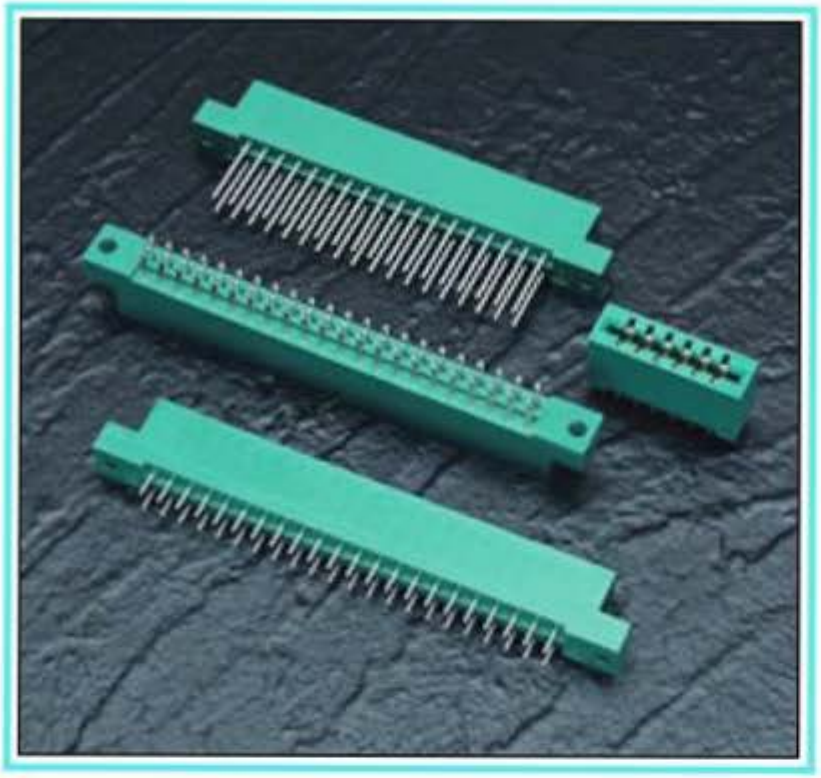
333 SERIES CARD EDGE CONNECTOR

.156" (3.96mm) Contact Spacing



FEATURES

- .156 (3.96) 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
- Variety of Mounting Options, Flush or Offset Lugs
- Accepts Between Contact and In-Contact Polarizing Keys

SPECIFICATIONS

- Insulator Material: Thermoplastic Polyester, UL 94V-0, Colour: Green
- 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: 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 (0.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

333 SERIES ORDERING CODE

Example Part Number 333 - 044 - 520 - 2 04

- **Series** — 333
- **Total Number of Contacts** — 044
- **Contact Code** — 520
- **Contact Rows and Insulator Style** — 2
- **Mounting Options** — 04

Series 333

Total Number of Contacts [1]	Description
006, 007,...043	Single Row
012, 014,...086	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
6	Single Row, .170 (4.32) Offset Lugs
8	Dual Row, .170 (4.32) Offset Lugs

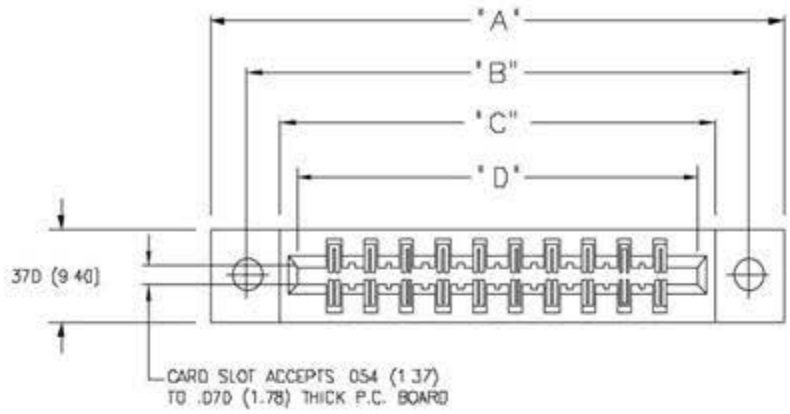
Mounting Options [4,5]	Description
01	No Mounting Lugs
02	.128 (3.25) Dia. Mounting Holes
03	.116 (2.95) I.D. Floating Eyelets
04	.156 (3.96) Dia. Mounting Holes
07	M3-0.5 Metric Threaded Inserts
08	#4-40 Unified Threaded Inserts
12	.128 (3.25) Dia. Side Mounting Holes

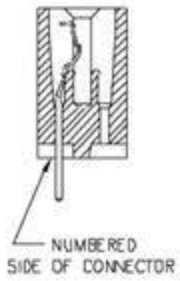
Ordering Code Notes

1) All connector sizes up to 43 contacts single row / 86 contacts dual row are available upon request.
2) When the 500 contact code is ordered, green polyphenylene sulphide insulator material will be supplied.
3) For details of the extender board and 90 degree bends, refer to page 61.
4) For lugless connectors, code 01 mounting, specify contact row codes 1 or 2.
5) For details of the mounting options, refer to page 63.

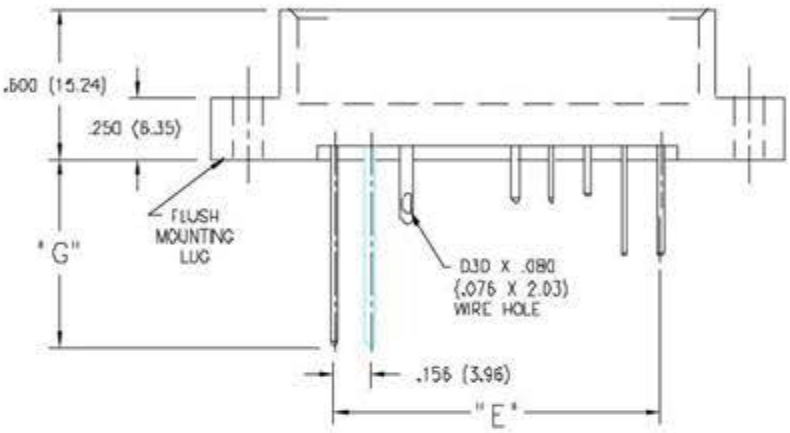
CARD EDGE CONNECTOR SERIES 333

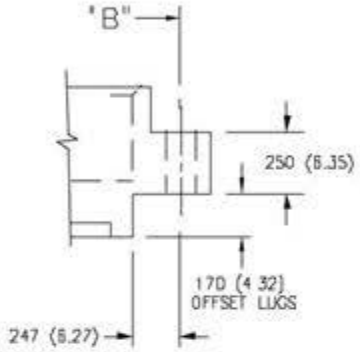
Contact Spacing .156" (3.96mm)

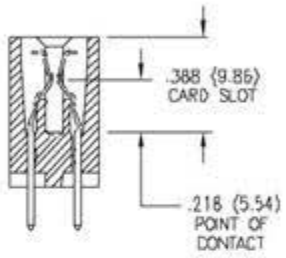




SINGLE ROW







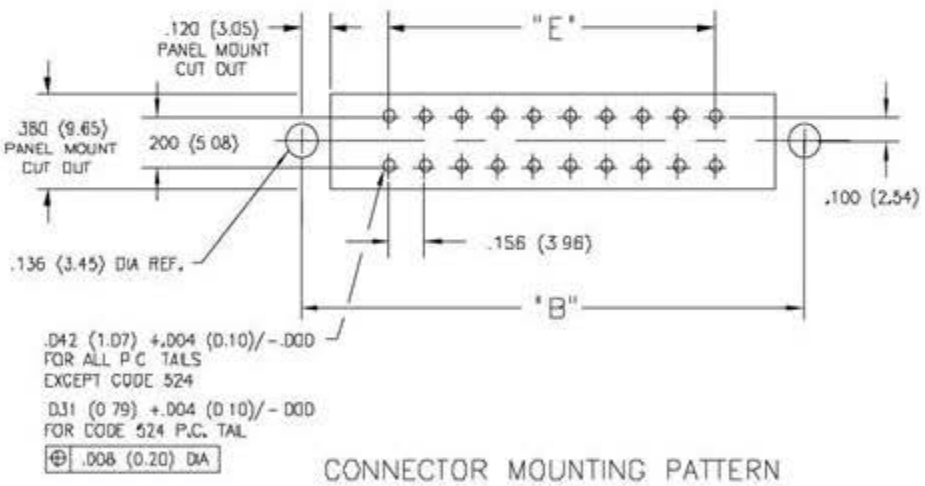
DUAL ROW

IN–CONTACT
POLARIZING KEY

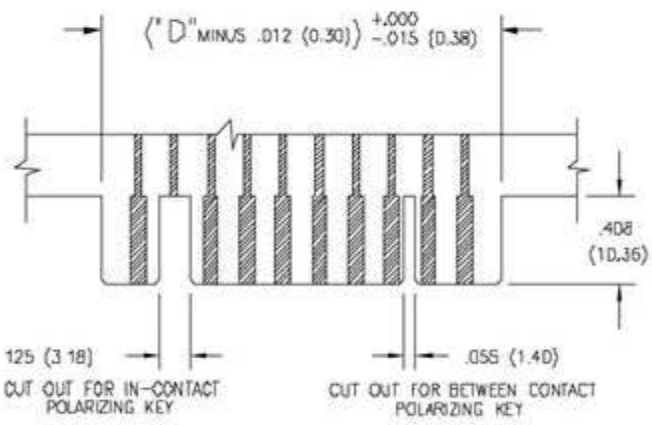
P/N 345-240-328

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)
6	12	1.784	(45.31)	1.534	(38.96)	1.261	(32.03)	1.100	(27.94)	.780	(19.81)
10	20	2.408	(61.16)	2.158	(54.81)	1.885	(47.88)	1.724	(43.79)	1.404	(35.66)
15	30	3.188	(80.98)	2.938	(74.63)	2.665	(67.69)	2.504	(63.60)	2.184	(55.47)
18	36	3.656	(92.86)	3.406	(86.51)	3.133	(79.58)	2.972	(75.49)	2.652	(67.36)
22	44	4.280	(108.71)	4.030	(102.36)	3.757	(95.43)	3.596	(91.34)	3.276	(83.21)
28	56	5.216	(132.49)	4.966	(126.14)	4.693	(119.20)	4.532	(115.11)	4.212	(106.98)
36	72	6.464	(164.19)	6.214	(157.84)	5.941	(150.90)	5.780	(146.81)	5.460	(138.68)
37	74	6.620	(168.15)	6.370	(161.80)	6.097	(154.86)	5.936	(150.77)	5.616	(142.65)
43	86	7.556	(191.92)	7.306	(185.57)	7.033	(178.64)	6.872	(174.55)	6.552	(166.42)

Dimensions of Other Connector Sizes are Listed