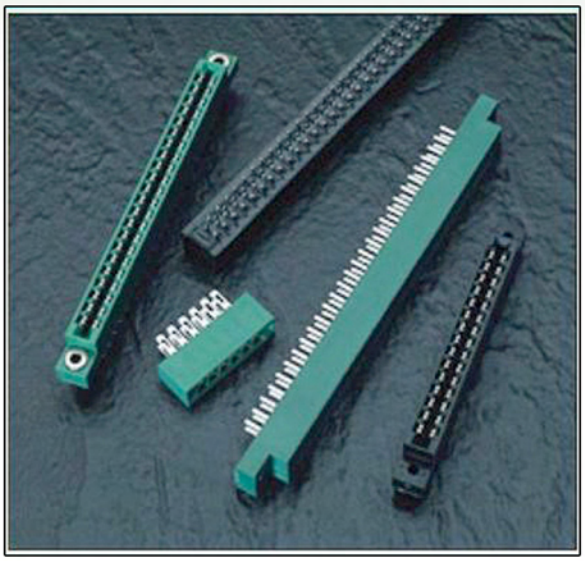
SERIES 305/315/355



FEATURES

UL Recognized

.156 (3.96) Contact Spacing x .140 (3.56) Row Spacing

Accepts .062 (1.57) Nominal Thickness P.C. Board

Low Profile Insulator Body, .460 (11.68)

Contact Termination Options include P.C. Tail, Wire Hole & Extender Board Bends

Large Variety of Mounting Options

Pre-assembled Card Guides Available

Accepts Between Contact and In-Contact Polarizing Keys

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: 5 Amperes Continuous

Contact Resistance: 10 Milliohms Maximum

Dielectric Withstanding Voltage: 1800 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 305 - 056 - 521 - 2 04

Series
Total Number of Contacts
Contact Code
Insulator Style
Mounting Options

Series	Insulator Colour	Card Slot Length
305	Green	Standard Length per MIL-C-21097
315	Green	.020 (0.51) Shorter than Standard
355	Black	Standard Length per MIL-C-21097

Total Number of Contacts	Contact Rows
012, 014, ..., 086	Dual Row

Contact Code		Description & Tail Size	Tail Length "G"
500	Wire Hole	.087 x .013 (2.21 x 0.33)	.282(7.16)
520	P.C. Tail	.046 x .013 (1.17 x 0.33)	.213(5.41)
521	P.C. Tail	.046 x .013 (1.17 x 0.33)	.125(3.18)
555	Extender Board Bend (Code 500 Contacts)		
556	Extender Board Bend (Code 520 Contacts)		

Insulator Style	Description
2	.295 (7.49) Card Slot Depth
5	.330 (8.38) Card Slot Depth

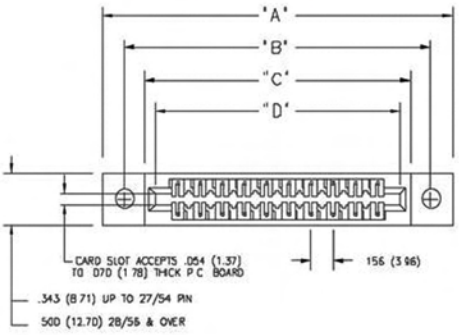
Mounting Options	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
58	.468 (11.89) Offset Card Guides
68	.344 (8.74) Offset Card Guides
78	In-Line Card Guides

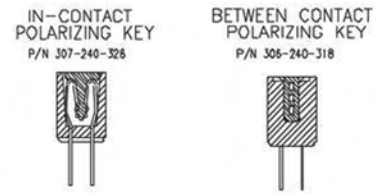
Ordering Code Notes

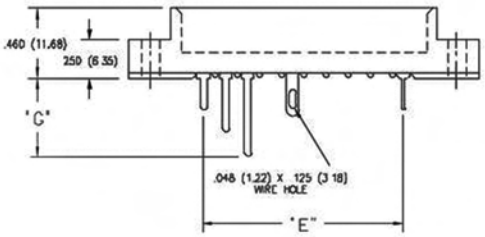
1) All connector sizes up to 86 contacts dual row are available upon request
2) Consult with EDAC regarding single row configuration and wire wrap tail options
3) Insulator style code 5 is available for the 305 and 355 series upon request

Phone: (416) - 754 - 3322 Fax: (416) - 754 - 3299 Email: CustomerService@edac.net Website: www.edac.net

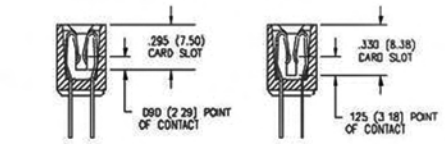
SERIES 305/315/355





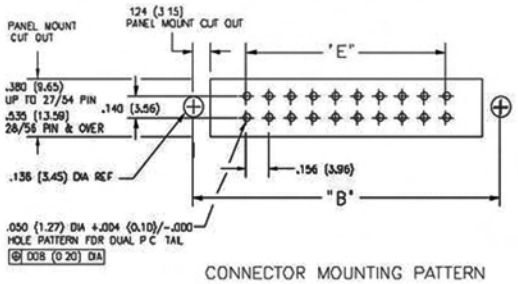


SECTIONS THROUGH CONTACT POSITION

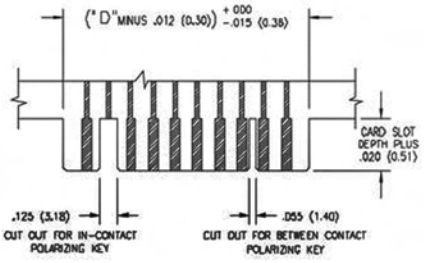


INSULATOR STYLE CODE 2

INSULATOR STYLE CODE 5



CONNECTOR MOUNTING PATTERN



RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS	"A"		"B"		"C"		"D"				"E"	
							305, 355		315			
Dual	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
12	1.842	(46.79)	1.532	(38.91)	1.246	(31.65)	1.100	(27.94)	1.080	(27.43)	.780	(19.81)
20	2.466	(62.64)	2.156	(54.76)	1.870	(47.50)	1.724	(43.79)	1.704	(43.28)	1.404	(35.66)
24	2.778	(70.56)	2.468	(62.69)	2.182	(55.42)	2.036	(51.71)	2.016	(51.21)	1.716	(43.59)
30	3.246	(82.45)	2.936	(74.57)	2.650	(67.31)	2.504	(63.60)	2.484	(63.09)	2.184	(55.47)
36	3.714	(94.34)	3.404	(86.46)	3.118	(79.20)	2.972	(75.49)	2.952	(74.98)	2.652	(67.36)
44	4.338	(110.19)	4.028	(102.31)	3.742	(95.05)	3.596	(91.34)	3.576	(90.83)	3.276	(83.21)
48	4.650	(118.11)	4.340	(110.24)	4.054	(102.97)	3.908	(99.26)	3.888	(98.76)	3.588	(91.14)
50	4.806	(122.07)	4.496	(114.20)	4.210	(106.93)	4.064	(103.23)	4.044	(102.72)	3.744	(95.10)
56	5.274	(133.96)	4.964	(126.09)	4.678	(118.82)	4.532	(115.11)	4.512	(114.60)	4.212	(106.98)
60	5.586	(141.88)	5.276	(134.01)	4.990	(126.75)	4.844	(123.04)	4.824	(122.53)	4.524	(114.91)
72	6.522	(165.66)	6.212	(157.78)	5.926	(150.52)	5.780	(146.81)	5.760	(146.30)	5.460	(138.68)
86	7.614	(193.40)	7.304	(185.52)	7.018	(178.26)	6.872	(174.55)	6.852	(174.04)	6.552	(166.42)

Dimensions of Other Connector Sizes are Listed