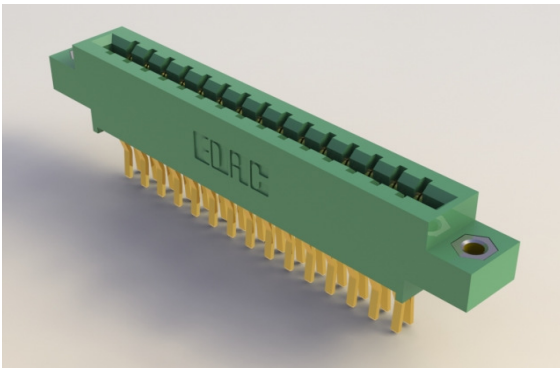




## 333 SERIES



Card Edge Connector 0.156" (3.96mm) Pitch



### FEATURES:

- .156" (3.96mm) Contact Spacing x .200" (5.08mm) Row Spacing
- Accepts .062" (1.57mm) Nominal Thickness P.C. Board
- High Profile Insulator Body, .600" (15.24mm)
- Card Slot Depth of .388" (9.86mm)
- Contact Termination Options include P.C. Tail, Wire Hole, Wire Wrap, 90 Degree and Extender Board Bends
- Single or Dual Row Configurations
- Large Variety of Mounting Options, Flush or Offset Lugs
- Accepts between Contact and In-Contact Polarizing Keys
- RoHS Compliant

### Specifications:

|                              |                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------|
| Insulator Material           | UL 94V-0 Thermoplastic Polyester, Green Color                                          |
| Contact Material             | Copper Alloy                                                                           |
| Contact Plating              | Gold Plating on mating area and Tin Plating on tails with Nickel underplating all over |
| Current Rating               | 3 Amperes                                                                              |
| Contact Resistance           | 10 milliohms maximum                                                                   |
| Dielectric Withstand Voltage | 1800 VAC rms at sea level between adjacent contacts                                    |
| Insulation Resistance        | 5000 Megohms minimum                                                                   |
| Operating Temperature        | -40°C to +105°C                                                                        |
| Insertion Force              | 16oz (4.45N) maximum per contact pair when tested with .070" (1.78mm) thick gauge      |
| Withdrawal Force             | 1oz (0.28N) minimum per contact pair when tested with .054" (1.37mm) thick gauge       |

Example Part Number: **333-044-520-204**

Series \_\_\_\_\_

Total Number of Contacts \_\_\_\_\_

Contact Code \_\_\_\_\_

Contact Rows and Insulator Style \_\_\_\_\_

Mounting Options \_\_\_\_\_

**Series:** 333

| Total Number of Contacts: | Contact Rows |
|---------------------------|--------------|
| 006, 007, . . . . 043     | Single Row   |
| 012, 014, . . . . 086     | Dual Row     |

| 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: | Description                            |
|-------------------|----------------------------------------|
| 01                | No Mounting Lug                        |
| 02                | Ø.128" (Ø3.25mm) Mounting Holes        |
| 03                | Ø.116" (Ø2.95mm) I.D. Floating Eyelets |
| 04                | Ø.156" (Ø3.96mm) Mounting Holes        |
| 07                | M3-0.5 Metric Threaded Inserts         |
| 08                | #4-40 Unified Threaded Inserts         |
| 12                | Ø.128" (Ø3.25mm) Side Mounting Holes   |

| 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) |                 |

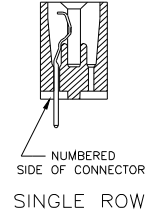
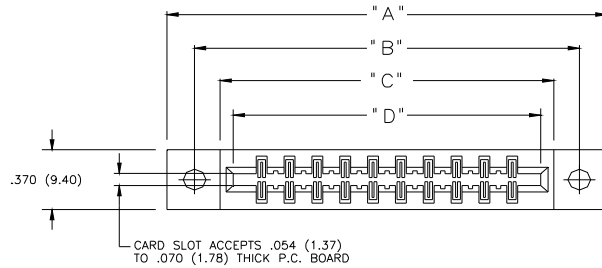
### Ordering Code Notes:

- 1) All connector sizes up to 43 contacts single row / 086 contacts dual row are available upon request.
- 2) 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 next pages.
- 4) For lugless connectors, code 01 mounting, specify contact row code 1 or 2.
- 5) For details of the mounting options refer to next pages.

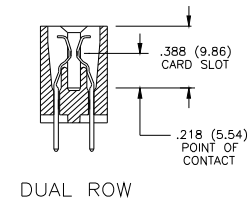
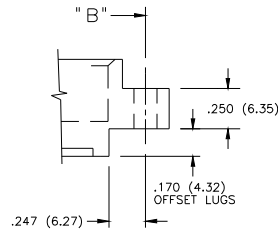
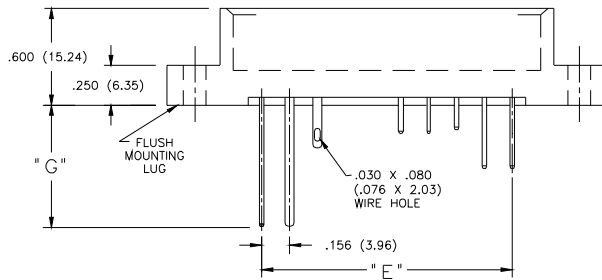


## 333 SERIES

Card Edge Connector 0.156" (3.96mm) Pitch



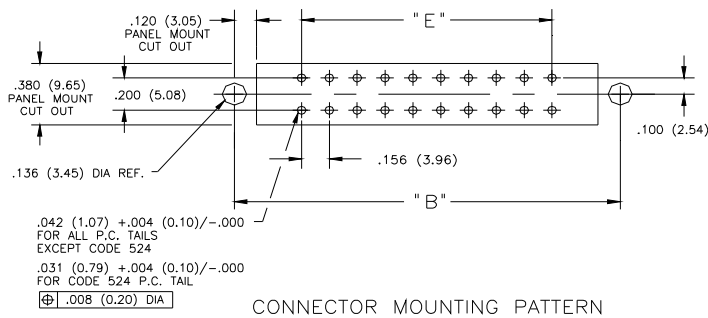
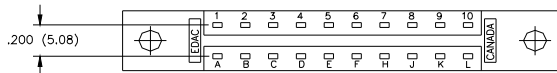
SINGLE ROW



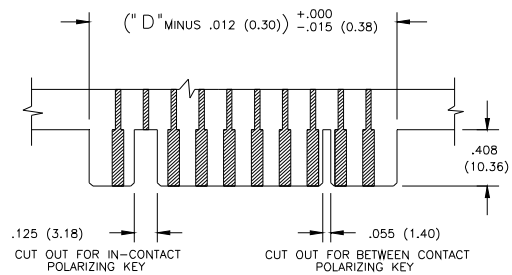
DUAL ROW

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             | Double | 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  | 0.780 | 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     | 3.148 | 79.96  | 2.898 | 73.61  | 2.625 | 66.68  | 2.464 | 62.59  | 2.144 | 54.46  |
| 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 |

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