

339/389 SERIES CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing (Bellows Contacts)



FEATURES

- ◆ CSA Approved and UL Recognized
- ◆ .100 (2.54) Contact Spacing x .200 (5.08) Row Spacing
- ◆ Accepts .062 (1.57) Nominal Thickness P.C. Board
- ◆ High Profile Insulator Body, .600 (15.24)
- ◆ Contact Termination Options include P.C. Tail, Wire Wrap, 90 Degree & Extender Board Bends
- ◆ Round P.C. Tails available to fit .036 (.091) diameter holes
- ◆ Single or Dual Row Configurations
- ◆ Large Variety of Mounting Options, Flush or Offset Lugs
- ◆ Pre-assembled Card Guides Available
- ◆ Accepts Between Contact and In-Contact Polarizing Keys
- ◆ Automatic Wire Wrap Positioning Holes

SPECIFICATIONS

- ◆ Insulator Material: Thermoplastic Polyester, UL 94V-0
- ◆ Contact Material: Ph. Bronze
- ◆ Contact Plating: Gold on the Mating Area, Tin-Lead on the Contact Tails, Nickel Underplate
- ◆ Current Rating: 3 Amperes Continuous
- ◆ Contact Resistance: 10 Milliohms Maximum
- ◆ Dielectric Withstanding Voltage: 1200 V AC rms at Sea Level Between Adjacent Contacts
- ◆ Insulation Resistance: 5000 Megohms Minimum
- ◆ Operating Temperature: -65 to +125 Degrees C
- ◆ Insertion Force: 16 oz (4.45 N) Maximum per Contact Pair when Tested with a .070 (1.78) Thick Gauge
- ◆ Withdrawal Force: 1 oz (0.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

339/389 SERIES ORDERING CODE

Example Part Number **339 - 050 - 520 - 2 02**

Series _____
Total Number of Contacts _____
Contact Code _____
Contact Rows and Insulator Style _____
Mounting Options _____

Series Insulator Colour

339 _____ Green
389 _____ Black

Total Number of Contacts ¹

005, 006,...072 _____ Contact Rows
010, 012,...144 _____ Single Row
Dual Row

Contact Code ^{2,3}	Description & Tail Size	Tail Length "G"
521	P.C. Tail .025 Square (0.64 Square)	.150 (3.81)
523	P.C. Tail .025 Square (0.64 Square)	.186 (4.72)
524	P.C. Tail .025 Square (0.64 Square)	.376 (9.55)
540	Wire Wrap .025 Square (0.64 Square)	.539 (13.69)
541	Wire Wrap .025 Square (0.64 Square)	.556 (14.12)
556	Extender Board Bend	
558	90 Degree Bend	
559	90 Degree Bend	
560	Extender Board Bend	

Contact Rows and Insulator Style

	Description
1	Single Row, Flush Mounting Lugs
2	Dual Row, Flush Mounting Lugs
4	Single Row, .110 (2.79) Offset Lugs
5	Dual Row, .110 (2.79) Offset Lugs
6	Single Row, .170 (4.32) Offset Lugs
8	Dual Row, .170 (4.32) Offset Lugs

Mounting Options ^{4,5}

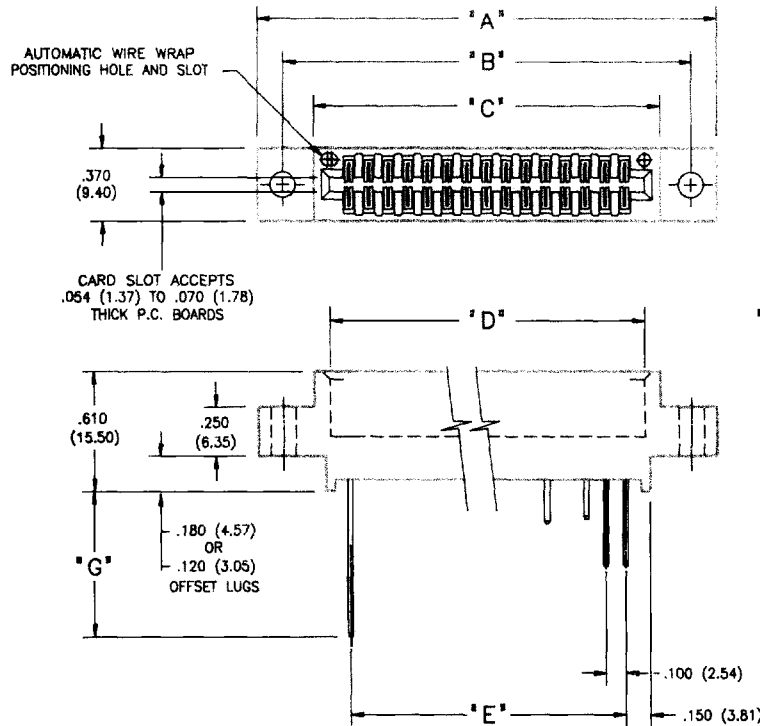
	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
12	.128 (3.25) Dia. Side Mounting Holes
58	.468 (11.89) Offset Card Guides
78	In-line Card Guides 2.750 (69.85) Long
88	In-Line Card Guides 1.250 (31.75) Long

Ordering Code Notes

- 1) All connector sizes up to 72 contacts single row / 144 contacts dual row are available upon request.
- 2) For details of the extender board and 90 degree bends, refer to page 74.
- 3) For lugless connectors, code 01 mounting, specify contact row codes 1 or 2.
- 4) For details of the mounting options, refer to page 76.

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SECTIONS THROUGH CONTACT POSITION

DUAL ROW

SINGLE ROW

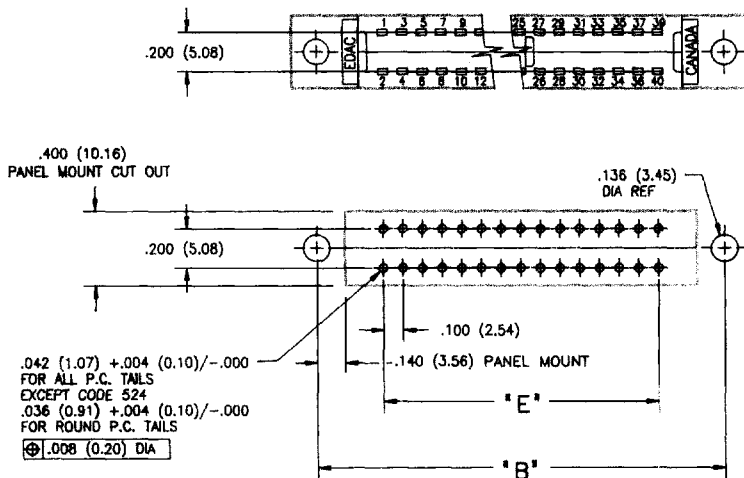


EVEN NUMBERED SIDE OF CONNECTOR (2, 4, 6, 8...)

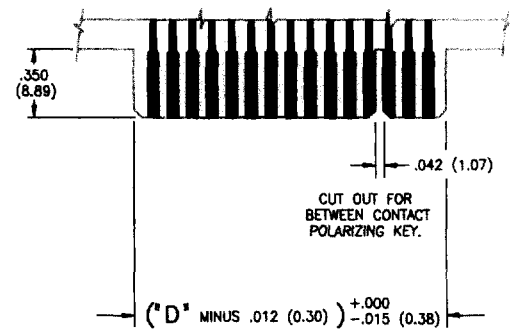
FLUSH MOUNTING LUGS

BETWEEN CONTACT POLARIZING KEY

P/N 345-240-318



CONNECTOR MOUNTING PATTERN



RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS		"A"		"B"		"C"		"D"		"E"	
Single	Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
5	10	1.335	(33.91)	1.075	(27.31)	.760	(19.30)	.600	(15.24)	.400	(10.16)
10	20	1.835	(46.61)	1.575	(40.01)	1.260	(32.00)	1.100	(27.94)	.900	(22.86)
13	26	2.135	(54.23)	1.875	(47.63)	1.560	(39.62)	1.400	(35.56)	1.200	(30.48)
15	30	2.335	(59.31)	2.075	(52.71)	1.760	(44.70)	1.600	(40.64)	1.400	(35.56)
18	36	2.635	(66.93)	2.375	(60.33)	2.060	(52.32)	1.900	(48.26)	1.700	(43.18)
22	44	3.035	(77.09)	2.775	(70.49)	2.460	(62.48)	2.300	(58.42)	2.100	(53.34)
25	50	3.335	(84.71)	3.075	(78.11)	2.760	(70.10)	2.600	(66.04)	2.400	(60.96)
30	60	3.835	(97.41)	3.575	(90.81)	3.260	(82.80)	3.100	(78.74)	2.900	(73.66)
31	62	3.935	(99.95)	3.675	(93.35)	3.360	(85.34)	3.200	(81.28)	3.000	(76.20)
36	72	4.435	(112.65)	4.175	(106.05)	3.860	(98.04)	3.700	(93.98)	3.500	(88.90)
43	86	5.135	(130.43)	4.875	(123.83)	4.560	(115.82)	4.400	(111.76)	4.200	(106.68)
50	100	5.835	(148.21)	5.575	(141.61)	5.260	(133.60)	5.100	(129.54)	4.900	(124.46)
60	120	6.835	(173.61)	6.575	(167.01)	6.260	(159.00)	6.100	(154.94)	5.900	(149.86)
72	144	8.035	(204.09)	7.775	(197.49)	7.460	(189.48)	7.300	(185.42)	7.100	(180.34)

Dimensions of Other Connector Sizes are Listed on Page 80