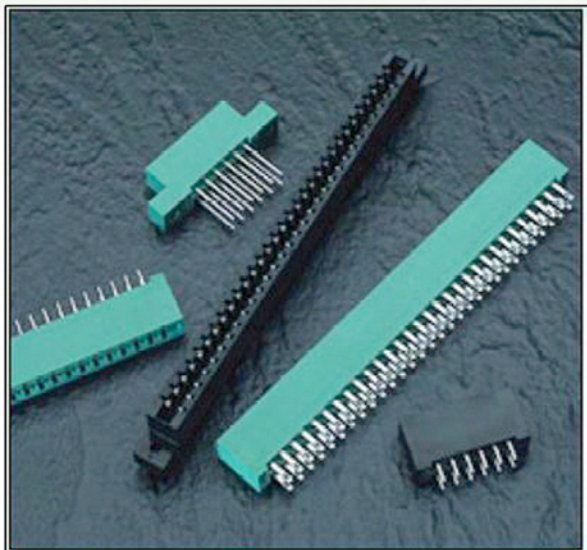




SERIES 345/395



FEATURES

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 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 +105 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 (.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

Example Part Number 345 - 050 - 520 - 2 02

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

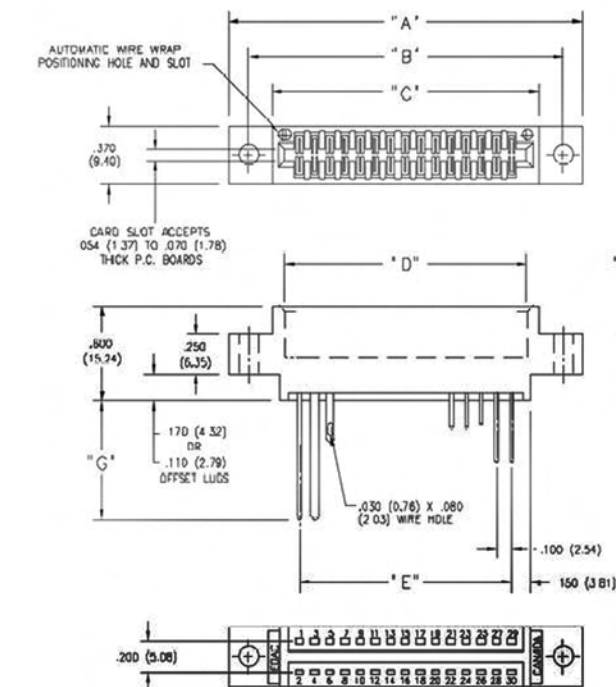
Series	Insulator Colour	
345	Green	
395	Black	
Total Number of Contacts		Contact Rows
005, 006, ..., 072		Single Row
010, 012, ..., 144		Dual Row
Contact Code	Description & Tail Size	Tail Length "G"
500	Wire Hole .050 x .025 (1.27 x 0.64)	.260 (6.60)
520	P.C. Tail .030 x .018 (0.76 x 0.46)	.175 (4.45)
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	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

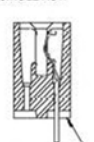
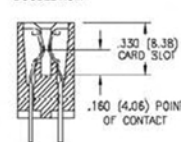
- 1) All connector sizes up to 72 contacts single row / 144 contacts dual row are available upon request
- 2) The 500 contact code is only available in the 345 series. Diallyl Phthalate insulator material will be supplied
- 3) For lugless connectors, code 01 mounting, specify contact rows codes 1 or 2



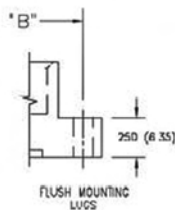
SECTIONS THROUGH CONTACT POSITION

DOUBLE ROW

SINGLE ROW



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



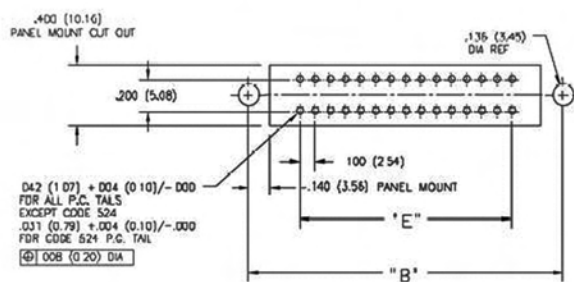
IN-CONTACT POLARIZING KEY

P/N 345-240-328

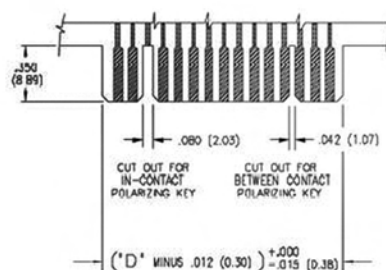


BETWEEN CONTACT POLARIZING KEY

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)	1.200	(30.48)	1.100	(27.94)	.900	(22.86)
12	26	2.125	(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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

EDAC:

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