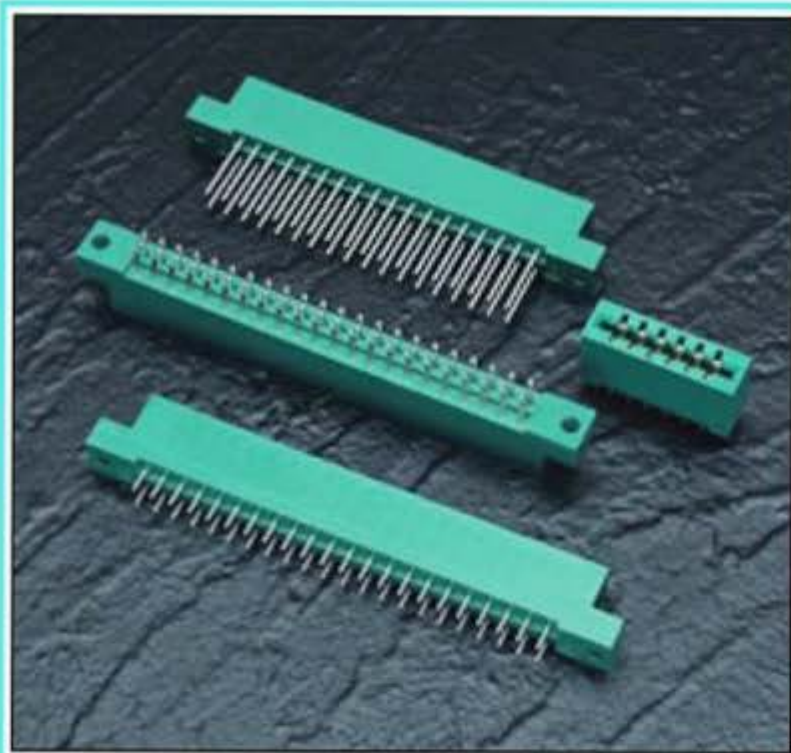


# 333 SERIES CARD EDGE CONNECTOR

.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 \_\_\_\_\_  
 Total Number of Contacts \_\_\_\_\_  
 Contact Code \_\_\_\_\_  
 Contact Rows and Insulator Style \_\_\_\_\_  
 Mounting Options \_\_\_\_\_

Series 333

| Total Number of Contacts <sup>1</sup> | Description |
|---------------------------------------|-------------|
| 006, 007, ..., 043                    | Single Row  |
| 012, 014, ..., 086                    | Dual Row    |

| Contact Code <sup>2,3</sup> | 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 <sup>4,5</sup> | 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 |

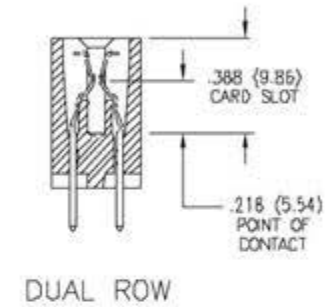
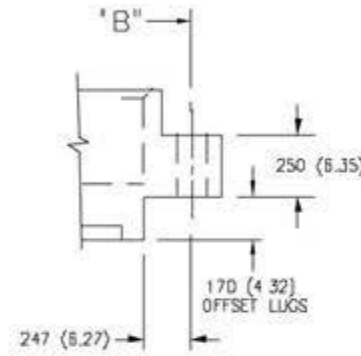
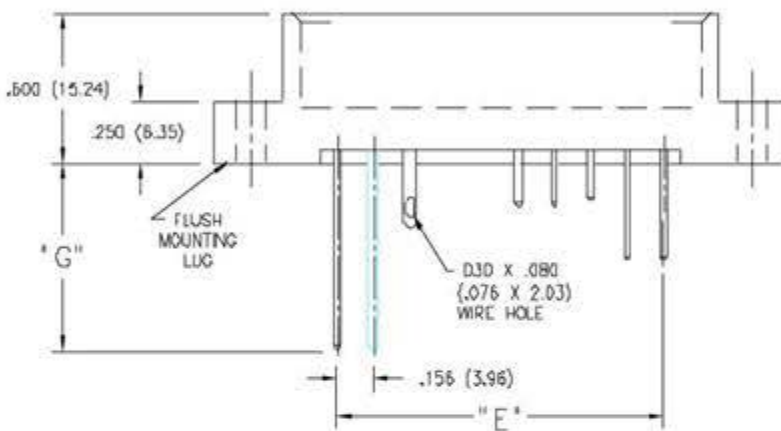
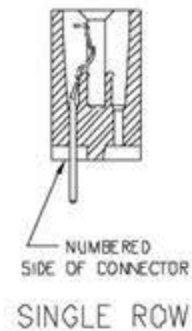
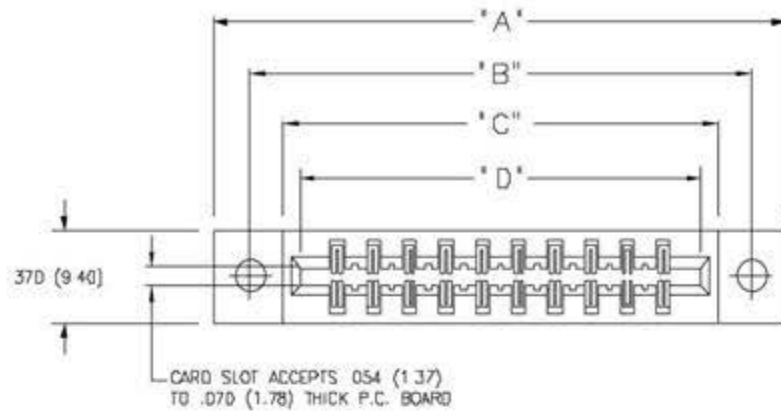
## Ordering Code Notes

- 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.



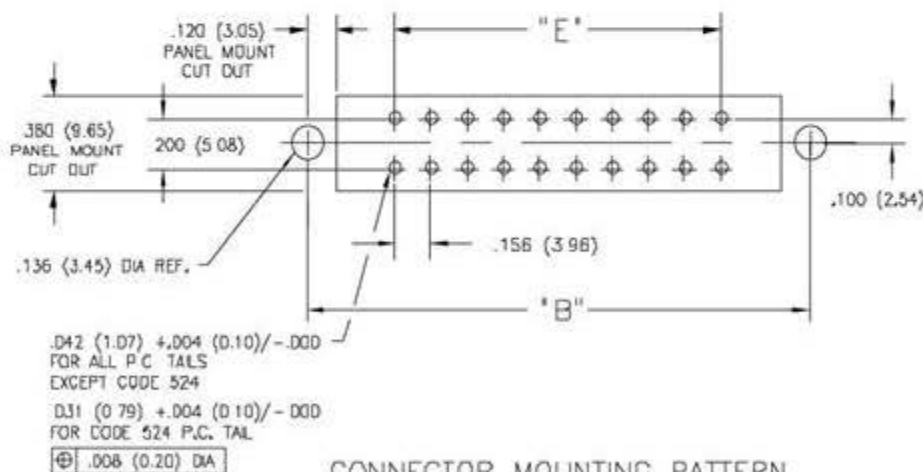
# CARD EDGE CONNECTOR SERIES 333

Contact Spacing .156" (3.96mm)

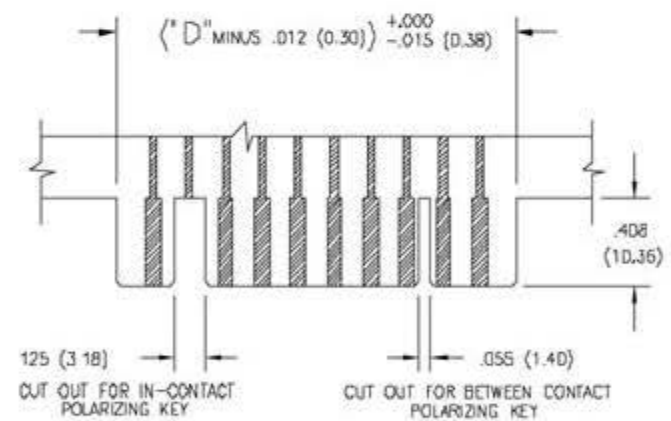


IN-CONTACT  
POLARIZING KEY  
P/N 345-240-328

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