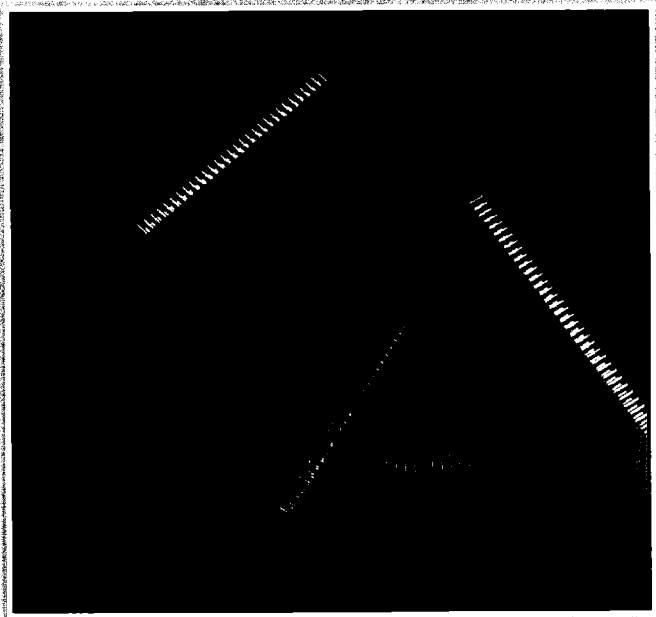


345 SERIES CARD EDGE CONNECTOR

(.100 (2.54mm) Contact Spacing)



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 Hole, Wire Wrap, 90 Degree & Extender Board Bends
- 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: Copper, Nickel, Tin Alloy CA-725
- ◆ 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

345 SERIES ORDERING CODE

Example Part Number **345 - 050 - 520 - 2 02**

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

Series	Insulator Colour
345	Green
395	Black

Total Number of Contacts ¹	Contact Rows
005, 006,...072	Single Row
010, 012,...144	Dual Row

Contact Code ^{2,3}	Description & Tail Size	Tail Length "G"
500	Wire Hole .050 x .025 (1.27 x 0.64)	.260 (6.60)
520	P.C. Tail .030 x .018 (0.76 x 0.46)	.175 (4.45)
521	P.C. Tail .025 Square (0.64 Square)	.150 (3.81)
523	P.C. Tail .025 Square (0.64 Square)	.390 (9.91)
524	P.C. Tail .018 Square (0.46 Square)	.175 (4.45)
540	Wire Wrap .025 Square (0.64 Square)	.560 (14.22)
541	Wire Wrap .025 Square (0.64 Square)	.750 (19.05)
542	Wire Wrap .025 Square (0.64 Square)	.645 (16.38)
544	Wire Wrap .050 x .025 (1.27 x 0.64)	.750 (19.05)
555	Extender Board Bend (Code 500 Contacts)	
556	Extender Board Bend (Code 520 Contacts)	
558	90 Degree Bend (Code 541 Contacts)	
559	90 Degree Bend (Code 541 Contacts)	
560	Extender Board Bend (Code 523 Contacts)	

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

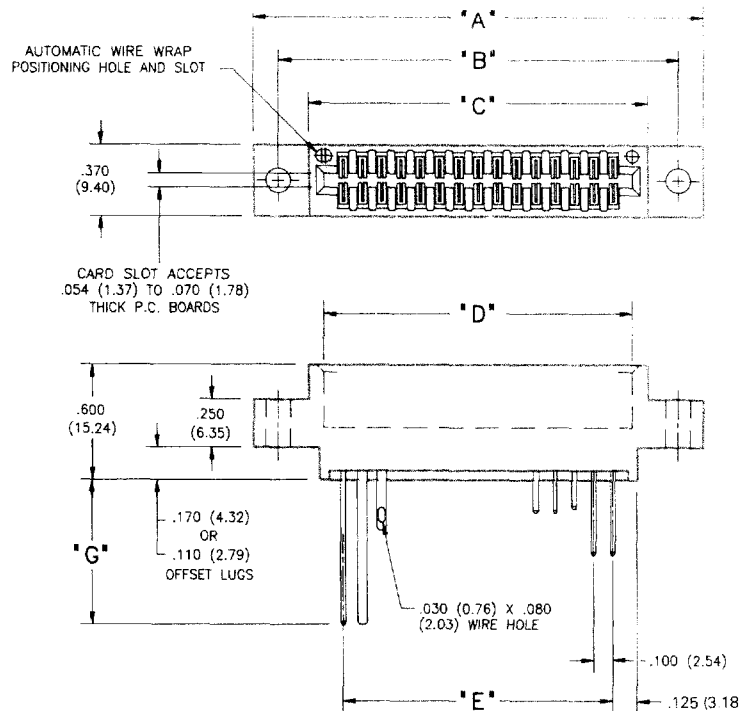
Mounting Options ^{4,5}	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
12	.128 (3.25) Dia. Side Mounting Holes
58	.468 (11.89) Offset Card Guides
78	In-Line Card Guides 2.750 (69.85) Long
88	In-Line Card Guides 1.250 (31.75) Long

Ordering Code Notes

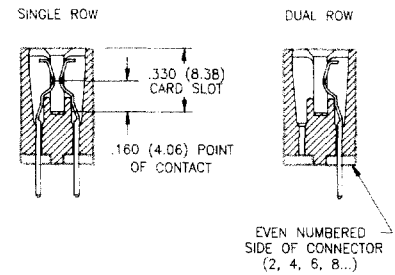
- 1) All connector sizes up to 72 contacts single row / 144 contacts dual row are available upon request.
- 2) The 500 contact code is only available in the 345 series. Green polyphenylene sulphide insulator material will be supplied.
- 3) For details of the extender board and 90 degree bends, refer to page 74.
- 4) For lugless connectors, code 01 mounting, specify contact row codes 1 or 2.
- 5) For details of the mounting options, refer to page 76.

CARD EDGE CONNECTOR SERIES 345-240

Contact Spacing: .100" (2.54mm)



SECTIONS THROUGH CONTACT POSITION



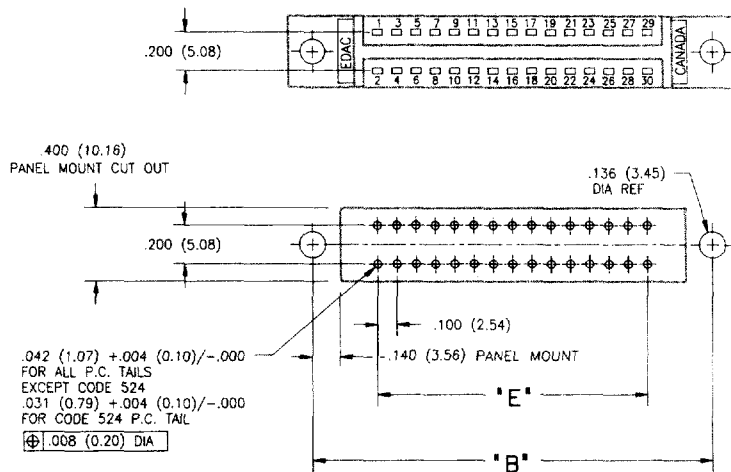
IN-CONTACT POLARIZING KEY

P/N 345-240-328

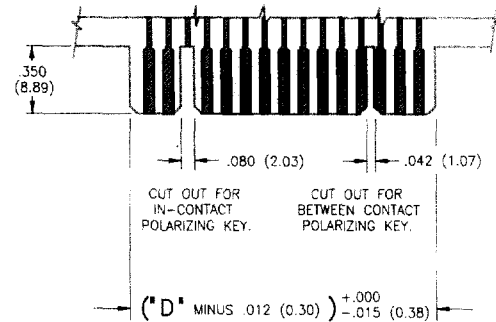


BETWEEN CONTACT POLARIZING KEY

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