Without Strain Relief
Mates with SBH11 series

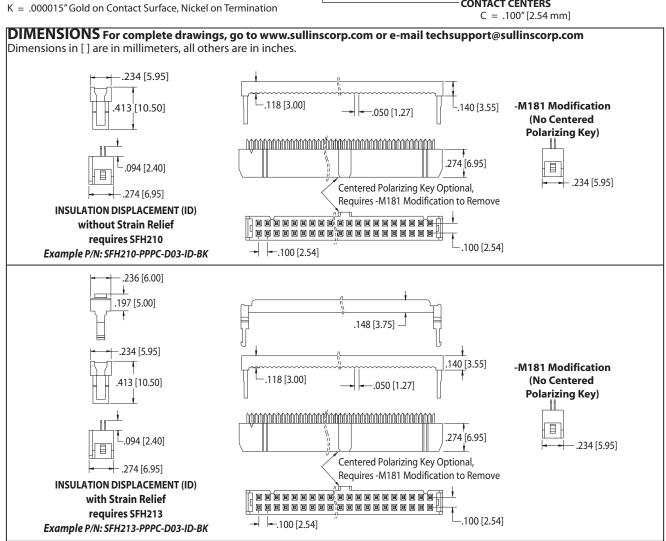
SPECIFICATIONS

- Centered Polarizing Key Optional
- Operating Temperature: -40°C to +105°C
- UL Flammability Rating: 94V-0
- Current Rating: 1 Amp
- Dielectric Withstanding: 500 VAC
- Insulation Resistance: 3,000 Megohms
- For .050" [1.27 mm] Pitch AWG 26-28 Flat Ribbon Cable



PART NUMBER OPTIONS





Sullins Headers

Straight - SIP110 Series

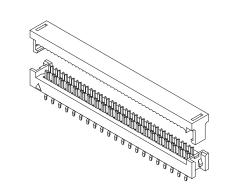


.100" [2.54 mm] Contact Centers, IDC Dip Plug

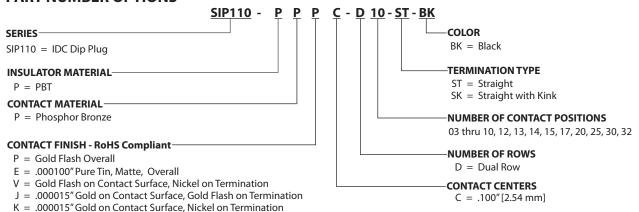


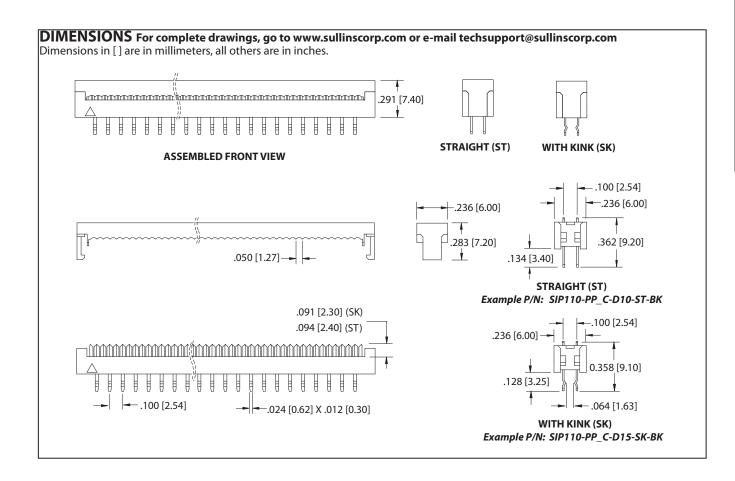
SPECIFICATIONS

- Operating Temperature: -40°C to +105°C
- Current Rating: 1 Amp
- Dielectric Withstanding: 1,000 VAC
- Insulation Resistance: 5,000 Megohms
- For .050 [1.27 mm] Pitch AWG 26-28 Flat Ribbon Cable
- UL Flammability Rating: 94V-0



PART NUMBER OPTIONS







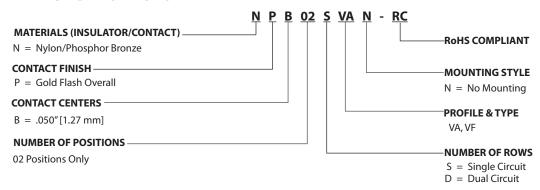


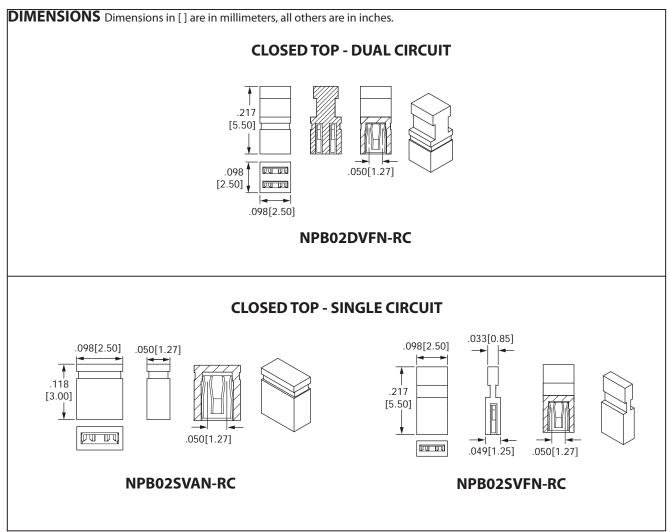
.050" [1.27 mm] Contact Centers, Jumpers Closed Top

SPECIFICATIONS

- · Insulator Material: Nylon
- · Contact Material: Phosphor Bronze
- · Plating: Overall Gold Flash
- 1 Amp current rating
- UL Flammability Rating: 94V-0/94V-2
- · Dual Beam Contacts

PART NUMBER OPTIONS





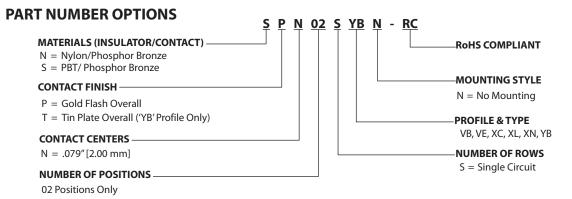


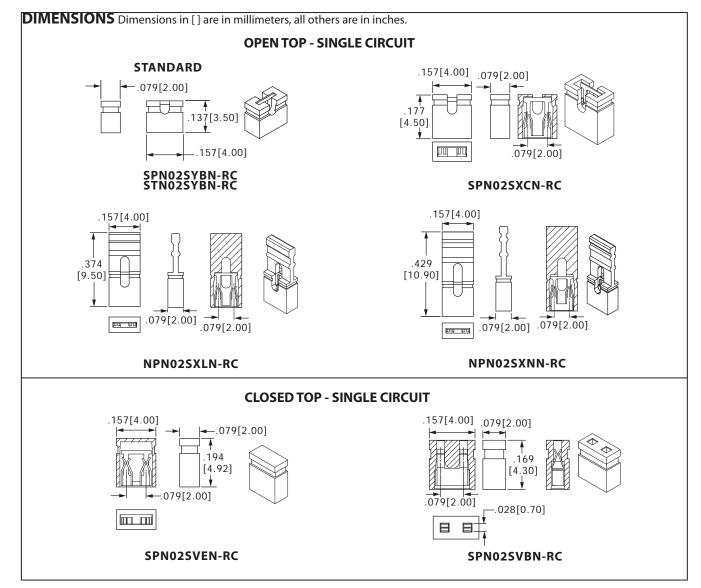
.079" [2.00 mm] Contact Centers, Jumpers Open/ Closed Top



SPECIFICATIONS

- Insulator Material: Nylon/PBT
- · Contact Material: Phosphor Bronze
- · Plating: Gold Flash Overall
- 1, 2 or 3 Amps current rating
- UL Flammability Rating: 94V-0/94V-2
- · Dual Beam Contacts





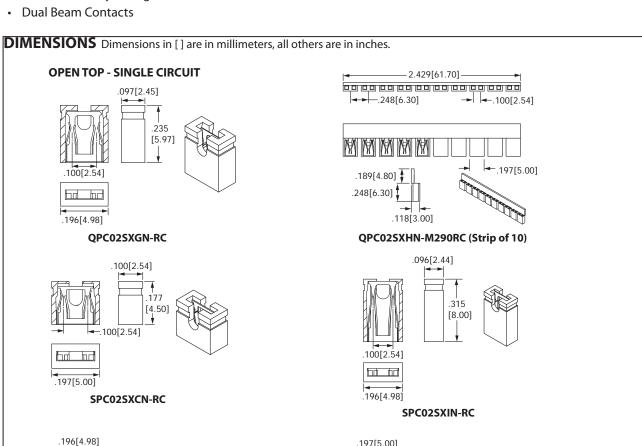
124

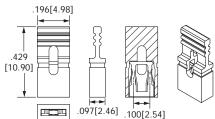


.100"[2.54 mm] Contact Centers, Jumpers Open / Closed Top

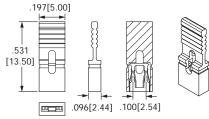
SPECIFICATIONS

- · Insulator Material: Nylon, PBT, PA9T, PPS, PEEK
- Contact Material: Phosphor Bronze, Brass, Beryllium Copper, Beryllium Nickel, Spinodal
- Plating: Gold Flash Overall
- 3 Amps current rating
- UL Flammability Rating: 94V-0/94V-2



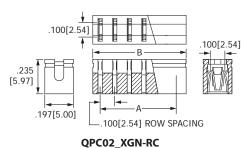


NPC02SXNN-RC **High Temperature Options Available** Example P/N: ADC02SXNN-S328



NPC02SXON-RC

OPEN TOP - CHOICE OF CIRCUITS



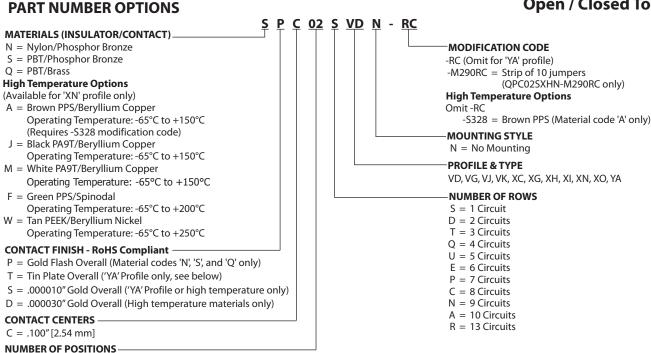
PART NUMBER	CIRCUITS		Α		В
PART NUMBER	CINCUITS	in	mm	in	mm
QPC02DXGN-RC	2	0.100	2.54	0.200	5.08
QPC02TXGN-RC	3	0.200	5.08	0.300	7.62
QPC02QXGN-RC	4	0.300	7.62	0.400	10.16
QPC02UXGN-RC	5	0.400	10.16	0.500	12.70
QPC02EXGN-RC	6	0.500	12.70	0.600	15.24
QPC02PXGN-RC	7	0.600	15.24	0.700	17.78
QPC02CXGN-RC	8	0.700	17.78	0.800	20.32
QPC02NXGN-RC	9	0.800	20.32	0.900	22.86
QPC02AXGN-RC	10	0.900	22.86	1.000	25.40
QPC02RXGN-RC	13	1.200	30.48	1.300	33.02

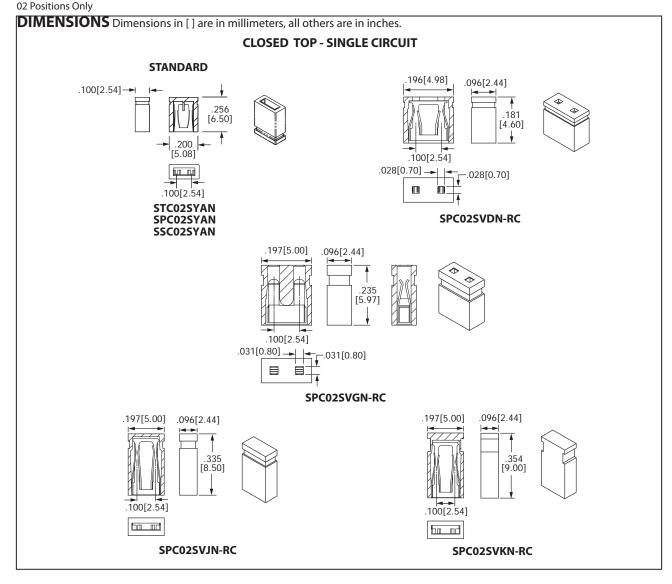


Sullins Jumpers

.100" [2.54 mm] Contact Centers, Jumpers Open / Closed Top



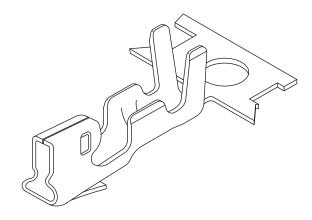




SWT201 Series Crimp Terminal

SPECIFICATIONS

- Material: Phosphor Bronze
- Plating: See Part Number Options
- · Contact Resistance: 20 milli Ohms Max
- · Current Rating: 1 Amp
- Wire Range: AWG #24 #28
- Insulation O.D.: Ø1.20mm ~ Ø1.50mm
- Quantity Per Reel = 10,000 Pieces
- Used in SWH201 Series Housing

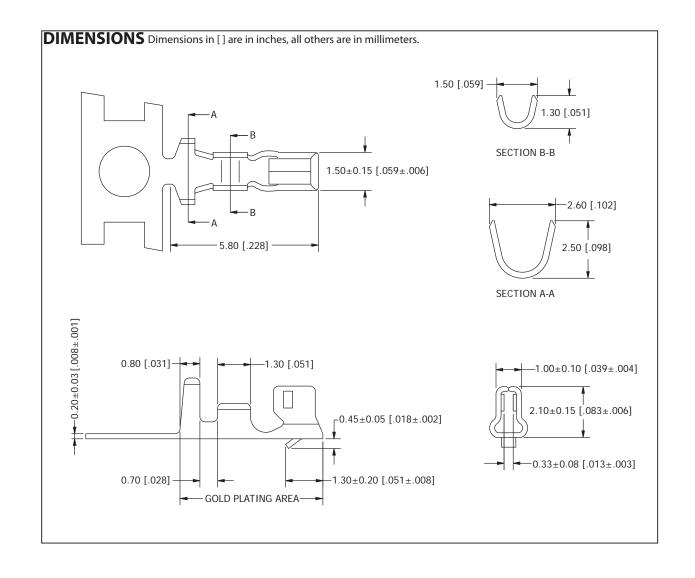


PART NUMBER OPTIONS SWT201-UPTN-S01-UU-UU

-CONTACT FINISH - RoHS Compliant

T = .000015" Min Nickel Underplate, .000040" Min Pure Tin, Bright Overall

P = .000040" Min Nickel Underplate, Gold Flash Overall



Sullins Wafers



SWH201 Series Housing 2.00 mm [.079"] Contact Centers



SPECIFICATIONS

• Insulator Material: Nylon, UL 94V-0 Color: White

• Dielectric Withstanding Voltage: 800 VAC

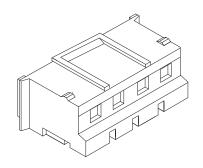
• Insulator Resistance: 1000 Megohms Minimum

• Operating Temperature: -25°C to +85°C

• Voltage Rating: 125 VAC/DC

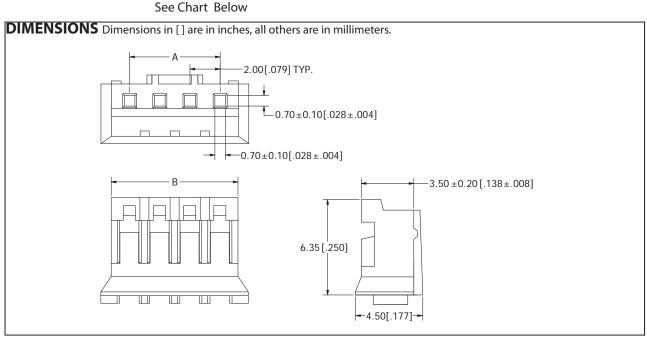
• Suitable for SWT201 Series Terminal

· Mates with SWR201 Series Single Row Wafer



PART NUMBER OPTIONS SWH201-NULN-S16-UU-WH

-NUMBER OF POSITIONS 02 thru 16



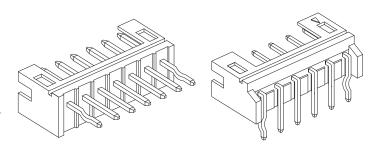
DART NUMBER	POSITIONS/	TIONS/ A		В		
PART NUMBER	CONTACTS	mm	in	mm	in	
SWH201-NULN-S02-UU-WH	02/02	2.00	0.079	4.40	0.173	
SWH201-NULN-S03-UU-WH	03/03	4.00	0.157	6.40	0.252	
SWH201-NULN-S04-UU-WH	04/04	6.00	0.236	8.40	0.331	
SWH201-NULN-S05-UU-WH	05/05	8.00	0.315	10.40	0.409	
SWH201-NULN-S06-UU-WH	06/06	10.00	0.394	12.40	0.488	
SWH201-NULN-S07-UU-WH	07/07	12.00	0.472	14.40	0.567	
SWH201-NULN-S08-UU-WH	08/08	14.00	0.551	16.40	0.646	
SWH201-NULN-S09-UU-WH	09/09	16.00	0.630	18.40	0.724	
SWH201-NULN-S10-UU-WH	10/10	18.00	0.709	20.40	0.803	
SWH201-NULN-S11-UU-WH	11/11	20.00	0.787	22.40	0.882	
SWH201-NULN-S12-UU-WH	12/12	22.00	0.866	24.40	0.961	
SWH201-NULN-S13-UU-WH	13/13	24.00	0.945	26.40	1.039	
SWH201-NULN-S14-UU-WH	14/14	26.00	1.024	28.40	1.118	
SWH201-NULN-S15-UU-WH	15/15	28.00	1.102	30.40	1.197	
SWH201-NULN-S16-UU-WH	16/16	30.00	1.181	32.40	1.276	

SULLINS

SWR201 Series Single Row Wafer 2.0 mm [.079"] Contact Centers, Straight/Right Angle

SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-0 Color: White
- · Contact Material: Brass
- · Contact Resistance: 20 milli Ohms Max
- Contact Plating: .000020" Min. Nickel Underplate,
 Pure Tin, Bright Overall
- · Current Rating: 1 Amp
- Dielectric Withstanding Voltage: 800 VAC
- Insulator Resistance: 1000 Megohms Minimum
- Operating Temperature: -25°C to +85°C
- Voltage Rating: 125 VAC/DC
- Mates with SWH201 Series Single Row Housing

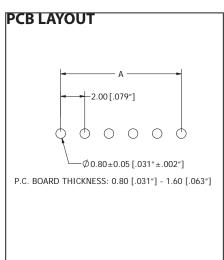


PART NUMBER OPTIONS

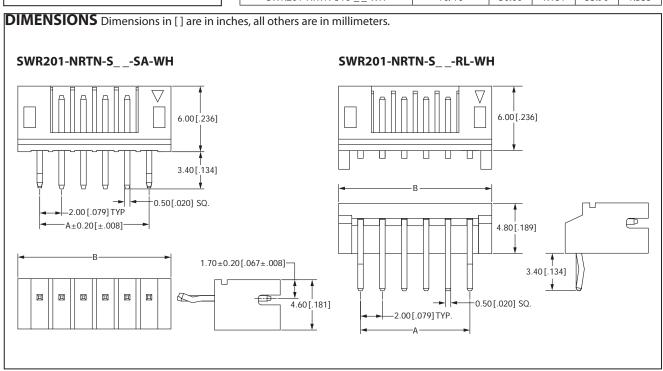
SWR201-NRTN-S16-SA-WH

NUMBER OF POSITIONS — 02 thru 16 See Chart Below **TERMINATION TYPE**SA = End Pins Kink Right

RL = Right Angle With Kinked End Pins



DART MUMPER	POSITIONS/	1	A	В		
PART NUMBER	CONTACTS	mm	in	mm	in	
SWR201-NRTN-S02WH	02/02	2.00	0.079	5.90	0.232	
SWR201-NRTN-S03WH	03/03	4.00	0.157	7.90	0.311	
SWR201-NRTN-S04WH	04/04	6.00	0.236	9.90	0.390	
SWR201-NRTN-S05WH	05/05	8.00	0.315	11.90	0.469	
SWR201-NRTN-S06WH	06/06	10.00	0.394	13.90	0.547	
SWR201-NRTN-S07WH	07/07	12.00	0.472	15.90	0.626	
SWR201-NRTN-S08WH	08/08	14.00	0.551	17.90	0.705	
SWR201-NRTN-S09WH	09/09	16.00	0.630	19.90	0.783	
SWR201-NRTN-S10WH	10/10	18.00	0.709	21.90	0.862	
SWR201-NRTN-S11WH	11/11	20.00	0.787	23.90	0.941	
SWR201-NRTN-S12WH	12/12	22.00	0.866	25.90	1.020	
SWR201-NRTN-S13WH	13/13	24.00	0.945	27.90	1.098	
SWR201-NRTN-S14WH	14/14	26.00	1.024	29.90	1.177	
SWR201-NRTN-S15WH	15/15	28.00	1.102	31.90	1.256	
SWR201-NRTN-S16WH	16/16	30.00	1.181	33.90	1.335	





SWR201 Series Single Row Wafer 2.00 mm [.079"] Contact Centers, SMT

SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-0 Color: Beige
- Contact Material: Brass
- Contact Resistance: 20 milli Ohms Max
- Contact Plating: .000020" Min. Nickel Underplate, Pure Tin, Bright Overall
- · Current Rating: 1 Amp

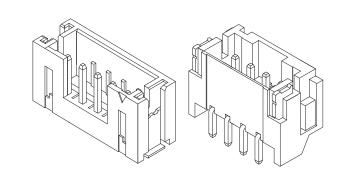
PCB LAYOUT

1.00[.039

3.40 [.134"]

2.00 [.079"]

- Dielectric Withstanding Voltage: 800 VAC
- Insulator Resistance: 1000 Megohms Minimum
- Operating Temperature: -25°C to +85°C
- Voltage Rating: 125 VAC/DC
- Mates with SWH201 Series Single Row Housing



PART NUMBER OPTIONS SWR201-NRTN-S16-SM-BG

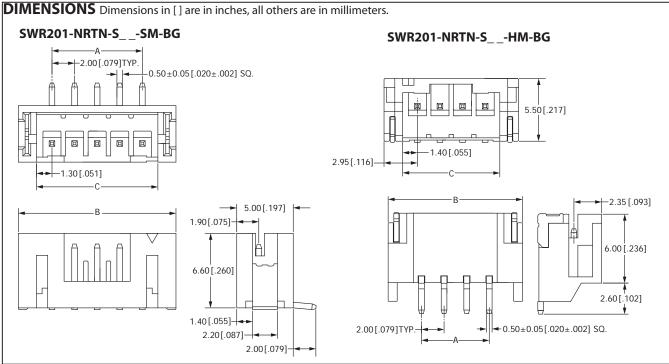
NUMBER OF POSITIONS 02 thru 16 See Chart Below

TERMINATION TYPE SM = Surface Mount

HM = Horizontal Surface Mount

SWR201-NRTN-SSM-BG	
A — 1.10[.043"]	
1.60[.063*]	SWI
3.00[.118*]	SWI
EDGE OF WAFER COMPONENT 1.00 [.039"]	SWI
	SW
SWR201-NRTN-SHM-BG	SWI
A — A 1.60[.063"]	SW
2.00[.079"] 1.00[.039"]	SW
	SW
3.50[,138*]	SW
)°]	SWI
	SWI
4-1	SWI
	SW
, -	SW
SIONE DE LE LET LE LE	1 .1

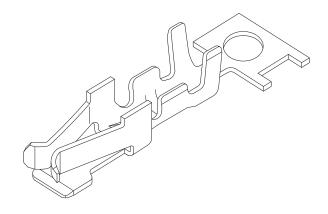
PART NUMBER	POSITIONS/	NS/ A		В		C (SM)		C (HM)	
PART NOWIDER	CONTACTS	mm	in	mm	in	mm	in	mm	in
SWR201-NRTN-S02BG	02/02	2.00	0.079	8.00	0.315	4.60	0.181	4.80	0.189
SWR201-NRTN-S03BG	03/03	4.00	0.157	10.00	0.394	6.60	0.260	6.80	0.268
SWR201-NRTN-S04BG	04/04	6.00	0.236	12.00	0.472	8.60	0.339	8.80	0.346
SWR201-NRTN-S05BG	05/05	8.00	0.315	14.00	0.551	10.60	0.417	10.80	0.425
SWR201-NRTN-S06BG	06/06	10.00	0.394	16.00	0.630	12.60	0.496	12.80	0.504
SWR201-NRTN-S07BG	07/07	12.00	0.472	18.00	0.709	14.60	0.575	14.80	0.583
SWR201-NRTN-S08BG	08/08	14.00	0.551	20.00	0.787	16.60	0.654	16.80	0.661
SWR201-NRTN-S09BG	09/09	16.00	0.630	22.00	0.866	18.60	0.732	18.80	0.740
SWR201-NRTN-S10BG	10/10	18.00	0.709	24.00	0.945	20.60	0.811	20.80	0.819
SWR201-NRTN-S11BG	11/11	20.00	0.787	26.00	1.024	22.60	0.890	22.80	0.898
SWR201-NRTN-S12BG	12/12	22.00	0.866	28.00	1.102	24.60	0.969	24.80	0.976
SWR201-NRTN-S13BG	13/13	24.00	0.945	30.00	1.181	26.60	1.047	26.80	1.055
SWR201-NRTN-S14BG	14/14	26.00	1.024	32.00	1.260	28.60	1.126	28.80	1.134
SWR201-NRTN-S15BG	15/15	28.00	1.102	34.00	1.339	30.60	1.205	30.80	1.213
SWR201-NRTN-S16BG	16/16	30.00	1.181	36.00	1.417	32.60	1.283	32.80	1.291



SWT204 Series Crimp Terminal

SPECIFICATIONS

- Material: Phosphor Bronze
- Plating: See Part Number Options
- · Contact Resistance: 10 milli Ohms Max
- · Current Rating: 3 Amps
- Wire Range: AWG #22 #26
- Insulation O.D.: Ø1.35mm ~ Ø1.70mm
- Quantity Per Reel = 10,000 Pieces
- · Used In SWH204 Series Housing

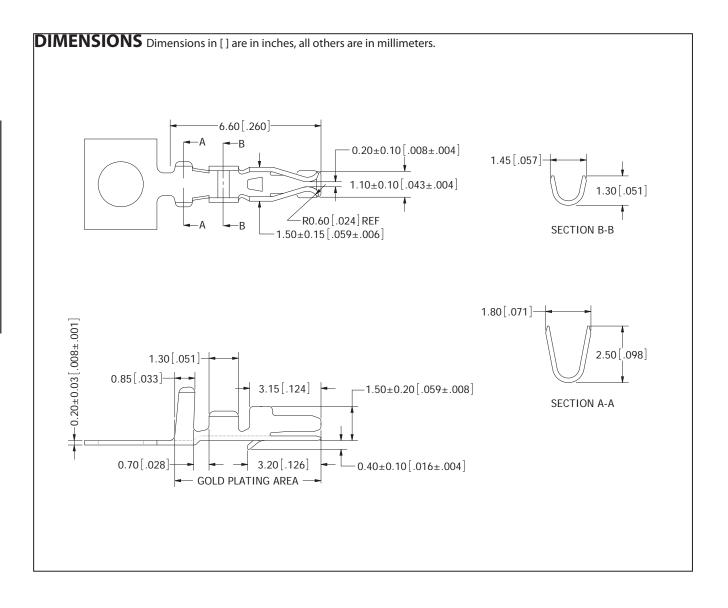


PART NUMBER OPTIONS SWT204-UPTN-S01-UU-UU

CONTACT FINISH - RoHS Compliant

T = .000015" Min Nickel Underplate, .000040" Min Pure Tin, Bright Overall

P = .000040" Min Nickel Underplate, Gold Flash Overall



Sullins Wafers



SWH204 Series Housing 2.00 mm [.079"] Contact Centers



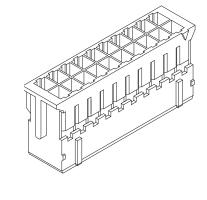
SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-0 Color: White
- Dielectric Withstanding Voltage: 800 VAC
- Insulator Resistance: 1000 Megohms Minimum
- Operating Temperature: -25°C to +85°C
- Voltage Rating: 50 VAC/DC
- Suitable for SWT204 Series Terminal
- · Mates with SWR204 Series Dual Row Wafer

PART NUMBER OPTIONS SWH204-NULN-D16-UU-WH



02 thru 17 & 20 See Chart Below



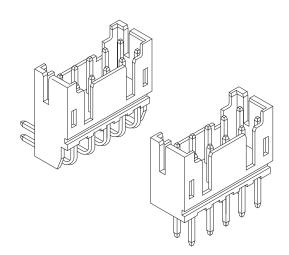
See Chart Below
DIMENSIONS Dimensions in [] are in inches, all others are in millimeters.
2.00 [.079] TYP. 2.00 [.079] TYP. 2.00 [.079] 5.00 [.197]
7.30[.287]

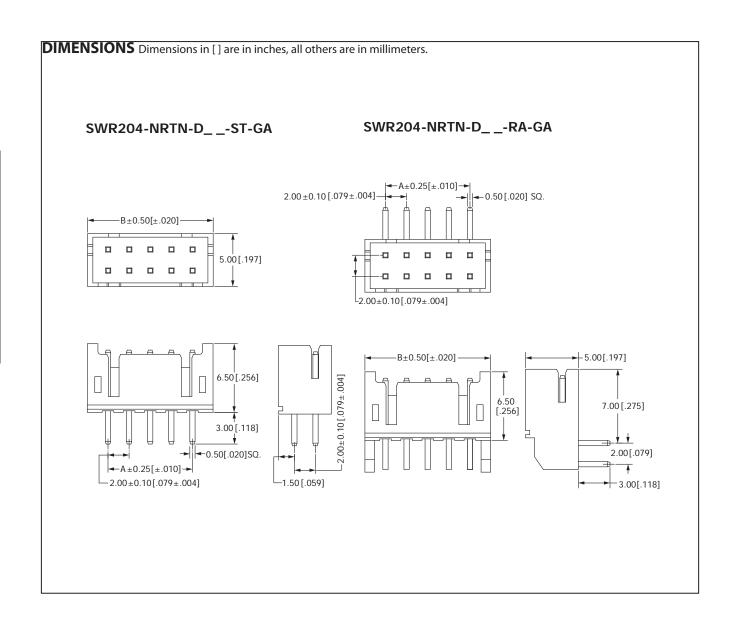
PART NUMBER	POSITIONS/ A				
TAIN NOMES	CONTACTS	mm	in	mm	in
SWH204-NULN-D02-UU-WH	02/04	2.00	0.079	5.90	0.232
SWH204-NULN-D03-UU-WH	03/06	4.00	0.157	7.90	0.311
SWH204-NULN-D04-UU-WH	04/08	6.00	0.236	9.90	0.390
SWH204-NULN-D05-UU-WH	05/10	8.00	0.315	11.90	0.469
SWH204-NULN-D06-UU-WH	06/12	10.00	0.394	13.90	0.547
SWH204-NULN-D07-UU-WH	07/14	12.00	0.472	15.90	0.626
SWH204-NULN-D08-UU-WH	08/16	14.00	0.551	17.90	0.705
SWH204-NULN-D09-UU-WH	09/18	16.00	0.630	19.90	0.783
SWH204-NULN-D10-UU-WH	10/20	18.00	0.709	21.90	0.862
SWH204-NULN-D11-UU-WH	11/22	20.00	0.787	23.90	0.941
SWH204-NULN-D12-UU-WH	12/24	22.00	0.866	25.90	1.020
SWH204-NULN-D13-UU-WH	13/26	24.00	0.945	27.90	1.098
SWH204-NULN-D14-UU-WH	14/28	26.00	1.024	29.90	1.177
SWH204-NULN-D15-UU-WH	15/30	28.00	1.102	31.90	1.256
SWH204-NULN-D16-UU-WH	16/32	30.00	1.181	33.90	1.335
SWH204-NULN-D17-UU-WH	17/34	32.00	1.260	35.90	1.413
SWH204-NULN-D20-UU-WH	20/40	38.00	1.496	41.90	1.650

SWR204 Series Dual Row Wafer 2.0 mm [.079"] Contact Centers, Straight/Right Angle

SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-0 Color: Natural
- · Contact Material: Brass
- Contact Resistance: 10 milli Ohms Max
- Contact Plating: .000020" Min. Nickel Underplate,
 Pure Tin, Bright Overall
- · Current Rating: 3 Amps
- · Dielectric Withstanding Voltage: 800 VAC
- Insulator Resistance: 1000 Megohms Minimum
- Operating Temperature: -25°C to +85°C
- Voltage Rating: 50 VAC/DC
- Mates with SWH204 Series Dual Row Housing



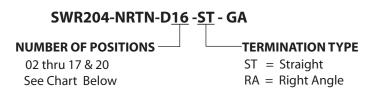


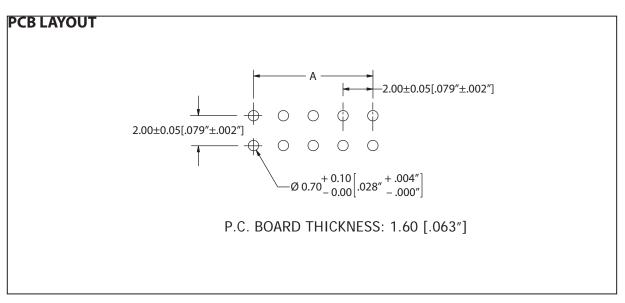


SWR204 Series Dual Row Wafer 2.0 mm [.079"] Contact Centers, Straight/Right Angle



PART NUMBER OPTIONS





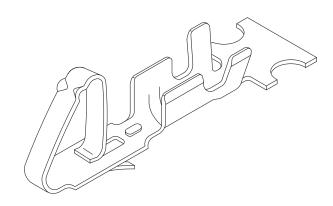
PART NUMBER	POSITIONS/	1	1	В		
PART NUMBER	CONTACTS	mm	in	mm	in	
SWR204-NRTN-D02GA	02/04	2.00	0.079	5.90	0.232	
SWR204-NRTN-D03GA	03/06	4.00	0.157	7.90	0.311	
SWR204-NRTN-D04GA	04/08	6.00	0.236	9.90	0.390	
SWR204-NRTN-D05GA	05/10	8.00	0.315	11.90	0.469	
SWR204-NRTN-D06GA	06/12	10.00	0.394	13.90	0.547	
SWR204-NRTN-D07GA	07/14	12.00	0.472	15.90	0.626	
SWR204-NRTN-D08GA	08/16	14.00	0.551	17.90	0.705	
SWR204-NRTN-D09GA	09/18	16.00	0.630	19.90	0.783	
SWR204-NRTN-D10GA	10/20	18.00	0.709	21.90	0.862	
SWR204-NRTN-D11GA	11/22	20.00	0.787	23.90	0.941	
SWR204-NRTN-D12GA	12/24	22.00	0.866	25.90	1.020	
SWR204-NRTN-D13GA	13/26	24.00	0.945	27.90	1.098	
SWR204-NRTN-D14GA	14/28	26.00	1.024	29.90	1.177	
SWR204-NRTN-D15GA	15/30	28.00	1.102	31.90	1.256	
SWR204-NRTN-D16GA	16/32	30.00	1.181	33.90	1.335	
SWR204-NRTN-D17GA	17/34	32.00	1.260	35.90	1.413	
SWR204-NRTN-D20GA	20/40	38.00	1.496	41.90	1.650	



SWT25X Series Crimp Terminal

SPECIFICATIONS

- Material: See Part Number Options
- Plating: See Part Number Options
- · Contact Resistance: 20 milli Ohms Max
- · Current Rating: 2.5 Amps
- Wire Range: AWG #20 #26
- Insulation O.D.: Ø1.35 mm ~ Ø1.90 mm
- Quantity Per Reel = 10,000 Pieces
- Used In SWH25X Series Housing



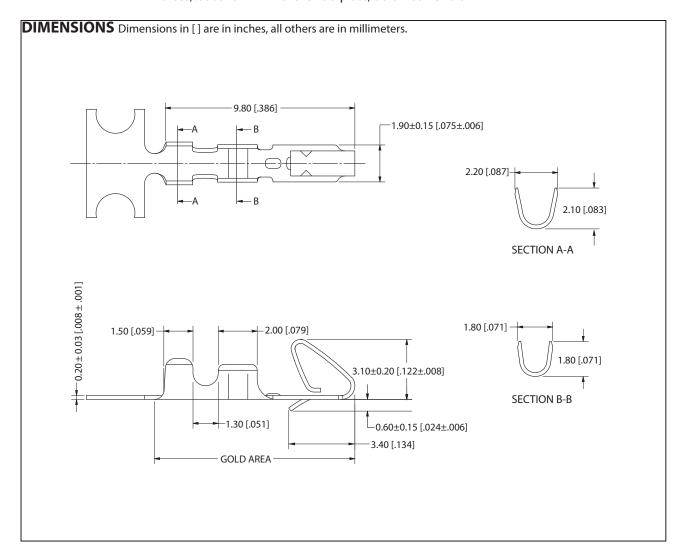
PART NUMBER OPTIONS SWT25X-URTC-S01-UU-UU

-MATERIAL & PLATING

RT = Brass, .000015" Min Nickel Underplate, .000040" Min Pure Tin, Bright Overall

PT = Phosphor Bronze, .000015" Min Nickel Underplate, .000040" Min Pure Tin, Bright Overall

RP = Brass, .000040" Min Nickel Underplate, Gold Flash Overall





SWH25X Series Housing 2.54 mm [.100"] Contact Centers

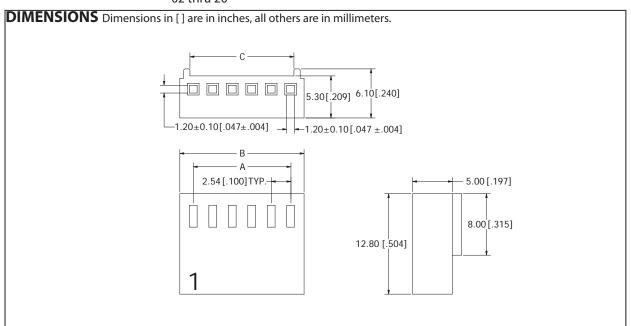
SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-2 Color: Beige
- Dielectric Withstanding Voltage: 1000 VAC
- Insulator Resistance: 1000 Megohms Minimum
- Operating Temperature: -25°C to +85°C
- Voltage Rating: 250 VAC/DC
- Suitable for SWT25X Series Terminal
- Mates with SWR25X Series Single Row Wafer

PART NUMBER OPTIONS SWH25X-NULC-S16-UU-BA

-NUMBER OF POSITIONS

02 thru 20



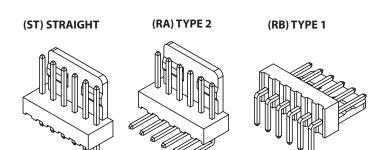
DA DE MUMADED	POSITIONS/	ONS/ A			В		С
PART NUMBER	CONTACTS	mm	in	mm	in	mm	in
SWH25X-NULC-S02-UU-BA	02/02	2.54	0.100	5.79	0.228	3.07	0.121
SWH25X-NULC-S03-UU-BA	03/03	5.08	0.200	8.33	0.328	5.61	0.221
SWH25X-NULC-S04-UU-BA	04/04	7.62	0.300	10.87	0.428	8.15	0.321
SWH25X-NULC-S05-UU-BA	05/05	10.16	0.400	13.41	0.528	10.69	0.421
SWH25X-NULC-S06-UU-BA	06/06	12.70	0.500	15.95	0.628	13.23	0.521
SWH25X-NULC-S07-UU-BA	07/07	15.24	0.600	18.49	0.728	15.77	0.621
SWH25X-NULC-S08-UU-BA	08/08	17.78	0.700	21.03	0.828	18.31	0.721
SWH25X-NULC-S09-UU-BA	09/09	20.32	0.800	23.57	0.928	20.85	0.821
SWH25X-NULC-S10-UU-BA	10/10	22.86	0.900	26.11	1.028	23.39	0.921
SWH25X-NULC-S11-UU-BA	11/11	25.40	1.000	28.65	1.128	25.93	1.021
SWH25X-NULC-S12-UU-BA	12/12	27.94	1.100	31.19	1.228	28.47	1.121
SWH25X-NULC-S13-UU-BA	13/13	30.48	1.200	33.73	1.328	31.01	1.221
SWH25X-NULC-S14-UU-BA	14/14	33.02	1.300	36.27	1.428	33.55	1.321
SWH25X-NULC-S15-UU-BA	15/15	35.56	1.400	38.81	1.528	36.09	1.421
SWH25X-NULC-S16-UU-BA	16/16	38.10	1.500	41.35	1.628	38.63	1.521
SWH25X-NULC-S17-UU-BA	17/17	40.64	1.600	43.89	1.728	41.17	1.621
SWH25X-NULC-S18-UU-BA	18/18	43.18	1.700	46.43	1.828	43.71	1.721
SWH25X-NULC-S19-UU-BA	19/19	45.72	1.800	48.97	1.928	46.25	1.821
SWH25X-NULC-S20-UU-BA	20/20	48.26	1.900	51.51	2.028	48.79	1.921

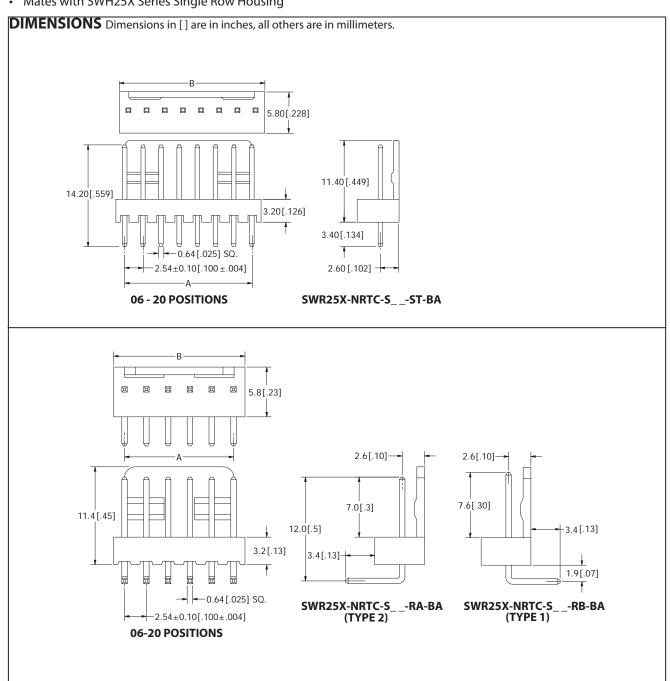


SWR25X Series Single Row Wafer 2.54 mm [.100"] Contact Centers, Straight/Right Angle

SPECIFICATIONS

- Insulator Material: Nylon, UL 94V-2, Color: Beige
- Contact Material: Brass
- Contact Resistance: 20 milli Ohms Max
- Contact Plating: .000020" Min. Nickel Underplate, Pure Tin, Bright Overall
- Current Rating: 2.5 Amps
- Dielectric Withstanding Voltage: 1000 VAC
- Insulator Resistance: 1000 Megohms Minimum
- Operating Temperature: -25°C to +85°C
- Voltage Rating: 250 VAC/DC
- Mates with SWH25X Series Single Row Housing







SWR25X Series Single Row Wafer 2.54 mm [.100"] Contact Centers, Straight/Right Angle



PART NUMBER OPTIONS

SWR25X-NRTC-S<u>16</u> -<u>**ST**</u> - **BA**

NUMBER OF POSITIONS -

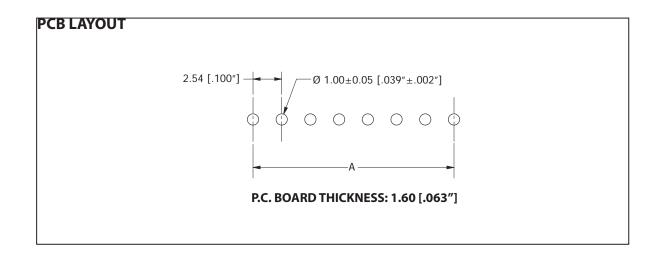
-TERMINATION TYPE

02 thru 20

ST = Straight

See Chart Below

RA = Right Angle (Type 2) RB = Right Angle (Type 1)



DART MUMPER	POSITIONS/		4	В		
PART NUMBER	CONTACTS	mm	in	mm	in	
SWR25X-NRTC-S02BA	02/02	2.54	0.100	5.12	0.202	
SWR25X-NRTC-S03BA	03/03	5.08	0.200	7.66	0.302	
SWR25X-NRTC-S04BA	04/04	7.62	0.300	10.20	0.402	
SWR25X-NRTC-S05BA	05/05	10.16	0.400	12.74	0.502	
SWR25X-NRTC-S06BA	06/06	12.70	0.500	15.30	0.602	
SWR25X-NRTC-S07BA	07/07	15.24	0.600	17.94	0.706	
SWR25X-NRTC-S08BA	08/08	17.78	0.700	20.48	0.806	
SWR25X-NRTC-S09BA	09/09	20.32	0.800	23.02	0.906	
SWR25X-NRTC-S10BA	10/10	22.86	0.900	25.58	1.007	
SWR25X-NRTC-S11BA	11/11	25.40	1.000	28.12	1.107	
SWR25X-NRTC-S12BA	12/12	27.94	1.100	30.68	1.208	
SWR25X-NRTC-S13BA	13/13	30.48	1.200	33.10	1.303	
SWR25X-NRTC-S14BA	14/14	33.02	1.300	35.80	1.409	
SWR25X-NRTC-S15BA	15/15	35.56	1.400	38.34	1.509	
SWR25X-NRTC-S16BA	16/16	38.10	1.500	40.94	1.612	
SWR25X-NRTC-S17BA	17/17	40.64	1.600	43.30	1.705	
SWR25X-NRTC-S18BA	18/18	43.18	1.700	45.90	1.807	
SWR25X-NRTC-S19BA	19/19	45.72	1.800	48.56	1.912	
SWR25X-NRTC-S20BA	20/20	48.26	1.900	50.80	2.000	



SULLINS

GENERAL SPECIFICATIONS

RoHS COMPLIANT



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

MATERIALS

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

Insulator:			Operating Temperature	Processing Temperature
Standard	PBT, Valox*	Glass filled Thermoplastic Polyester	-65°C to +130°C	Wave only
Special	PPS, Ryton*	Glass/Mineral filled Polyphenylene Sulfide, Green	-65°C to +220°C	260°C Max. / 20 Seconds
Special	PPS, Ryton*	Glass filled Polyphenylene Sulfide, Brown	-65°C to +200°C	260°C Max. / 20 Seconds
Special	PA9T	High Temperature Polyamide	-65°C to +150°C	260°C Max. / 20 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

Plating:

Plating is Lead Free with Nickel Underplate, offered in Gold (Selective or Overall) and Pure Tin Overall.

UL/CUL File Number: E64287

CAGE CODE: 31223 ECCN: EAR99

INTERNATIONAL HARMONIZED CODE: 8536.69.4040

MECHANICAL

Board Insertion Force: 16 oz Maximum per contact pair using .062" [1.57 mm] thick steel test blade. **Board Withdrawal Force:** 1 oz Minimum per contact pair using .062" [1.57 mm] thick steel test blade.

Special Insertion/Withdrawal forces available upon request.

ELECTRICAL

Insulation Resistance: 5,000 Megohms

 Contact Centers:
 .039" [1 mm]
 .050" [1.27 mm]
 .100" [2.54 mm]
 .125" [3.18 mm]
 .150" [3.81 mm]
 .156" [3.96 mm]

 Operating Voltage:
 225 VAC
 300 VAC
 700 VAC
 750 VAC
 850 VAC
 950 VAC

 DWV:
 675 VAC
 900 VAC
 2100 VAC
 2250 VAC
 2550 VAC
 2850 VAC

Current Rating: 1 to 5 Amp per contact

Contact Resistance: 30 milli Ohms maximum at rated current

Registered Trademarks

Sabic Innovative Plastics: Valox Phillips 66: Ryton RTP Compounder: PEEK Sullins Electronics: Sullins Gardner-Denver Co.: Wire Wrap Ametek: Spinodal Underwriters Labs: UL Sullins Electronics: Zero Lead Time

^{*} Or equivalent.

^{**} Consult factory for special soldering guidelines.



PART NUMBER OPTIONS



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)

*Tin Requires 'K' Modification Code

Use 'E' code for Economy Eyelet Only See Modification codes for alternate plating

INSULATOR MATERIAL-

All Materials are U.L. Approved 94V-0

- 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'' [2.54 mm]

125 = .125'' [3.18 mm]

150 = .150" [3.84 mm]

156 = .156'' [3.96 mm]

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, .156" Pitch only .431" Insulator Height, Card Extender
- R = .025'' 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 .250" Flush Ears, .610" Insulator
- 2 = #4-40 Threaded Insert .245" Ears, .431" Insulator

- <u>0</u> <u>100</u> - <u>22</u> - <u>D</u> <u>W</u> - 5 xxx

.250" Flush Ears, .610" Insulator 3 = Floating Bobbin

.220" Ears not Including Bobbin (Flush Ears on .610" Insulator)

- 4 = No Mounting EarsAll Connectors
- 5 =Raised with .125" **Clearance Holes**

Wire Wrap/Thru Hole, Only available in .610" Insulator

6 = Raised with #4-40 Threaded Insert

> Wire Wrap/Thru Hole, Only available in .610" Insulator

- 8 = .125" Side Holes (Cross Drilled)
- 9 = One Ear, .125" Clearance Hole .431" Insulator, Dip Solder & Eyelet
- 10 = One Ear, #4-40 Threaded Insert .431" Insulator, Dip Solder & Eyelet
- 11 = .142" Mounting Holes .431" Insulator, Dip Solder, Eyelet .610" Insulator , .025" Sq & Round
- 12 = .128" Clearance Holes .431" Insulator, Dip Solder & Eyelet .610" Insulator, .025" Sq & Round
- 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, Dip Solder & Eyelet .610" Insulator, .025" Sq & Round
- 15 = Flush Ears, .125" Clearance Holes .190" Ears, No Pad .610" Insulator, .025" Sq & Round
- 16 = Flush .250" Ears to top of the Card Entry Side of the Connector,

.610" Insulator, .025" Sq & Round 18 = Flush Ears, .125" Side Holes

- (Cross Drilled) 19 \pm .152" Clearance Holes
- .610" Insulator, .025" Sq & Round 58 =Raised Ears, .125" Side Holes
- (Cross Drilled) 81 \equiv Flush Ears, .125" Side Holes .250" Ears with Pad,
- .610" Insulator, .025" Sq & Round 86 \equiv Side Holes with #4-40 Threaded Insert .250" Ears with Pad, .610" Insulator, .025" Sq & Round

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 Card slot and Mounting Hole Centers for 22/44, All .156" (Consult Factory)
- D = .000050" Gold Plating -(Consult Factory)
- E9 \pm .200" Row Spacing on .156" **Contact Centers**
- F = 6.802'' Card slot for 43/86 .156" Eyelet & Wire Wrap Only
- F9 = 6.802" Card slot & .200" Row Spacing for 43/86 Dip Solder Only
- G = .000030'' Gold Plating on Contact Surface; .000010" Gold Overall
- 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 = Alternate Contact ID (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.

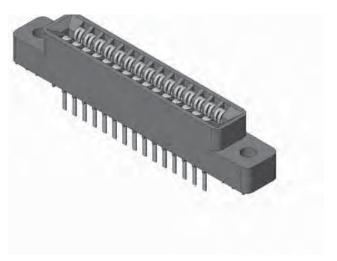


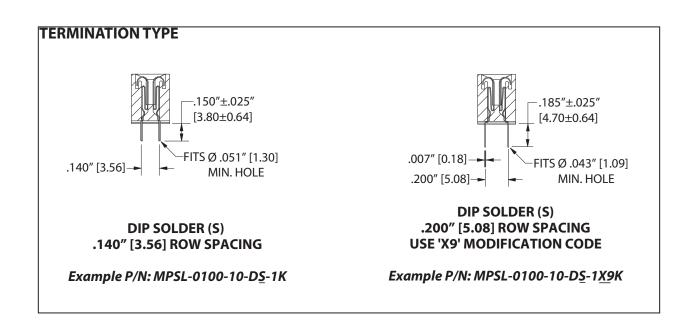


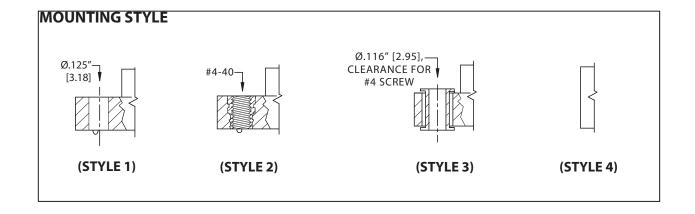
.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder

SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See Opposite Page
- Row Spacing Available in .140" [3.56 mm] or .200" [5.08 mm] (Use Modification Code 'X9' for .200" [5.08])
- P/N 04-0003-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory



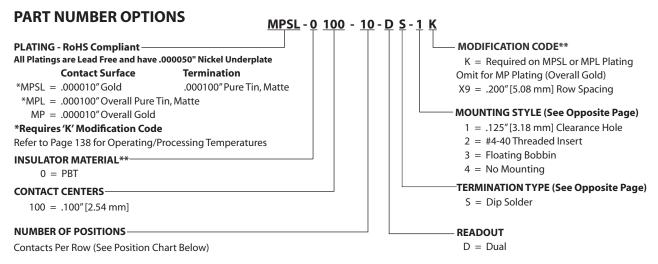




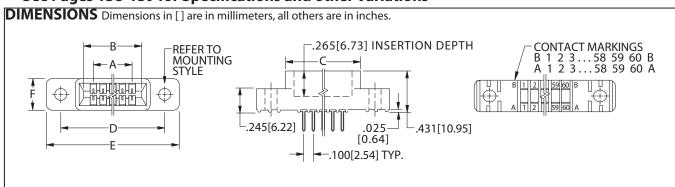


.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder





** See Pages 138-139 for Specifications and other Variations



POSITIONS/	INCHES					MILLIMETERS						
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38
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	0.330	40.64	45.72	50.17	57.79	65.41	8.38
18/36	1.700	1.900	2.075	2.375	2.675	0.550	43.18	48.26	52.71	60.33	67.95	8.36
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	
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		86.36	91.44	95.89	103.51	111.13	
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	0.400	109.22	114.30	118.75	126.37	133.99	10.16
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	
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	

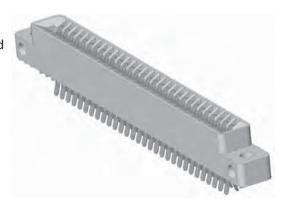


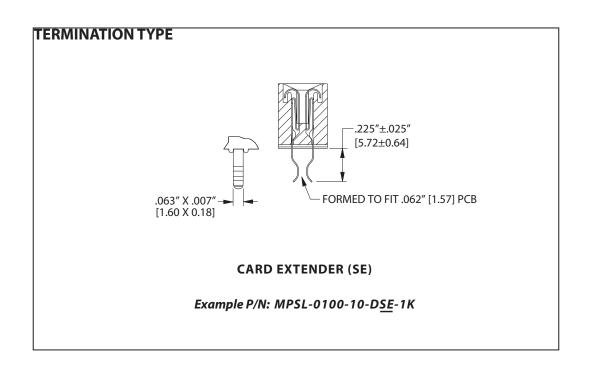


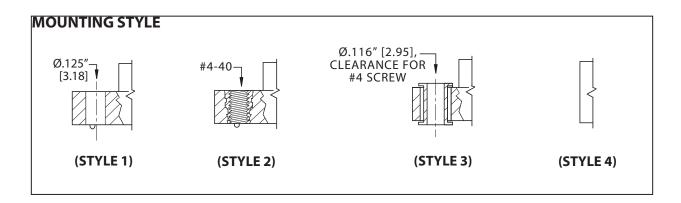
.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Card Extender

SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See Opposite Page
- P/N 04-0003-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





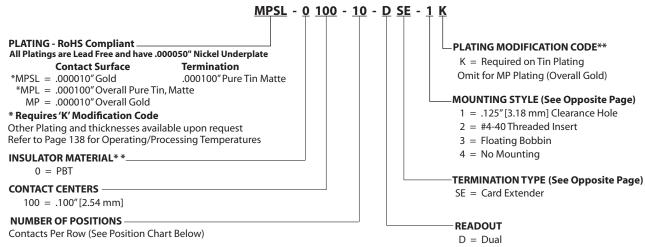


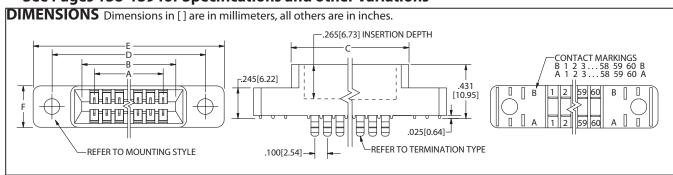


.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height,



PART NUMBER OPTIONS





POSITIONS/				INCHES					MI	LLIMETER	S	
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38
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	0.330	40.64	45.72	50.17	57.79	65.41	8.38
18/36	1.700	1.900	2.075	2.375	2.675	0.550	43.18	48.26	52.71	60.33	67.95	0.30
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	
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		86.36	91.44	95.89	103.51	111.13	
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	5.275 0.400 5.775	109.22	114.30	118.75	126.37	133.99	10.16
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	
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	

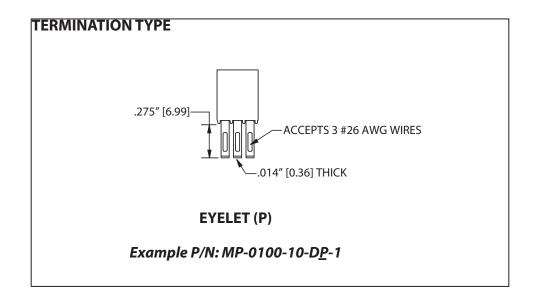


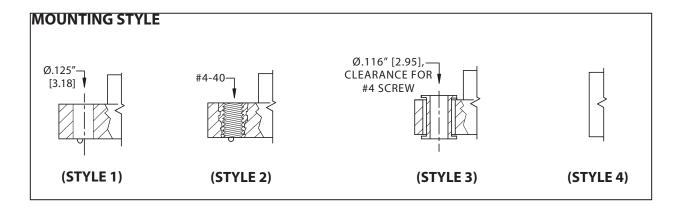


.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Eyelet

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- · 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0003-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory



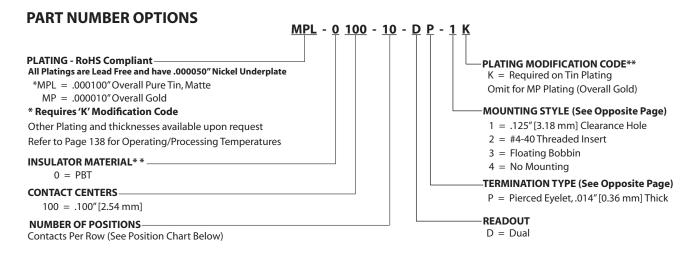


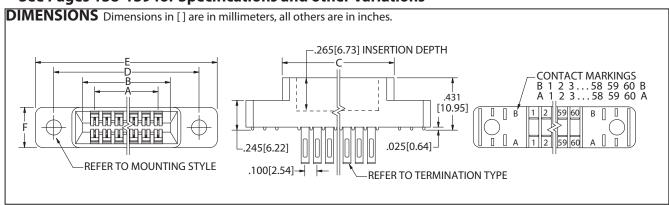




.100" [2.54 mm] Contact Centers, .431" [10.95 mm] Insulator Height,







POSITIONS/			I	INCHES					MII	LLIMETERS	5	
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38
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	0.220	40.64	45.72	50.17	57.79	65.41	8.38
18/36	1.700	1.900	2.075	2.375	2.675		43.18	48.26	52.71	60.33	67.95	8.38
19/38	1.800	2.000	2.175	2.475	75 2.775	45.72	50.80	55.25	62.87	70.49		
20/40	1.900	2.100	2.275	2.575		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	
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		86.36	91.44	95.89	103.51	111.13	
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	0.400	109.22	114.30	118.75	126.37	133.99	10.16
49/98	4.800	5.000	5.175	5.475	5.775	75 75	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	
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	

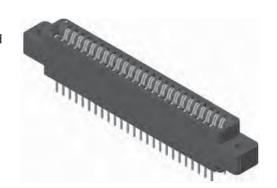




.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Wire Wrap & Dip Solder

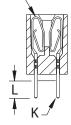
SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- · 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- Molded-in Key Available Consult Factory

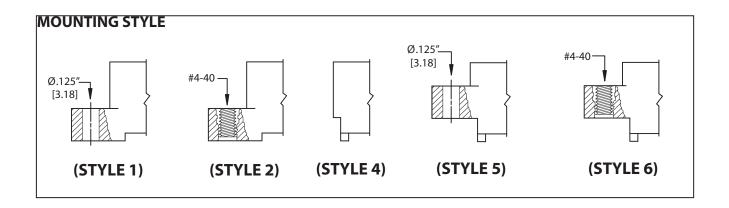


TERMINATION TYPE





TERMINATION CODE	MODIFICATION CODE	ТҮРЕ	POST CROSS SECTION K	POST LENGTH L	FITS MIN. HOLE SIZE	EXAMPLE PART NUMBER
R	Н	Dip Solder	.025" [0.64] Round	.190" [4.83]	.033" [0.84]	MPSL-0100-10-D <u>R</u> -1 <u>H</u> K
R	H(.165)	Dip Solder	.025" [0.64] Round	.165" [4.19]	.033" [0.84]	MPSL-0100-10-D <u>R</u> -1 <u>H</u> K(<u>.165)</u>
w	н	Dip Solder	.025" [0.64] Square	.190" [4.83]	.040" [1.02]	MPSL-0100-10-D <u>W</u> -1 <u>H</u> K
W	OMIT	Wire Wrap	.025" [0.64] Square	.560" [14.20]	.040" [1.02]	MPSL-0100-10-D <u>W</u> -1K



R = .025'' [0.64 mm] RoundW = .025'' [0.64 mm] Square

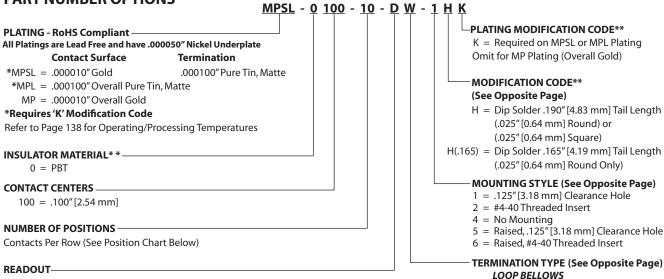


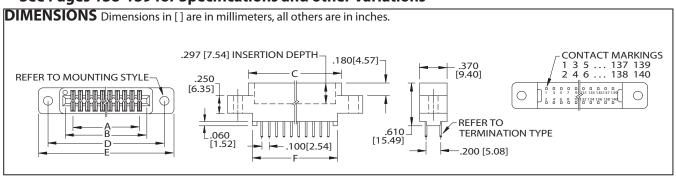
D = Dual

.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Wire Wrap & Dip Solder



PART NUMBER OPTIONS





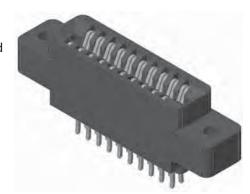
POSITIONS/			INC	HES					MILLI	METERS		
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F±015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.38
06/12	0.500	0.700	0.860	1.175	1.435	0.750	12.70	17.78	21.84	29.85	36.45	19.05
08/16	0.700	0.900	1.060	1.375	1.635	0.950	17.78	22.86	26.92	34.93	41.53	24.13
10/20	0.900	1.100	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
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

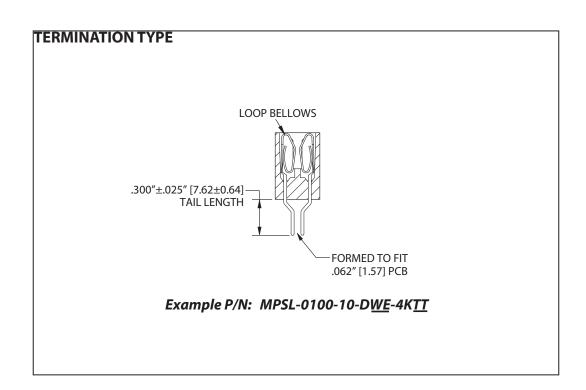


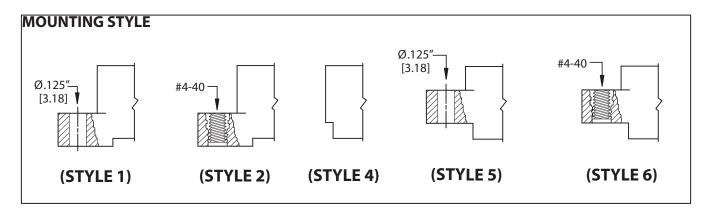


.100" [2.54 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square Card Extender

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- · 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory







WE = Card Extender

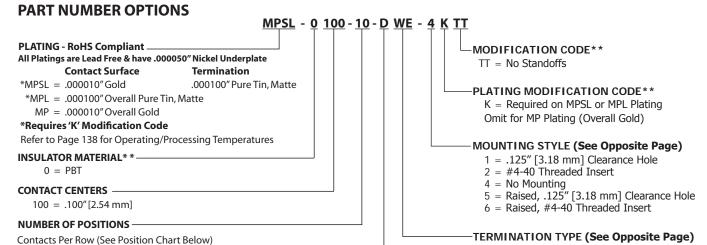


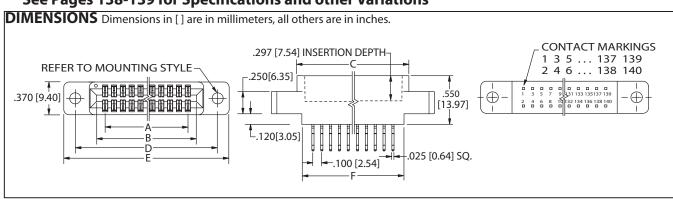
READOUT

D = Dual

.100" [2.54 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square Card Extender







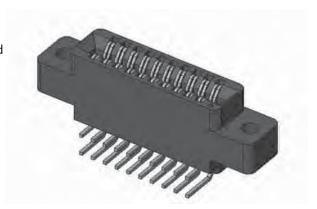
POSITIONS/			INC	HES					MILLI	METERS		
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F±.015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.38
06/12	0.500	0.700	0.860	1.175	1.435	0.750	12.70	17.78	21.84	29.85	36.45	19.05
08/16	0.700	0.900	1.060	1.375	1.635	0.950	17.78	22.86	26.92	34.93	41.53	24.13
10/20	0.900	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
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

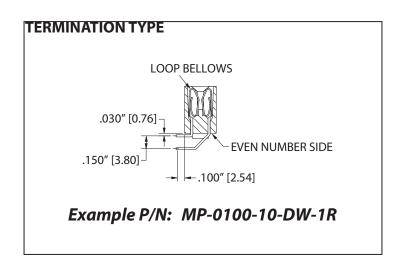


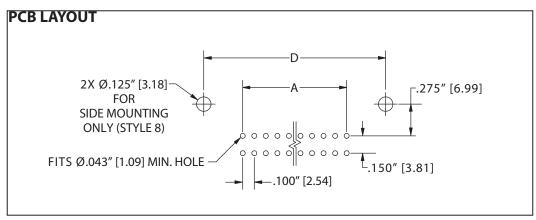


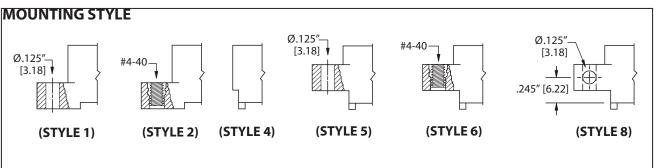
.100"[2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Right Angle

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory







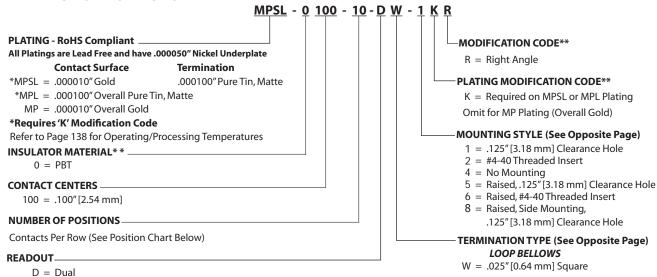


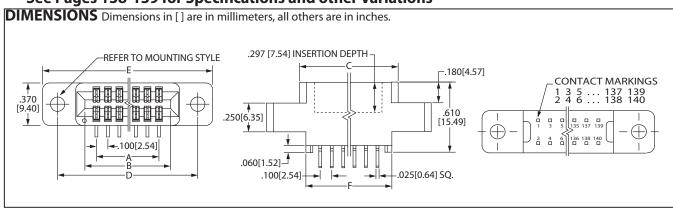


.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Right Angle









POSITIONS/			INC	HES					MILLI	METERS		
CONTACTS	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
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
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





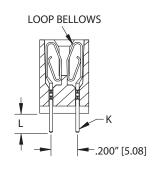
.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Special 18/31 with Barrier, Dip Solder/Wire Wrap, [ISA]

SPECIFICATIONS

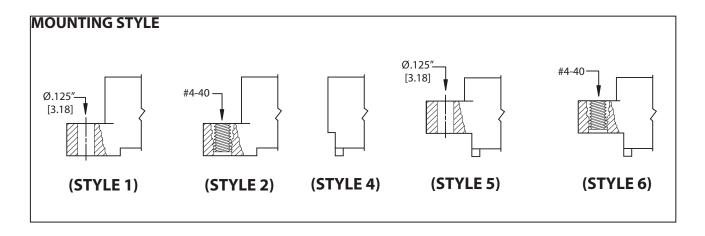
- ISA Connector
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory



TERMINATION TYPE



TERMINATION CODE	MODIFICATION CODE	ТҮРЕ	POST CROSS SECTION K	POST LENGTH L	FITS MIN. HOLE SIZE	EXAMPLE PART NUMBER
R	Н	Dip Solder	.025" [0.64] Round	.190" [4.83]	.033" [0.84]	MPSL-0100-18/31-D <u>R</u> -1 <u>H</u> K
R	H(.165)	Dip Solder	.025" [0.64] Round	.165" [4.19]	.033" [0.84]	MPSL-0100-18/31-D <u>R</u> -1 <u>H</u> K(<u>.165)</u>
w	н	Dip Solder	.025" [0.64] Square	.190" [4.83]	.040" [1.02]	MPSL-0100-18/31-D <u>W</u> -1 <u>H</u> K
W	ОМІТ	Wire Wrap	.025" [0.64] Square	.560" [14.20]	.040" [1.02]	MPSL-0100-18/31-D <u>W</u> -1K

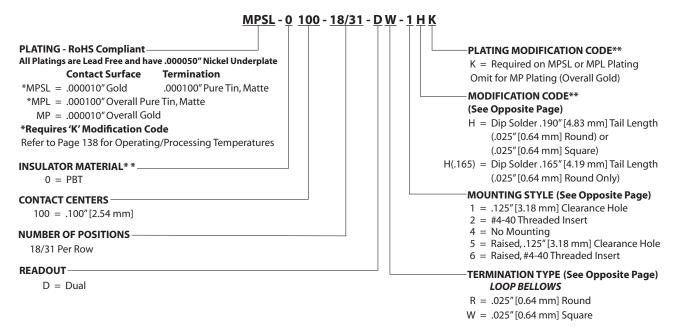




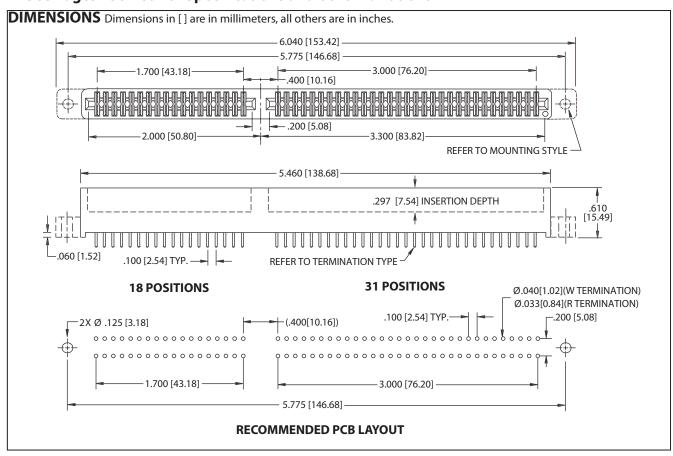
.100" [2.54 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Special 18/31 with Barrier, Dip Solder/Wire Wrap, [ISA]



PART NUMBER OPTIONS



CONSULT FACTORY FOR RIGHT ANGLE VERSION



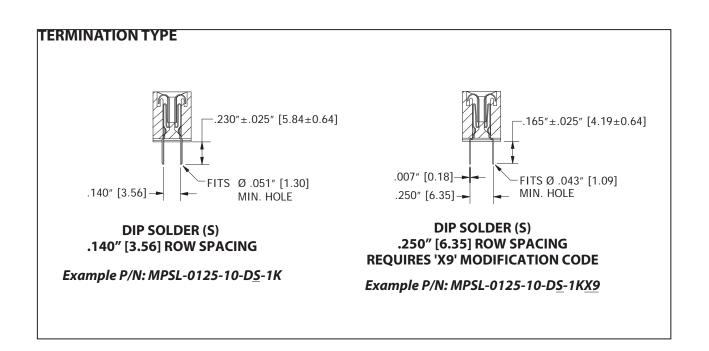


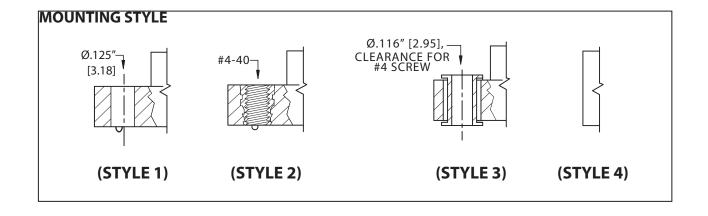


.125" [3.18 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- Row Spacing Available in .140" [3.56 mm] or .250" [6.35 mm] (Use Modification Code 'X9' for .250" [6.35 mm])
- P/N 04-0003-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





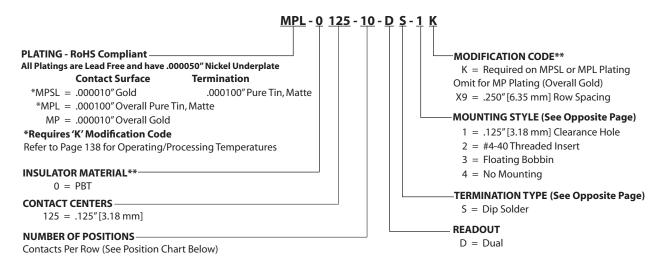


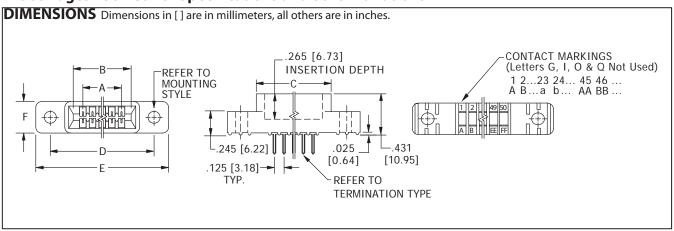


.125" [3.18 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder



PART NUMBER OPTIONS





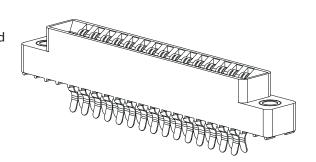
POSITIONS/				INCHES					MI	LLIMETER	S		
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38	
06/12	0.625	0.875	1.035	1.295	1.575		15.88	22.23	26.29	32.89	40.01		
10/20	1.125	1.375	1.535	1.795	2.075		28.58	34.93	38.99	45.59	52.71		
14/28	1.625	1.875	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	0.330	66.68	73.03	77.09	83.69	90.81	0.20	
28/56	3.375	3.625	3.785	4.045	4.325	0.330	85.73	92.08	96.14	102.74	109.86	8.38	
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		111.13	117.48	121.54	128.14	135.26		
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	5 0.370	136.53	142.88	146.94	153.54	160.66	9.40	
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		

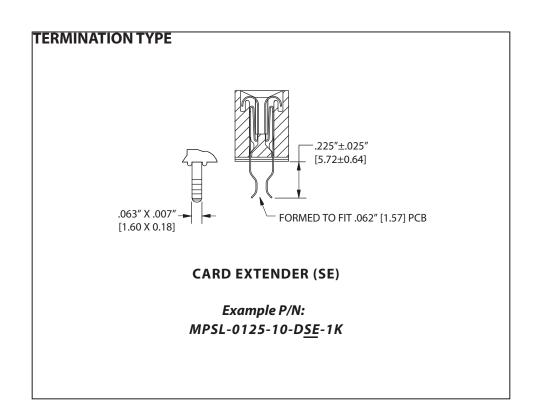


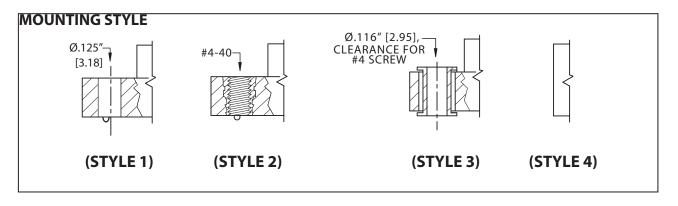


.125" [3.18 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Card Extender

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- · 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0003-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





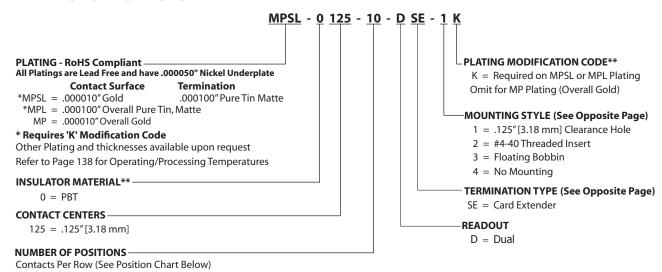


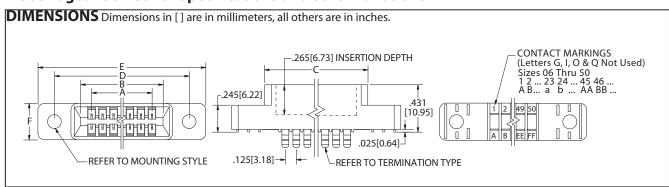


.125" [3.18 mm] Contact Centers, .431" [10.95 mm] Insulator Height,



PART NUMBER OPTIONS





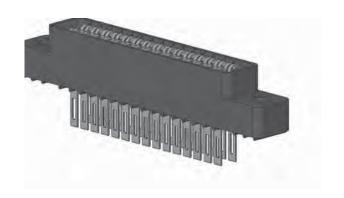
POSITIONS/				INCHES					М	ILLIMETER	RS		
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38	
06/12	0.625	0.875	1.035	1.295	1.575		15.88	22.23	26.29	32.89	40.01		
10/20	1.125	1.375	1.535	1.795	2.075		28.58	34.93	38.99	45.59	52.71		
14/28	1.625	1.875	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	0.220	66.68	73.03	77.09	83.69	90.81	8.38	
28/56	3.375	3.625	3.785	4.045	4.325	0.330	85.73	92.08	96.14	102.74	109.86	0.30	
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		111.13	117.48	121.54	128.14	135.26		
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	9.40	
49/98	6.000	6.250	6.410	6.670	6.950		152.40	158.75	162.81	169.42	176.53	i3	
50/100	6.125	6.375	6.535	6.795	7.075		155.58	161.93	165.99	172.59	179.71		

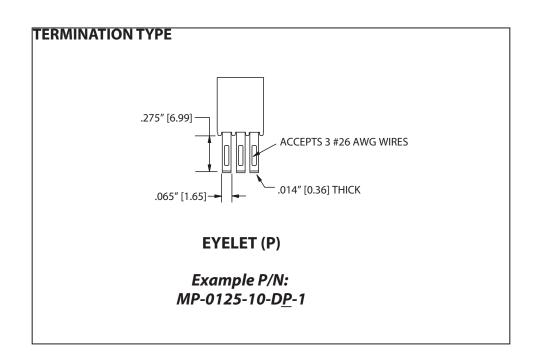


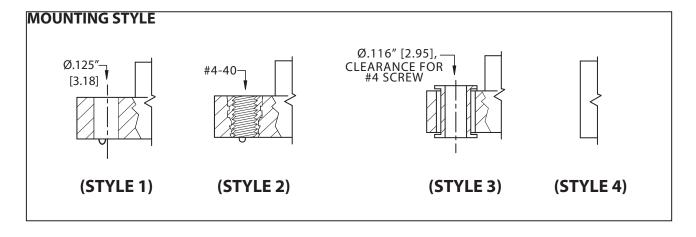


.125" [3.18 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Eyelet

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0003-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





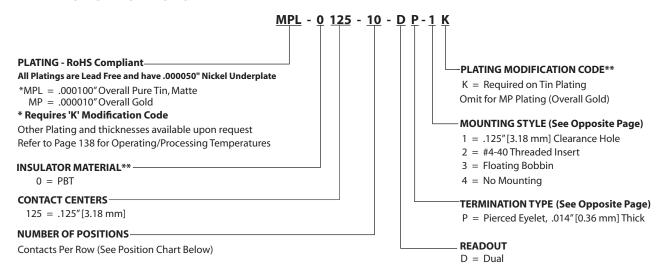


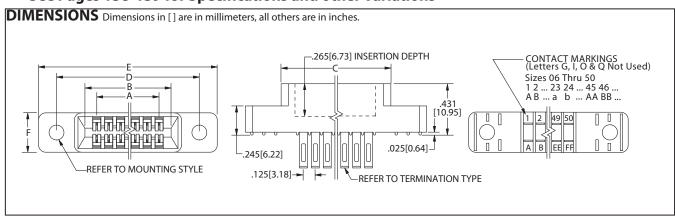


.125" [3.18 mm] Contact Centers, .431" [10.95 mm] Insulator Height,



PART NUMBER OPTIONS





POSITIONS/				INCHES					MI	LLIMETERS	S	
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F+0.13/-0.38
06/12	0.625	0.875	1.035	1.295	1.575		15.88	22.23	26.29	32.89	40.01	
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	0.220	66.68	73.03	77.09	83.69	90.81	8.38
28/56	3.375	3.625	3.785	4.045	4.325	0.330	85.73	92.08	96.14	102.74	109.86	0.30
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		111.13	117.48	121.54	128.14	135.26	
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	9.40
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	

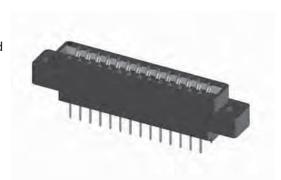




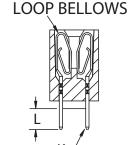
.125"[3.18 mm] Contact Centers, .610"[15.49 mm] Insulator Height, Wire Wrap & Dip Solder

SPECIFICATIONS

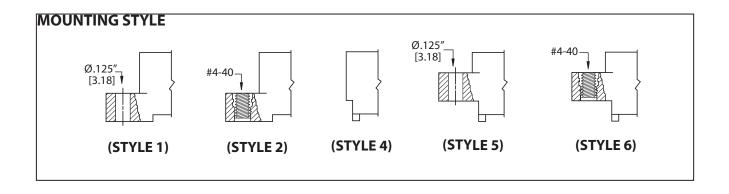
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- · 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- Molded-in Key Available Consult Factory



TERMINATION TYPE



TERMINATION CODE	MODIFICATION CODE	ТҮРЕ	POST CROSS SECTION K	POST LENGTH L	FITS MIN. HOLE SIZE	EXAMPLE PART NUMBER
R	Н	Dip Solder	.025" [0.64] Round	.190" [4.83]	.033" [0.84]	MPSL-0125-10-D <u>R</u> -1 <u>H</u> K
R	H(.165)	Dip Solder	.025" [0.64] Round	.165" [4.19]	.033" [0.84]	MPSL-0125-10-D <u>R</u> -1 <u>H</u> K <u>(.165)</u>
w	н	Dip Solder	.025" [0.64] Square	.190" [4.83]	.040" [1.02]	MPSL-0125-10-D <u>W</u> -1 <u>H</u> K
W	ОМІТ	Wire Wrap	.025" [0.64] Square	.560" [14.20]	.040" [1.02]	MPSL-0125-10-D <u>W</u> -1K

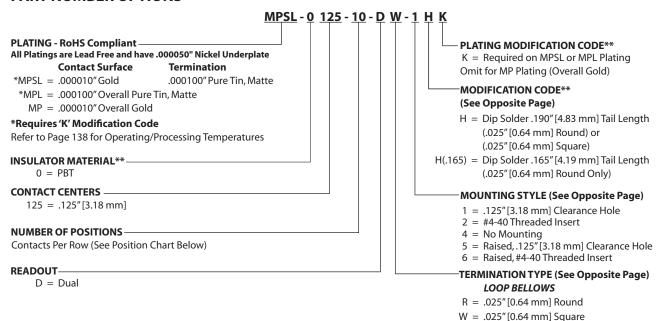


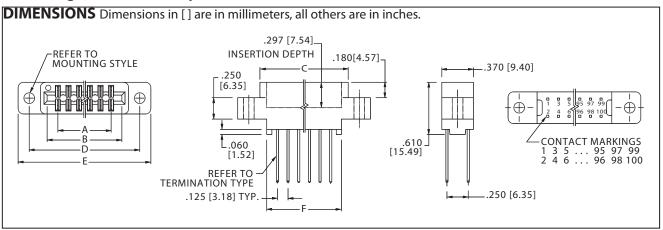


.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Wire Wrap & Dip Solder



PART NUMBER OPTIONS





POSITIONS/			INC	HES					MILLIN	METERS		
CONTACTS	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

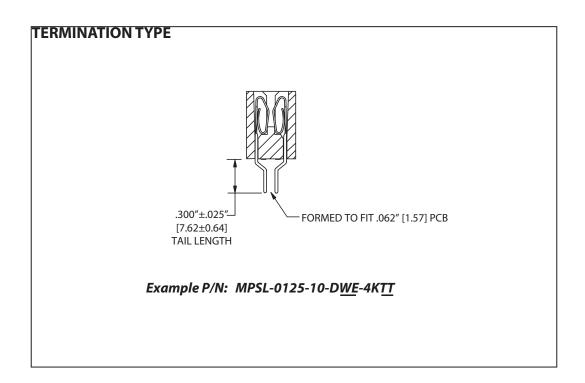


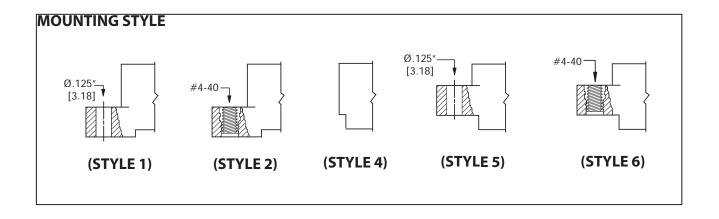


.125" [3.18 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square Card Extender

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





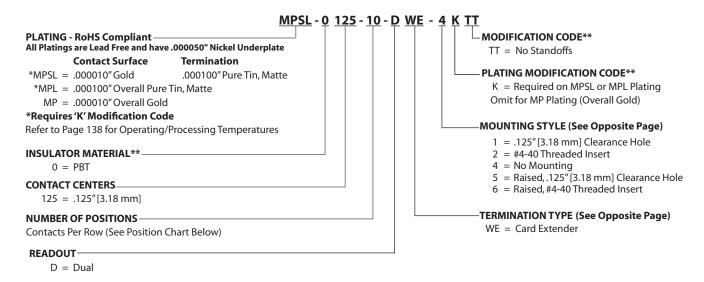


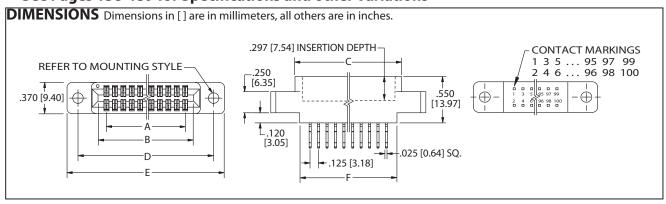


.125" [3.18 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square Card Extender



PART NUMBER OPTIONS





POSITIONS/			INC	HES			MILLIMETERS							
CONTACTS	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		

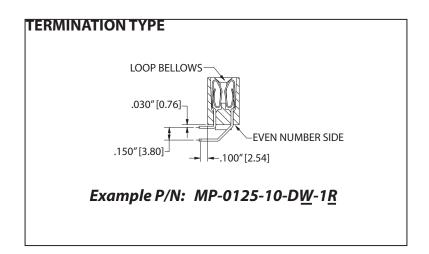


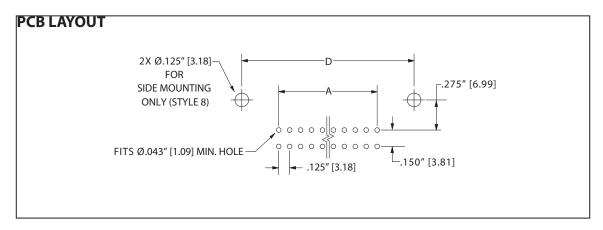


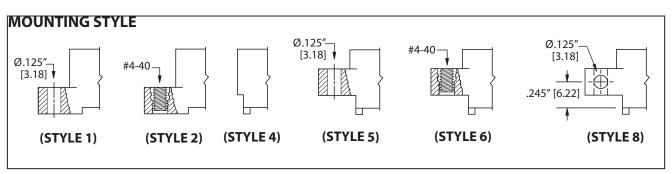
.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Right Angle

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory







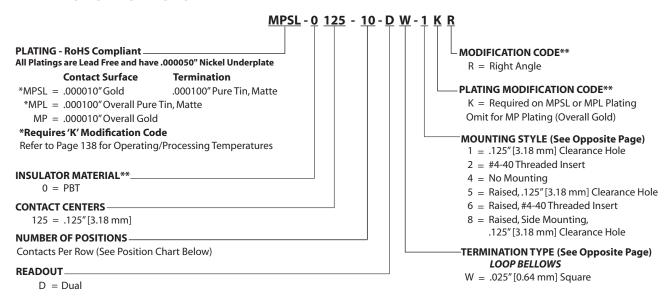


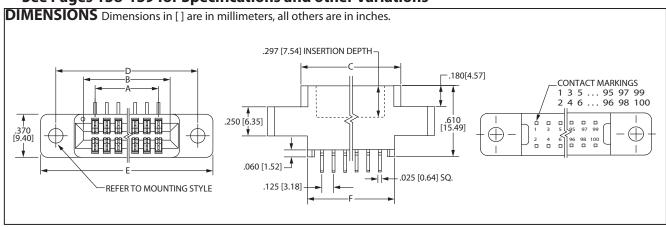


.125" [3.18 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Right Angle



PART NUMBER OPTIONS





POSITIONS/			INC	HES			MILLIMETERS							
CONTACTS	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		

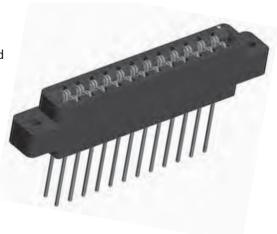




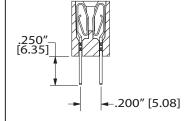
.150" [3.81 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square & .025" [0.64 mm] Round Dip Solder

SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory

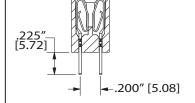


TERMINATION TYPE



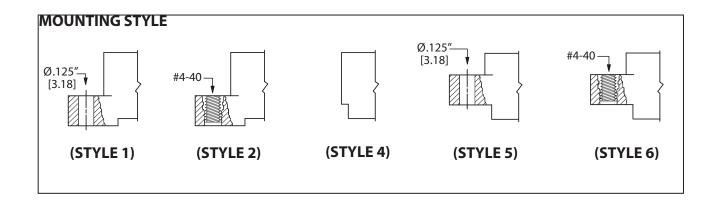
.250" [6.35] TAIL LENGTH

Termination Code	Modification Code	Termination Type	Fits Min. Hole Size	Example Part Number
w	Н	.025" [0.64] Square	.040" [1.02]	MPSL-0150-18-D <u>W</u> -1 <u>H</u> K
R	Н	.025" [0.64] Round	.033" [0.84]	MPSL-0150-18-D <u>R</u> -1 <u>H</u> K



.225" [5.72] TAIL LENGTH

Termination	Modification	Termination	Fits Min. Hole	Example Part Number
Code	Code	Type	Size	
R	H(.225)	.025" [0.64] Round	.033" [0.84]	MPSL-0150-18-D <u>R</u> -1 <u>H</u> K <u>(.225)</u>

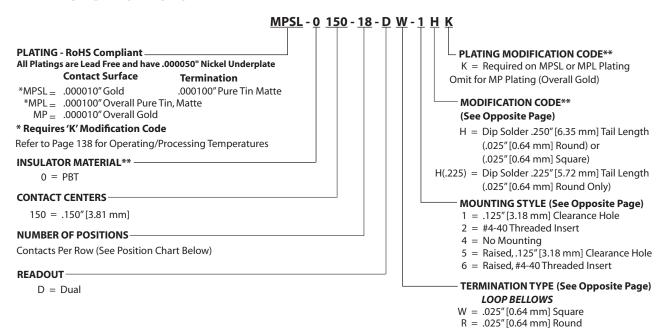


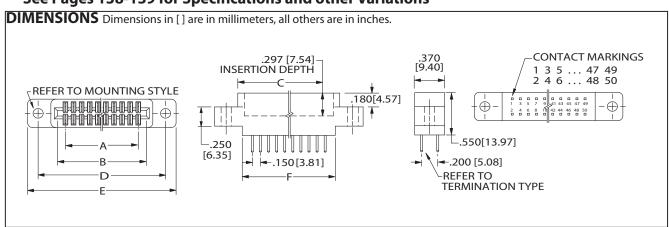


.150" [3.81 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square & .025" [0.64 mm] Round Dip Solder



PART NUMBER OPTIONS





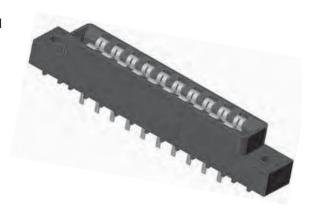
POSITIONS/			INC	HES			MILLIMETERS						
CONTACTS	A±.008	B±.008	C±.015	D±.015	E±.020	F±.015	A±0.20	B±0.20	C±0.38	D±0.38	E±0.51	F±0.38	
18/36	2.550	2.850	2.990	3.300	3.550	2.840	64.77	72.39	75.95	83.82	90.17	72.14	
25/50	3.600	3.900	4.040			3.890	91.44	99.06	102.62			98.81	
26/52	3.750	4.050	4.190	4.500	4.750	4.040	95.25	102.87	106.43	114.30	120.65	102.62	
28/56	4.050	4.350	4.490	4.800	5.050	4.340	102.87	110.49	114.05	121.92	128.27	110.24	
32/64	4.650	4.950	5.090	5.400	5.650	4.940	118.11	125.73	129.29	137.16	143.51	125.48	
50/100	7.350	7.650	7.800			7.640	186.69	194.31	198.12			194.06	

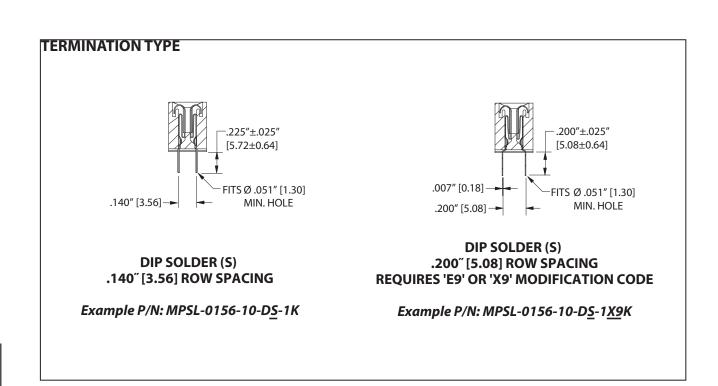


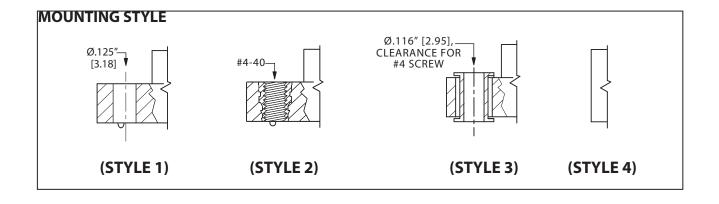


.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized (for 5 Amps application, consult factory)
- Insulator / Contact Specifications and Part Number Options See opposite page
- Row Spacing Available in .140" [3.56 mm] or .200" [5.08 mm]
 (Use Modification Code 'E9' or 'X9' for .200" [5.08 mm])
- P/N 04-0003-000 for In Between Contact Polarizing Key
 P/N 04-0002-000 for In Contact Polarizing Key
 See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





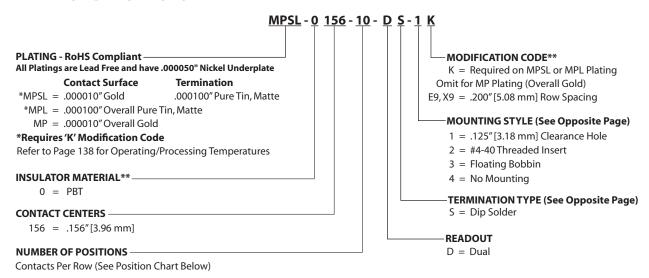


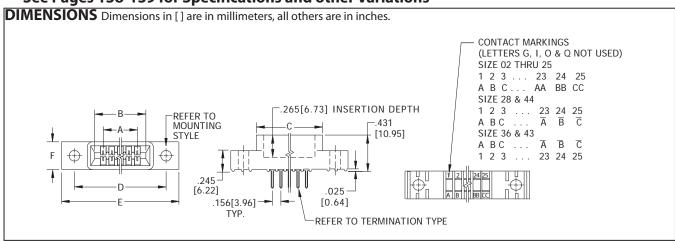


.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Dip Solder



PART NUMBER OPTIONS





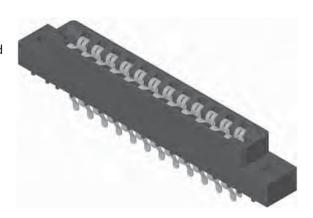
POSITIONS/				INCHES			MILLIMETERS							
CONTACTS	A±.008	B±.008	C±.015	D±.010	E MAX	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E MAX	F+0.13/-0.38		
02/04	0.156	0.476	0.596	(N/ MOI	INITINIC		3.96	12.09	15.14	(N/ MOI	INITINIC			
03/06	0.312	0.632	0.752	IN MICK	JNTING		7.92	16.05	19.10	'N' MOUNTING				
06/12	0.780	1.100	1.220	1.533	1.902		19.81	27.94	30.99	38.94	48.31			
08/16	1.092	1.412	1.532	1.845	2.214		27.74	35.86	38.91	46.86	56.24			
10/20	1.404	1.724	1.844	2.157	2.526		35.66	43.79	46.84	54.79	64.16			
11/22	1.560	1.880	2.000	2.313	2.682	0.225	39.62	47.75	50.80	58.75	68.12	0.26		
12/24	1.716	2.036	2.156	2.469	2.838	0.325	43.59	51.71	54.76	62.71	72.09	8.26		
15/30	2.184	2.504	2.624	2.937	3.306		55.47	63.60	66.65	74.60	83.97			
18/36	2.652	2.972	3.092	3.405	3.774		67.36	75.49	78.54	86.49	95.86			
22/44	3.276	3.596	3.716	4.029	4.398		83.21	91.34	94.39	102.34	111.71			
24/48	3.588	3.908	4.028	4.341	4.710		91.14	99.26	102.31	110.26	119.63			
25/50	3.744	4.064	4.184	4.497	4.866		95.10	103.23	106.27	114.22	123.60			
28/56	4.212	4.532	4.652	4.965	5.334	0.430	106.98	115.11	118.16	126.11	135.48	11.12		
36/72	5.460	5.780	5.900	6.213	6.582	0.438	138.68	146.81	149.86	157.81	167.18	11.13		
43/86	6.552	6.872	6.992	7.305	7.674	0.500	166.42	174.55	177.60	185.55	194.92	12.70		
44/88	6.708	7.028	7.148	7.461	7.830	0.300	170.38	178.51	181.56	189.51	198.88	12.70		

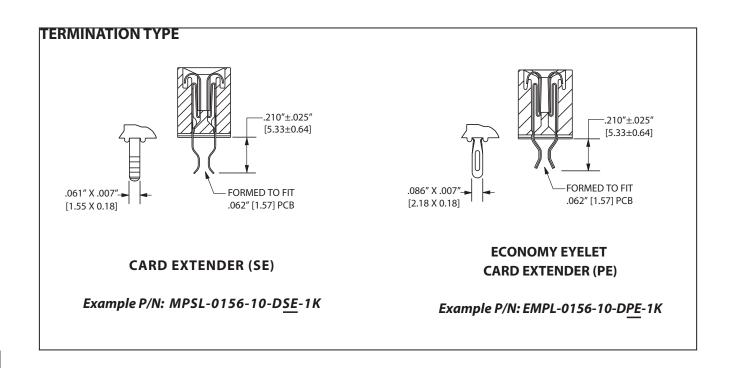


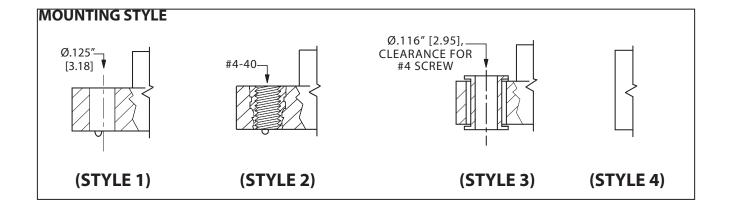


.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Card Extender

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized (for 5 Amps application, consult factory)
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0003-000 for In Between Contact Polarizing Key
 P/N 04-0002-000 for In Contact Polarizing Key
 See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





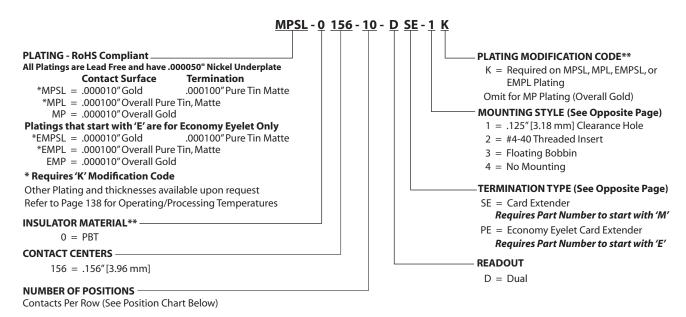


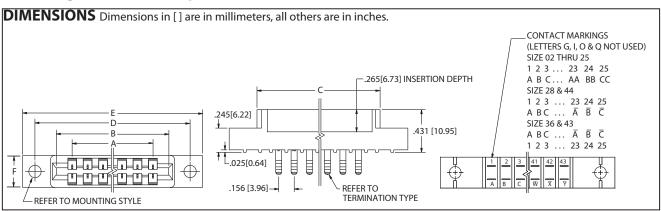


.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Card Extender



PART NUMBER OPTIONS





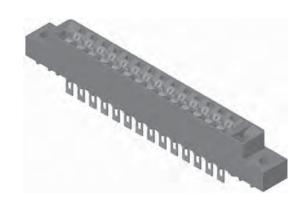
POSITIONS/				INCHES			MILLIMETERS					
CONTACTS	A±.008	B±.008	C±.015	D±.010	E MAX	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E MAX	F+0.13/-0.38
02/04	0.156	0.476	0.596	'N' MOL	INITINIC		3.96	12.09	15.14	/N/MOI	INITINIC	
03/06	0.312	0.632	0.752	IN MOC	DNIING		7.92	16.05	19.10	'N' MOUNTING		
06/12	0.780	1.100	1.220	1.533	1.902		19.81	27.94	30.99	38.94	48.31	
08/16	1.092	1.412	1.532	1.845	2.214		27.74	35.86	38.91	46.86	56.24	
10/20	1.404	1.724	1.844	2.157	2.526		35.66	43.79	46.84	54.79	64.16	
11/22	1.560	1.880	2.000	2.313 2.682		0.335	39.62	47.75	50.80	58.75	68.12	0.26
12/24	1.716	2.036	2.156	2.469	2.838	0.325	43.59	51.71	54.76	62.71	72.09	8.26
15/30	2.184	2.504	2.624	2.937	3.306		55.47	63.60	66.65	74.60	83.97	
18/36	2.652	2.972	3.092	3.405	3.774		67.36	75.49	78.54	86.49	95.86	
22/44	3.276	3.596	3.716	4.029	4.398		83.21	91.34	94.39	102.34	111.71	
24/48	3.588	3.908	4.028	4.341	4.710		91.14	99.26	102.31	110.26	119.63	
25/50	3.744	4.064	4.184	4.497	4.866		95.10	103.23	106.27	114.22	123.60	
28/56	4.212	4.532	4.652	4.965	5.334	0.439	106.98	115.11	118.16	126.11	135.48	11 12
36/72	5.460	5.780	5.900	6.213	6.582	0.438	138.68	146.81	149.86	157.81	167.18	11.13
43/86	6.552	6.872	6.992	7.305	7.674	0.500	166.42	174.55	177.60	185.55	194.92	12.70
44/88	6.708	7.028	7.148	7.461	7.830	0.500	170.38	178.51	181.56	189.51	198.88	12.70

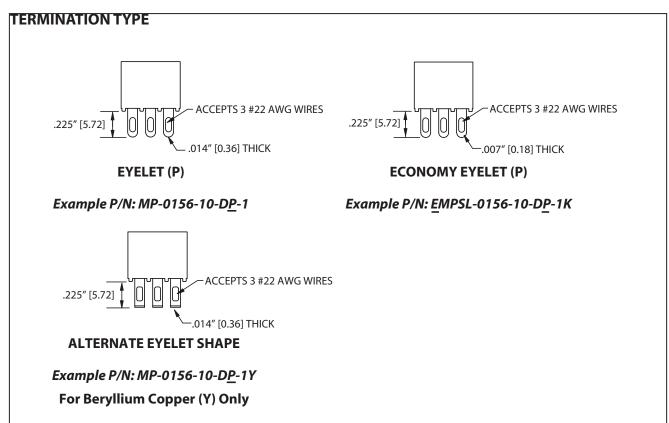


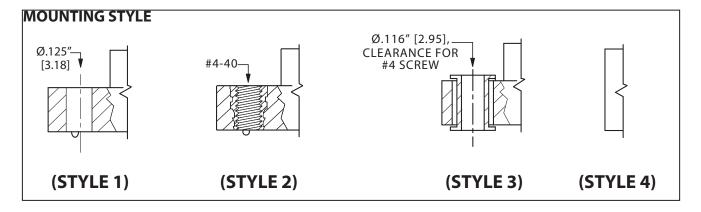


.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height, Eyelet

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized (for 5 Amps application, consult factory)
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0003-000 for In Between Contact Polarizing Key
 P/N 04-0002-000 for In Contact Polarizing Key
 See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory





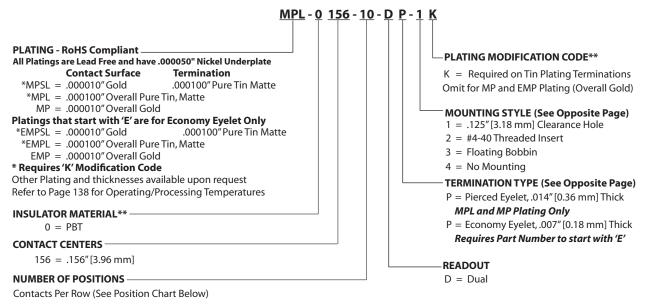


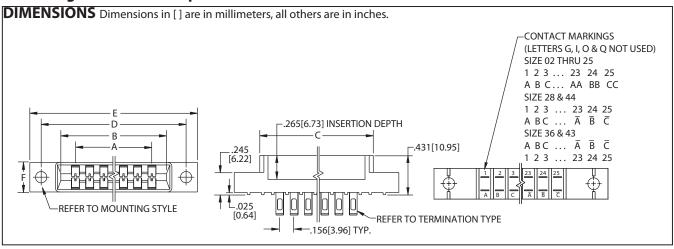


.156" [3.96 mm] Contact Centers, .431" [10.95 mm] Insulator Height,



PART NUMBER OPTIONS





POSITIONS/				INCHES			MILLIMETERS						
CONTACTS	A±.008	B±.008	C±.015	D±.010	E MAX	F+.005/015	A±0.20	B±0.20	C±0.38	D±0.25	E MAX	F+0.13/-0.38	
02/04	0.156	0.476	0.596	/N/MOI	INTING		3.96	12.09	15.14	'N' MOL	INITINIC		
03/06	0.312	0.632	0.752	'N' MOL	DNIING		7.92	16.05	19.10	N MOC	JINTING		
06/12	0.780	1.100	1.220	1.533	1.902		19.81	27.94	30.99	38.94	48.31		
08/16	1.092	1.412	1.532	1.845	2.214		27.74	35.86	38.91	46.86	56.24		
10/20	1.404	1.724	1.844	2.157	2.526		35.66	43.79	46.84	54.79	64.16		
11/22	1.560	1.880	2.000	2.313	2.682	0.335	39.62	47.75	50.80	58.75	68.12	0.26	
12/24	1.716	2.036	2.156	2.469	2.838	0.325	43.59	51.71	54.76	62.71	72.09	8.26	
15/30	2.184	2.504	2.624	2.937	3.306		55.47	63.60	66.65	74.60	83.97		
18/36	2.652	2.972	3.092	3.405	3.774		67.36	75.49	78.54	86.49	95.86		
22/44	3.276	3.596	3.716	4.029	4.398		83.21	91.34	94.39	102.34	111.71		
24/48	3.588	3.908	4.028	4.341	4.710		91.14	99.26	102.31	110.26	119.63		
25/50	3.744	4.064	4.184	4.497	4.866		95.10	103.23	106.27	114.22	123.60		
28/56	4.212	4.532	4.652	4.965	5.334	0.439	106.98	115.11	118.16	126.11	135.48	11 12	
36/72	5.460	5.780	5.900	6.213	6.582	0.438	138.68	146.81	149.86	157.81	167.18	11.13	
43/86	6.552	6.872	6.992	7.305	7.674	0.500	166.42	174.55	177.60	185.55	194.92	12.70	
44/88	6.708	7.028	7.148	7.461	7.830	0.500	170.38	178.51	181.56	189.51	198.88	12.70	

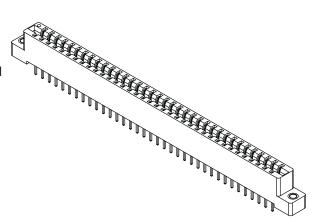




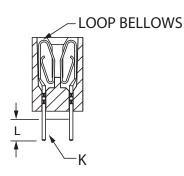
.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Wire Wrap & Dip Solder

SPECIFICATIONS

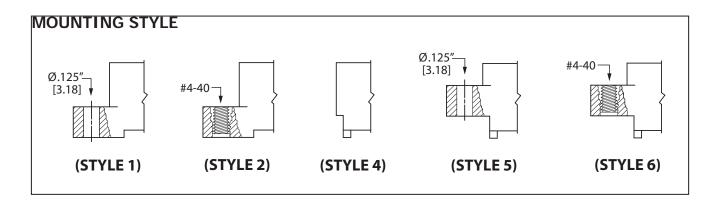
- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- · Molded-in Key Available Consult Factory



TERMINATION TYPE



TERMINATION CODE	MODIFICATION CODE	ТҮРЕ	POST CROSS SECTION K	POST LENGTH L	FITS MIN. HOLE SIZE	EXAMPLE PART NUMBER
R	Н	Dip Solder	.025" [0.64] Round	.190" [4.83]	.033" [0.84]	MPSL-0156-10-D <u>R</u> -1 <u>H</u> K
R	H(.165)	Dip Solder	.025" [0.64] Round	.165" [4.19]	.033" [0.84]	MPSL-0156-10-D <u>R</u> -1 <u>H</u> K <u>(.165)</u>
w	Н	Dip Solder	.025" [0.64] Square	.190" [4.83]	.040" [1.02]	MPSL-0156-10-D <u>W</u> -1 <u>H</u> K
w	OMIT	Wire Wrap	.025" [0.64] Square	.560" [14.20]	.040" [1.02]	MPSL-0156-10-D <u>W</u> -1K

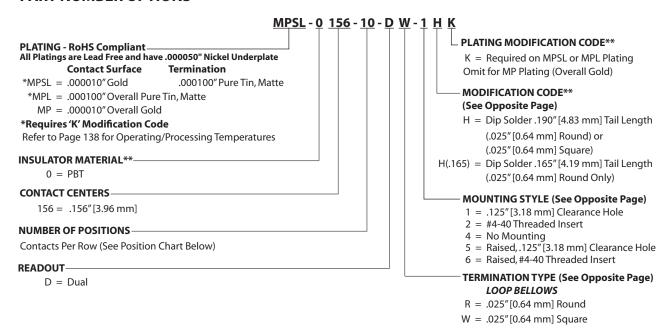


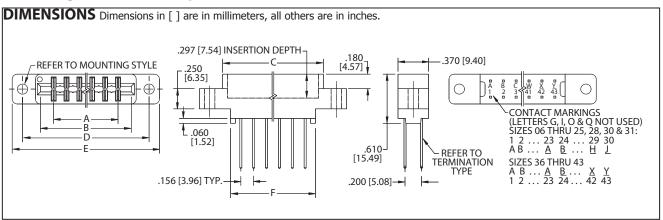


.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Wire Wrap & Dip Solder



PART NUMBER OPTIONS





POSITIONS/			INC	HES			MILLIMETERS							
CONTACTS	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	0.780	1.102	1.221	1.534	1.784	1.030	19.81	27.99	31.01	38.96	45.31	26.16		
08/16	1.092	1.414	1.533	1.846	2.096	1.342	27.74	35.92	38.94	46.89	53.24	34.09		
10/20	1.404	1.726	1.845	2.158	2.408	1.654	35.66	43.84	46.86	54.81	61.16	42.01		
12/24	1.716	2.038	2.157	2.470	2.720	1.966	43.59	51.77	54.79	62.74	69.09	49.94		
15/30	2.184	2.506	2.625	2.938	3.188	2.434	55.47	63.65	66.68	74.63	80.98	61.82		
18/36	2.652	2.974	3.093	3.406	3.656	2.902	67.36	75.54	78.56	86.51	92.86	73.71		
20/40*	2.964	3.286	3.405	3.718	3.968	3.214	75.29	83.46	86.49	94.44	100.79	81.64		
22/44	3.276	3.598	3.717	4.030	4.280	3.526	83.21	91.39	94.41	102.36	108.71	89.56		
24/48	3.588	3.910	4.029	4.342	4.592	3.838	91.14	99.31	102.34	110.29	116.64	97.49		
25/50	3.744	4.066	4.185	4.498	4.748	3.994	95.10	103.28	106.30	114.25	120.60	101.45		
28/56	4.212	4.534	4.653	4.966	5.216	4.462	106.98	115.16	118.19	126.14	132.49	113.33		
30/60	4.524	4.846	4.965	5.278	5.528	4.774	114.91	123.09	126.11	134.06	140.41	121.26		
31/62	4.680	5.002	5.121	5.434	5.684	4.930	118.87	127.05	130.07	138.02	144.37	125.22		
36/72	5.460	5.782	5.901	6.214	6.464	5.710	138.68	146.86	149.89	157.84	164.19	145.03		
40/80	6.084	6.406	6.525	6.838	7.088	6.334	154.53	162.71	165.74	173.69	180.04	160.88		
43/86	6.552	6.874	6.993	7.306	7.556	6.802	166.42	174.60	177.62	185.57	191.92	172.77		

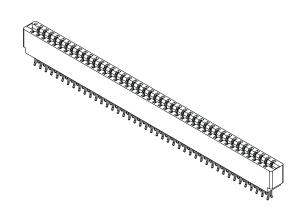
^{*} Consult factory for availability.

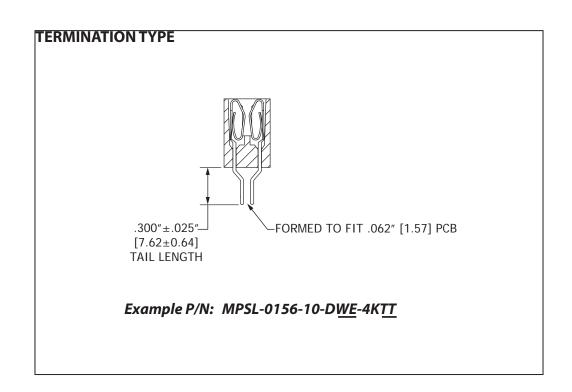


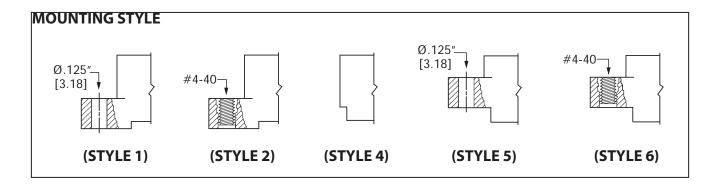


.156" [3.96 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square Card Extender

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See opposite page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- Molded-in Key Available Consult Factory





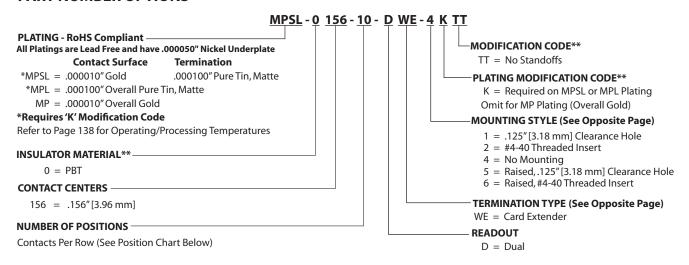


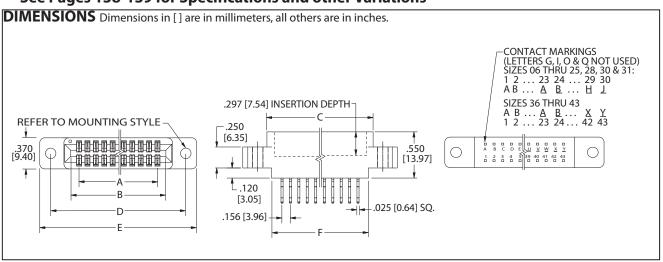


.156" [3.96 mm] Contact Centers, .550" [13.97 mm] Insulator Height, .025" [0.64 mm] Square Card Extender



PART NUMBER OPTIONS





POSITIONS/			INC	HES			MILLIMETERS						
CONTACTS	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	0.780	1.102	1.221	1.534	1.784	1.030	19.81	27.99	31.01	38.96	45.31	26.16	
08/16	1.092	1.414	1.533	1.846	2.096	1.342	27.74	35.92	38.94	46.89	53.24	34.09	
10/20	1.404	1.726	1.845	2.158	2.408	1.654	35.66	43.84	46.86	54.81	61.16	42.01	
12/24	1.716	2.038	2.157	2.470	2.720	1.966	43.59	51.77	54.79	62.74	69.09	49.94	
15/30	2.184	2.506	2.625	2.938	3.188	2.434	55.47	63.65	66.68	74.63	80.98	61.82	
18/36	2.652	2.974	3.093	3.406	3.656	2.902	67.36	75.54	78.56	86.51	92.86	73.71	
20/40*	2.964	3.286	3.405	3.718	3.968	3.214	75.29	83.46	86.49	94.44	100.79	81.64	
22/44	3.276	3.598	3.717	4.030	4.280	3.526	83.21	91.39	94.41	102.36	108.71	89.56	
24/48	3.588	3.910	4.029	4.342	4.592	3.838	91.14	99.31	102.34	110.29	116.64	97.49	
25/50	3.744	4.066	4.185	4.498	4.748	3.994	95.10	103.28	106.30	114.25	120.60	101.45	
28/56	4.212	4.534	4.653	4.966	5.216	4.462	106.98	115.16	118.19	126.14	132.49	113.33	
30/60	4.524	4.846	4.965	5.278	5.528	4.774	114.91	123.09	126.11	134.06	140.41	121.26	
31/62	4.680	5.002	5.121	5.434	5.684	4.930	118.87	127.05	130.07	138.02	144.37	125.22	
36/72	5.460	5.782	5.901	6.214	6.464	5.710	138.68	146.86	149.89	157.84	164.19	145.03	
40/80	6.084	6.406	6.525	6.838	7.088	6.334	154.53	162.71	165.74	173.69	180.04	160.88	
43/86	6.552	6.874	6.993	7.306	7.556	6.802	166.42	174.60	177.62	185.57	191.92	172.77	

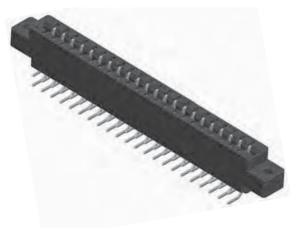
^{*} Consult factory for availability.

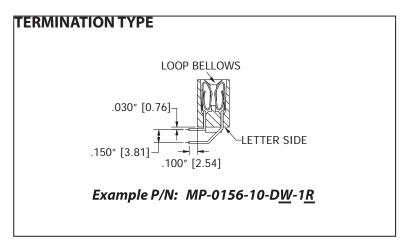


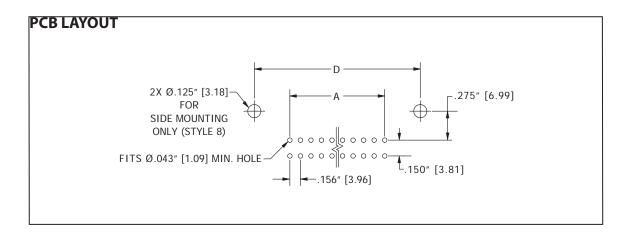


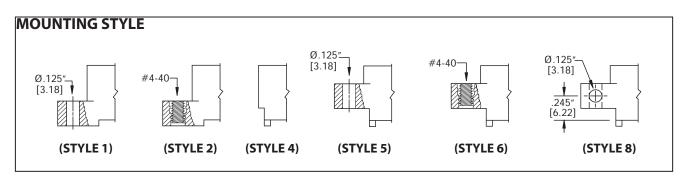
.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Right Angle

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- Insulator Material available in PBT, PPS, or PA9T
- · 3 Amps current rating for one contact energized
- Insulator / Contact Specifications and Part Number Options See Opposite Page
- P/N 04-0004-000 for In Between Contact Polarizing Key See Page 182 (Sold Separately)
- Molded-in Key Available Consult Factory







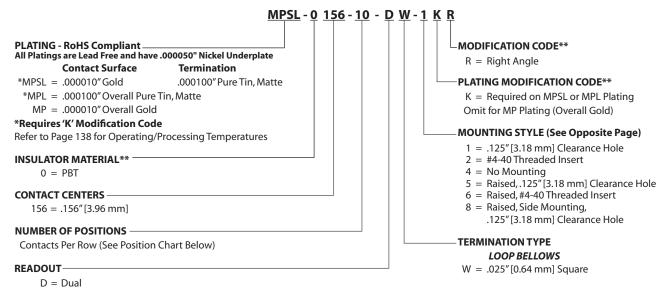




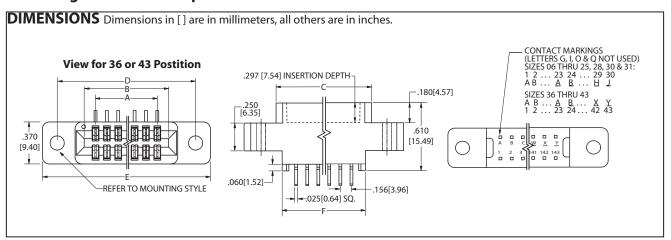
.156" [3.96 mm] Contact Centers, .610" [15.49 mm] Insulator Height, Right Angle



PART NUMBER OPTIONS



** See Pages 138-139 for Specifications and other Variations



POSITIONS/	INCHES					MILLIMETERS						
CONTACTS	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	0.780	1.102	1.221	1.534	1.784	1.030	19.81	27.99	31.01	38.96	45.31	26.16
08/16	1.092	1.414	1.533	1.846	2.096	1.342	27.74	35.92	38.94	46.89	53.24	34.09
10/20	1.404	1.726	1.845	2.158	2.408	1.654	35.66	43.84	46.86	54.81	61.16	42.01
12/24	1.716	2.038	2.157	2.470	2.720	1.966	43.59	51.77	54.79	62.74	69.09	49.94
15/30	2.184	2.506	2.625	2.938	3.188	2.434	55.47	63.65	66.68	74.63	80.98	61.82
18/36	2.652	2.974	3.093	3.406	3.656	2.902	67.36	75.54	78.56	86.51	92.86	73.71
20/40*	2.964	3.286	3.405	3.718	3.968	3.214	75.29	83.46	86.49	94.44	100.79	81.64
22/44	3.276	3.598	3.717	4.030	4.280	3.526	83.21	91.39	94.41	102.36	108.71	89.56
24/48	3.588	3.910	4.029	4.342	4.592	3.838	91.14	99.31	102.34	110.29	116.64	97.49
25/50	3.744	4.066	4.185	4.498	4.748	3.994	95.10	103.28	106.30	114.25	120.60	101.45
28/56	4.212	4.534	4.653	4.966	5.216	4.462	106.98	115.16	118.19	126.14	132.49	113.33
30/60	4.524	4.846	4.965	5.278	5.528	4.774	114.91	123.09	126.11	134.06	140.41	121.26
31/62	4.680	5.002	5.121	5.434	5.684	4.930	118.87	127.05	130.07	138.02	144.37	125.22
36/72	5.460	5.782	5.901	6.214	6.464	5.710	138.68	146.86	149.89	157.84	164.19	145.03
40/80	6.084	6.406	6.525	6.838	7.088	6.334	154.53	162.71	165.74	173.69	180.04	160.88
43/86	6.552	6.874	6.993	7.306	7.556	6.802	166.42	174.60	177.62	185.57	191.92	172.77

^{*} Consult factory for availability.

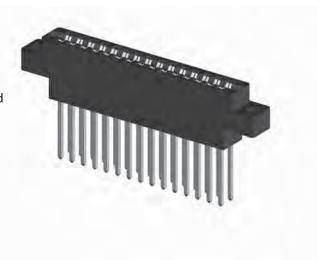


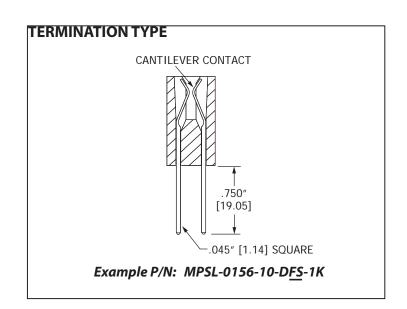


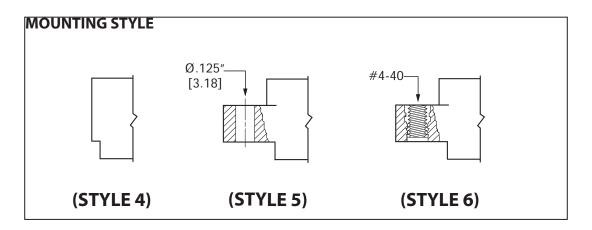
.156" [3.96 mm] Contact Centers, .720" [18.29 mm] Insulator Height, .045" [1.14 mm] Square Wire Wrap

SPECIFICATIONS

- Accommodates .062" ± .008" [1.57 mm ± 0.20 mm] PC Board
- · Insulator Material available in PBT, PPS, or PA9T
- 3 Amps current rating per contact for contacts fully energized (for 5 Amps application, consult factory)
- Insulator / Contact Specifications and Part Number Options See Opposite Page
- Molded-in Key Available Consult Factory





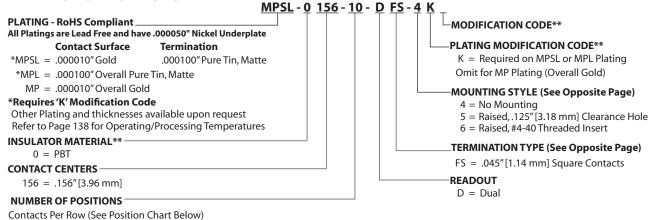


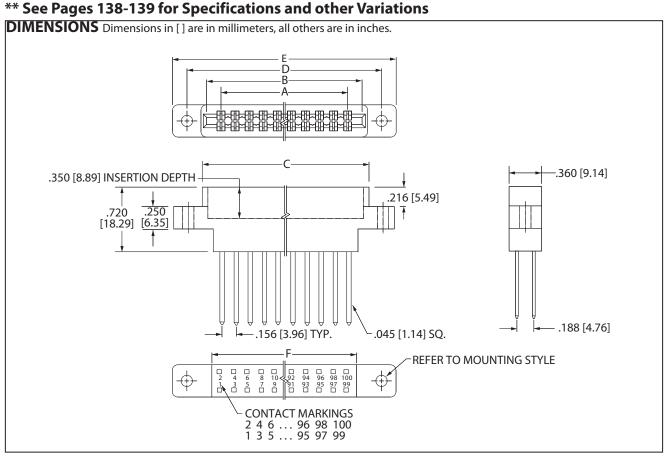


.156" [3.96 mm] Contact Centers, .720" [18.29 mm] Insulator Height, .045" [1.14 mm] Square Wire Wrap



PART NUMBER OPTIONS





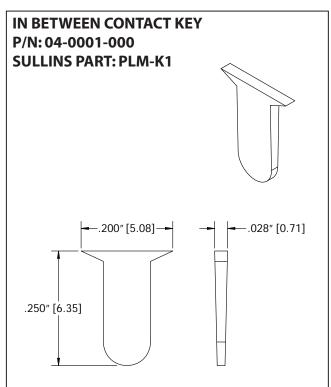
POSITIONS/	INCHES					MILLIMETERS						
CONTACTS	A±.008	B±.008	C±.015	D±.010	E±.020	F±.015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.38
10/20	1.404	1.724	1.848	2.158	2.408	1.604	35.66	43.79	46.94	54.81	61.16	40.74
12/24	1.716	2.036	2.160	2.470	2.720	1.916	43.59	51.71	54.86	62.74	69.09	48.67
15/30	2.184	2.504	2.628	2.938	3.188	2.384	55.47	63.60	66.75	74.63	80.98	60.55
18/36	2.652	2.972	3.096	3.406	3.656	2.852	67.36	75.49	78.64	86.51	92.86	72.44
22/44	3.276	3.596	3.720	4.030	4.280	3.476	83.21	91.34	94.49	102.36	108.71	88.29
25/50	3.744	4.064	4.188	4.498	4.748	3.944	95.10	103.23	106.38	114.25	120.60	100.18
28/56	4.212	4.532	4.656	4.966	5.216	4.412	106.98	115.11	118.26	126.14	132.49	112.06
30/60	4.524	4.844	4.968	5.278	5.528	4.724	114.91	123.04	126.19	134.06	140.41	119.99
36/72	5.460	5.780	5.904	6.214	6.464	5.660	138.68	146.81	149.96	157.84	164.19	143.76
43/86	6.552	6.872	6.996	7.306	7.556	6.752	166.42	174.55	177.70	185.57	191.92	171.50

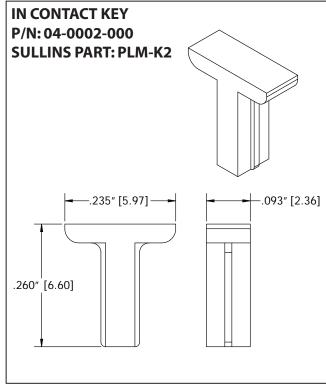


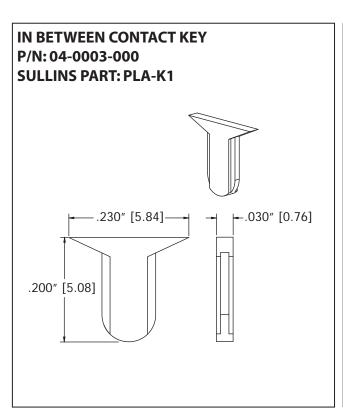
Polarizing Keys In Between Contact & In Contact

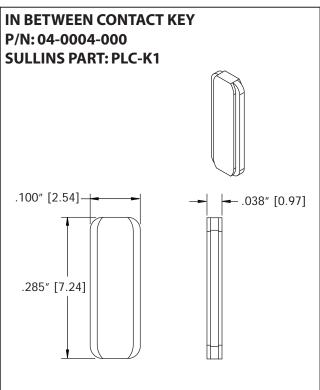


ALL KEYS ORDERED SEPARATELY











HOW TO LOCATE YOUR P/N:

Simply use your part number to find the correct pages containing specifications about your connector in this catalog. The underscore sign ($\underline{}$) is a variable representing design variations in the part number coding.

EXAMPLE: to find p/n **EBA10DCAS**, go to ___ A __ DCA _, pages 64-65 For Micro Plastics P/N's (beginning with EMP or MP) go to last page in index.

SULLINS CARD EDGE & HEADERS

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A CA _ A CB _ A CC _ A CK _ A DCKS288 A CM _ A DCMS288 A CS _ A DCSS288 A CT _ A DCTS288 A CT _	64-65 64-65 64-65 64-65 64-65 64-65 64-65 64-65 64-65
A RA _ A RAS734 A RE _ A DRES13 A RI _ S734 A RJ _ S734 A RM _ S273 A DRMS288 A DRMS664 A RS _ S273 A DRSS288 A RS _ S273 A DRSS288 A RS _ S273 A DRSS288 A RSS664 A RT _ A DRTS13 A RT _ S734 A RX _ A RX _ A RX _ A RX _ A RX _ A RY _ A RY _ A DRYS13 A RYS734	62-63 62-63 62-63 62-63 62-63 62-63 64-65 66-67 64-65 66-67 64-65 66-67 62-63 62-63 62-63 62-63 62-63 62-63 62-63 62-63
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BDHFS1648	20-21
BDHFS1763	20-21
BDHHC1649	20-21
B DHH _ B DHHS1648 B DHHS1763	20-21
BDHL _	20-21
B DHIC1649	-
BDHLS1648	20-21 20-21
BDHLS1763	-
BDHN	20-21
B DHNS1648 B DHNS1763	20-21
B DHR _ B DHRS1648 B DHRS1763	20-21
BDHRS1648	20-21
BDHRS1/63	20-21
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B56DHLS621	24-25
B56DHNS578	24-25
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B56DHRS578	24-25
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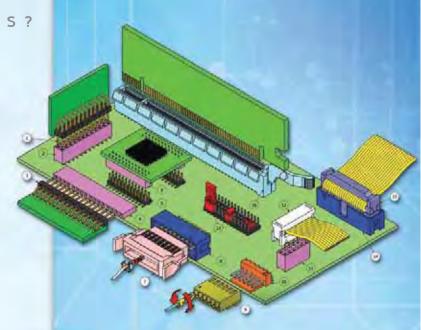
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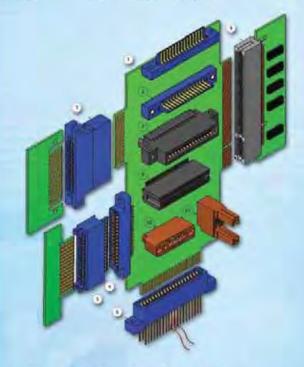
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1.3.5	Male Header
2.4.6.11	Female Header
7	Custom Wire Housing & Terminal
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9	Wire-to-board Housing & Terminal
10	Wafer Header
12	IDC Dip Plug
13	Shunt
15	IDC Socket
16	PCI Express Connector

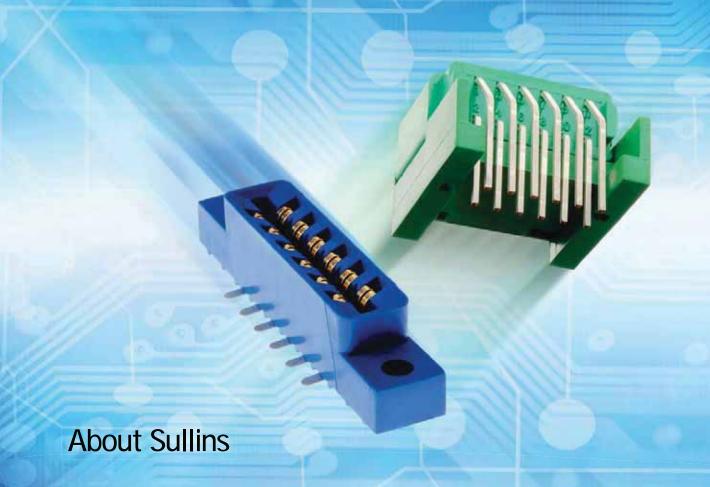


1.2.3.4.5.6 Card Edge Connector
7.8.9 High Density Card Edge Connector
10.11 Custom Connector









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USA HQ | 801 E Mission Rd, San Marcos, CA 92069, USA +1-760-744-0125 | fax +1-760-744-6081

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