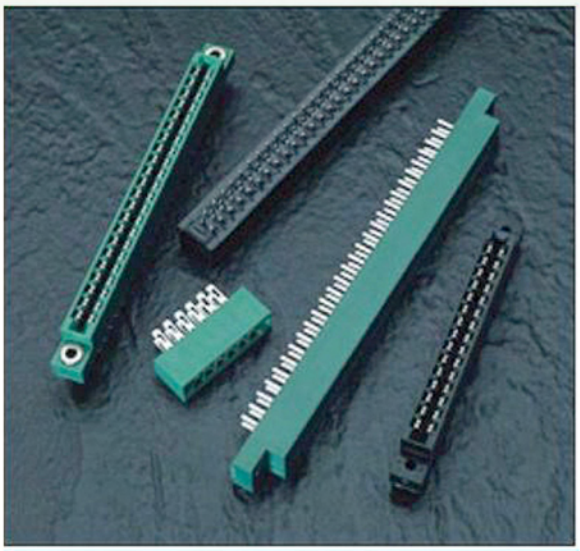
SERIES 306/316/356



Example Part Number 306 - 022 - 521 - 178

- Series
- Total Number of Contacts
- Contact Code
- Mounting Options

Series	Insulator Colour	Card Slot Length
306	Green	Standard Length per MIL-C-21097
316	Green	.020 (0.51) Shorter than Standard
356	Black	Standard Length per MIL-C-21097

Total Number of Contacts	Contact Row
006, 007, ... 043	Centre Row

Contact Code	Description & Tail Size	Tail Length "G"
500	Wire Hole .087 x .015 (2.21 x 0.38)	.282 (7.16)
520	P.C. Tail .046 x .015 (1.17 x 0.38)	.213 (5.41)
521	P.C. Tail .037 x .015 (0.94 X 0.38)	.125 (3.18)

Mounting Option	Description
101	No Mounting Lugs
102	.128 (3.25) Dia. Mounting Holes
103	.116 (2.95) I.D. Floating Eyelets
104	.156 (3.96) Dia. Mounting Holes
107	M3-0.5 Metric Threaded Inserts
108	#4-40 Unified Threaded Inserts
158	.468 (11.89) Offset Card Guides
168	.344 (8.74) Offset Card Guides
178	In-Line Card Guides

Ordering Code Notes

1) All connector sizes up to 43 contacts centre row are available upon request
2) For contacts with overall tin plating, change the first digit of the contact code from 5 to 4

FEATURES

UL Recognized

.156 (3.96) Contact Spacing with Single Row

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

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 when Tested with a .070 (1.78) Thick Gauge

Withdrawl Force: 1 oz (0.28 N) Minimum per Contact when Tested with a .054 (1.37) Thick Gauge

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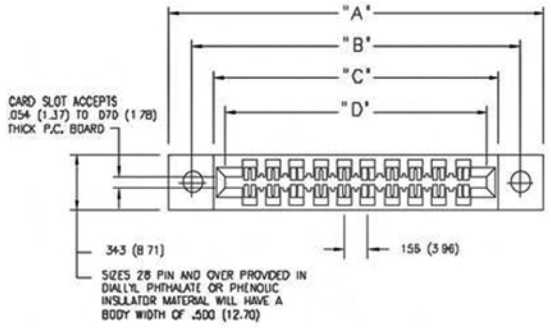
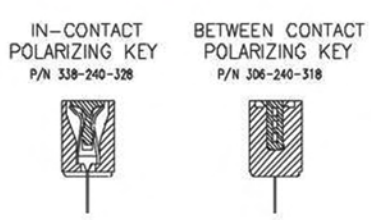
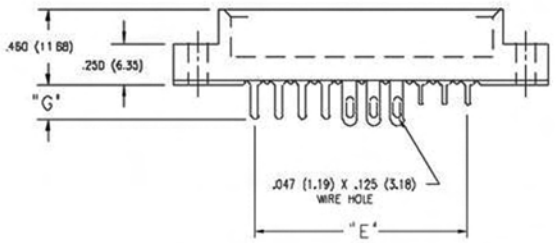
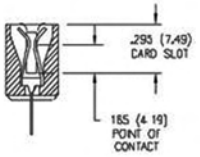
SERIES 306/316/356

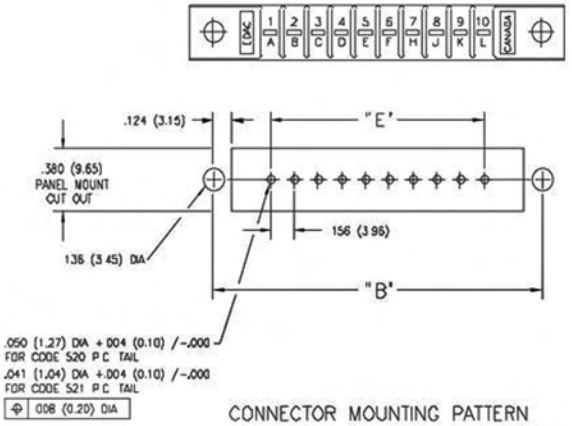




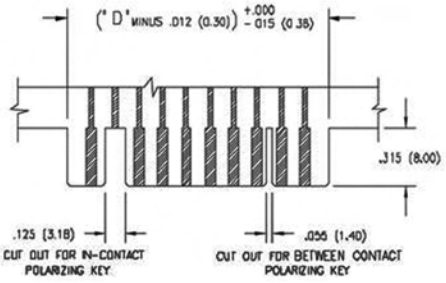




SECTION THROUGH CONTACT POSITION



CONNECTOR MOUNTING PATTERN



RECOMMENDED DAUGHTER BOARD

NUMBER OF CONTACTS	"A"		"B"		"C"		"D"				"E"	
							306, 356		316			
Single	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
6	1.842	(46.79)	1.532	(38.91)	1.246	(31.65)	1.100	(27.94)	1.080	(27.43)	.780	(19.81)
8	2.154	(54.71)	1.844	(46.84)	1.558	(39.57)	1.412	(35.86)	1.392	(35.36)	1.092	(27.74)
10	2.466	(62.64)	2.156	(54.76)	1.870	(47.50)	1.724	(43.79)	1.704	(43.28)	1.404	(35.66)
12	2.778	(70.56)	2.468	(62.69)	2.182	(55.42)	2.036	(51.71)	2.016	(51.21)	1.716	(43.59)
15	3.246	(82.45)	2.936	(74.57)	2.650	(67.31)	2.504	(63.60)	2.484	(63.09)	2.184	(55.47)
18	3.714	(94.34)	3.404	(86.46)	3.118	(79.20)	2.972	(75.49)	2.952	(74.98)	2.652	(67.36)
22	4.338	(110.19)	4.028	(102.31)	3.742	(95.05)	3.596	(91.34)	3.576	(90.83)	3.276	(83.21)
25	4.806	(122.07)	4.496	(114.20)	4.210	(106.93)	4.064	(103.23)	4.044	(102.72)	3.744	(95.10)
28	5.274	(133.96)	4.964	(126.09)	4.678	(118.82)	4.532	(115.11)	4.512	(114.60)	4.212	(106.98)
30	5.586	(141.88)	5.276	(134.01)	4.990	(126.75)	4.844	(123.04)	4.824	(122.53)	4.524	(114.91)
36	6.522	(165.66)	6.212	(157.78)	5.926	(150.52)	5.780	(146.81)	5.760	(146.30)	5.460	(138.68)
40	7.146	(181.51)	6.836	(173.63)	6.550	(166.37)	6.404	(162.66)	6.384	(162.15)	6.084	(154.53)
43	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

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