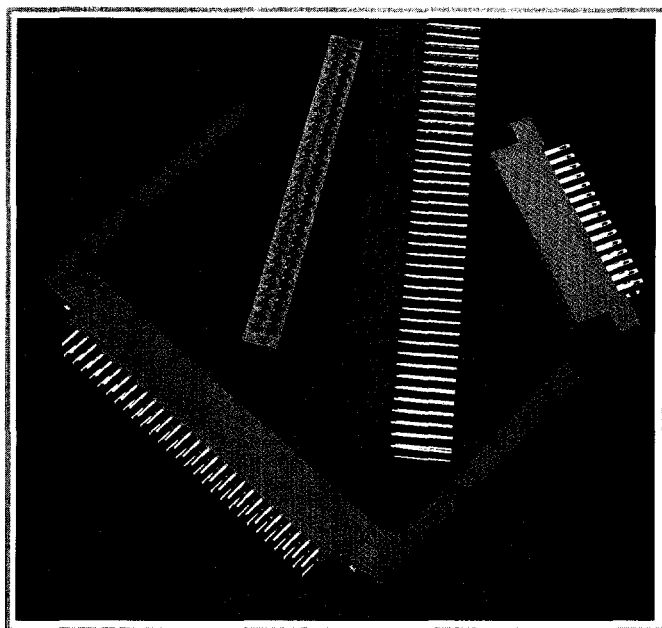


346/396 SERIES CARD EDGE CONNECTOR

.125" (3.18mm) Contact Spacing



FEATURES

- CSA Approved and UL Recognized
- .125 (3.18) Contact Spacing x .250 (6.35) 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, .025 (0.64) Square 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: 1500 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

346/396 SERIES ORDERING CODE

Example Part Number **346 - 056 - 540 - 8 02**

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

Series	Insulator Colour
346	Green
396	Black

Total Number of Contacts ¹	Contact Rows
005, 006, ..., 050	Single Row
010, 012, ..., 100	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 .025 Square (0.64 Square)	.175 (4.45)
521	P.C. Tail .025 Square (0.64 Square)	.150 (3.81)
522	P.C. Tail .025 Square (0.64 Square)	.440 (11.18)
526	P.C. Tail .025 Square (0.64 Square)	.350 (8.89)
540	Wire Wrap .025 Square (0.64 Square)	.560 (14.22)
541	Wire Wrap .025 Square (0.64 Square)	.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 526 Contacts)	

Contact Rows and Insulator Style ⁴	Description
1	Single Row, Flush Mounting Lugs
2	Dual Row, Flush Mounting Lugs
6	Single Row, .170 (4.32) Offset Lugs
8	Dual Row, .170 (4.32) Offset Lugs

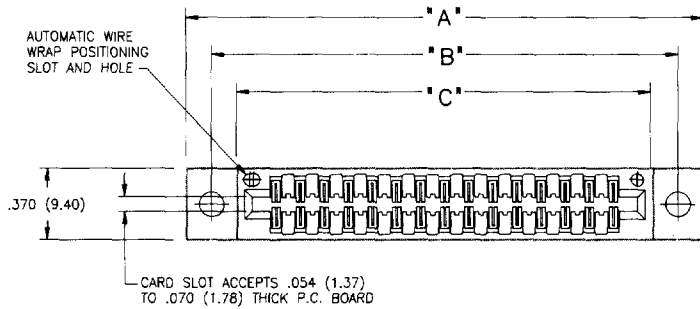
Mounting Options ^{5,6,7}	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
12	.128 (3.25) Dia. Side Mounting Holes
58	.468 (11.89) Offset Card Guides
78	In-Line Card Guides

Ordering Code Notes

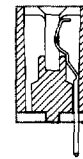
- 1) All connector sizes up to 50 contacts single row / 100 contacts dual row are available upon request.
- 2) The 500 contact code is only available in the 346 series. Green polyphenylene sulphide insulator material will be supplied.
- 3) For details of the extender board and 90 degree bends, refer to page 74.
- 4) Consult with Edac regarding connectors with a .420 (10.67) card slot depth.
- 5) For lugless connectors, code 01 mounting, specify contact row codes 1 or 2.
- 6) In-line card guides are only available with offset mounting lugs.
- 7) For details of the mounting options, refer to page 76.

CARD EDGE CONNECTOR SERIES 345-318

Contact Spacing: 125 (3.18)

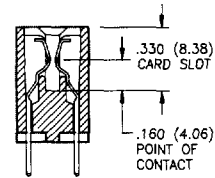
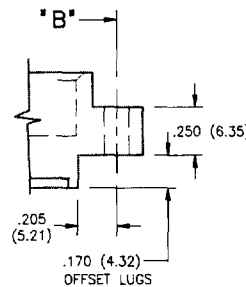
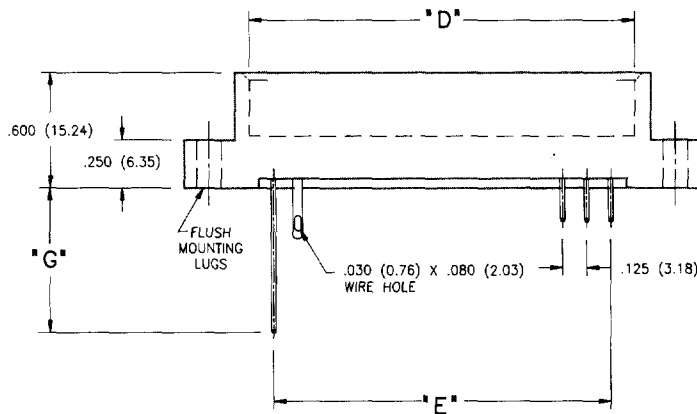


SECTIONS THROUGH CONTACT POSITION



EVEN NUMBERED SIDE OF CONNECTOR

SINGLE ROW



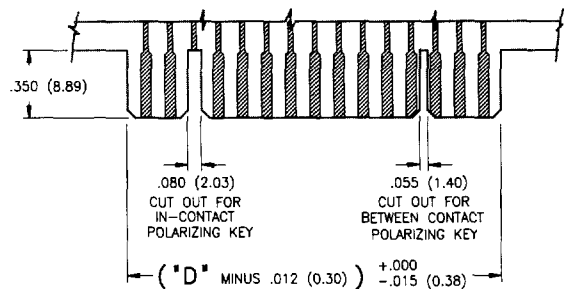
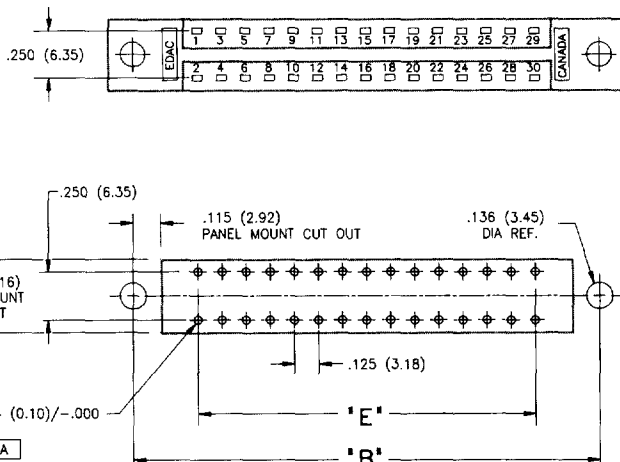
DUAL ROW

IN-CONTACT POLARIZING KEY

P/N 345-240-328

BETWEEN CONTACT POLARIZING KEY

P/N 306-240-318



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	1.435	(36.45)	1.170	(29.72)	.910	(23.11)	.750	(19.05)	.500	(12.70)
6	12	1.560	(39.62)	1.295	(32.89)	1.035	(26.29)	.875	(22.23)	.625	(15.88)
10	20	2.060	(52.32)	1.795	(45.59)	1.535	(38.99)	1.375	(34.93)	1.125	(28.58)
15	30	2.685	(68.20)	2.420	(61.47)	2.160	(54.86)	2.000	(50.80)	1.750	(44.45)
18	36	3.060	(77.72)	2.795	(70.99)	2.535	(64.39)	2.375	(60.33)	2.125	(53.98)
22	44	3.560	(90.42)	3.295	(83.69)	3.035	(77.09)	2.875	(73.03)	2.625	(66.68)
25	50	3.935	(99.95)	3.670	(93.22)	3.410	(86.61)	3.250	(82.55)	3.000	(76.20)
30	60	4.560	(115.82)	4.295	(109.09)	4.035	(102.49)	3.875	(98.43)	3.625	(92.08)
31	62	4.685	(119.00)	4.420	(112.27)	4.160	(105.66)	4.000	(101.60)	3.750	(95.25)
35	70	5.185	(131.70)	4.920	(124.97)	4.660	(118.36)	4.500	(114.30)	4.250	(107.95)
36	72	5.310	(134.87)	5.045	(128.14)	4.785	(121.54)	4.625	(117.48)	4.375	(111.13)
40	80	5.810	(147.57)	5.545	(140.84)	5.285	(134.24)	5.125	(130.18)	4.875	(123.83)
43	86	6.185	(157.10)	5.920	(150.37)	5.660	(143.76)	5.500	(139.70)	5.250	(133.35)
50	100	7.060	(179.32)	6.795	(172.59)	6.535	(165.99)	6.375	(161.93)	6.125	(155.58)

Dimensions of Other Connector Sizes are Listed on Page 84