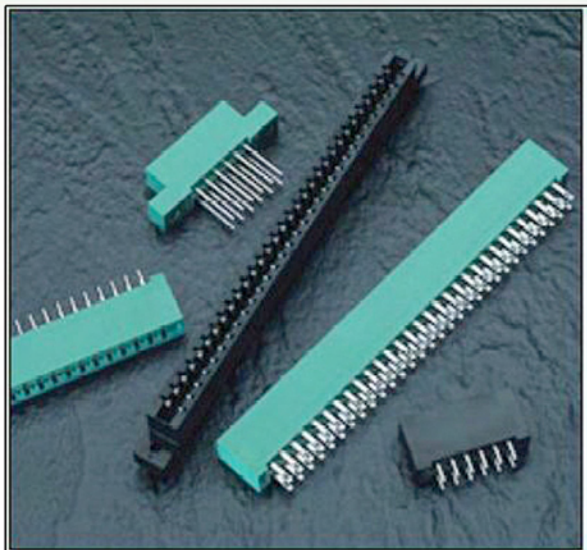




## SERIES 337/387



### FEATURES

UL Recognized

.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

Large Variety of Mounting Options, Flush or Offset Lugs

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: 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 (.28 N) Minimum per Contact Pair when Tested with a .054 (1.37) Thick Gauge

### Example Part Number 337 - 086 - 524 - 2 04

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

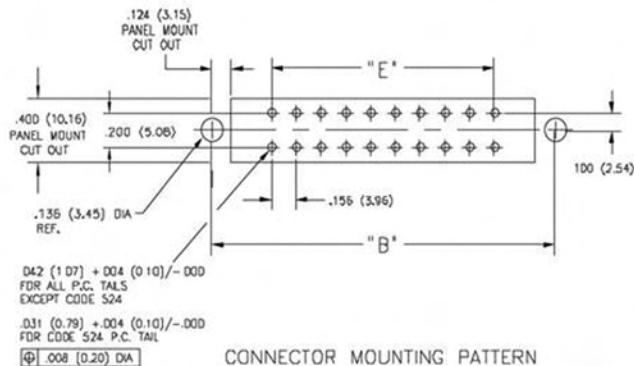
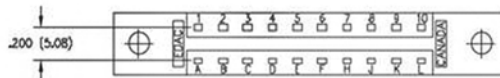
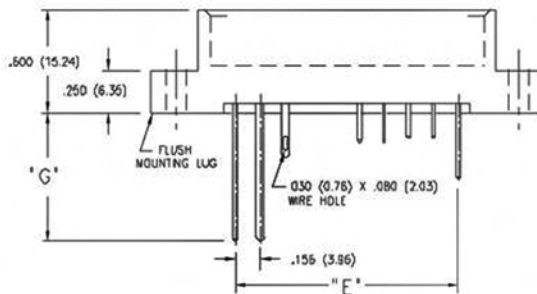
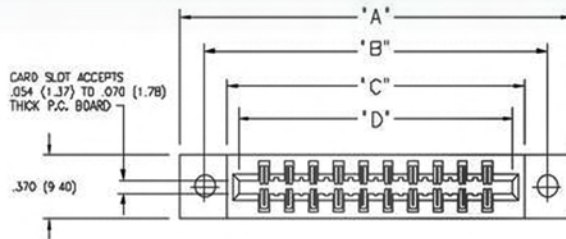
| Series                   | Insulator Colour                        |                 |
|--------------------------|-----------------------------------------|-----------------|
| 337                      | Green                                   |                 |
| 387                      | Black                                   |                 |
| Total Number of Contacts |                                         | Contact Rows    |
| 006, 007, ..., 043       |                                         | Single Row      |
| 012, 014, ..., 086       |                                         | Dual Row        |
| 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) |                 |

| 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 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 |
| 58               | .468 (11.89) Offset Card Guides      |
| 78               | In-Line Card Guides                  |

### Ordering Code Notes

- 1) All connector sizes up to 43 contacts single row / 86 contacts dual row are available upon request
- 2) The 500 contact code is standard in the 337 series only. Diallyl Phthalate insulator material will be supplied
- 3) For lugless connectors, code 01 mounting, specify contact rows codes 1 or 2
- 4) In-Line card guides are only available with offset mounting lugs



CONNECTOR MOUNTING PATTERN

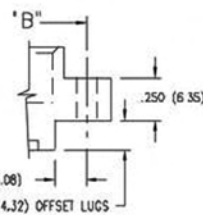
### BETWEEN CONTACT POLARIZING KEY

P/N 306-240-318



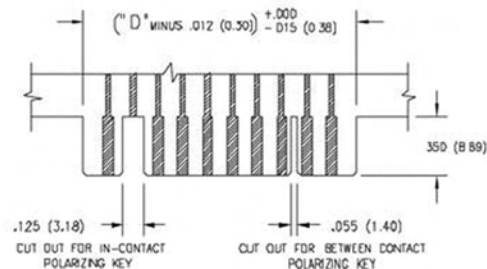
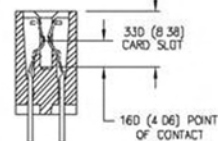
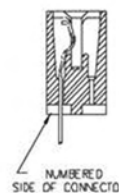
### IN-CONTACT POLARIZING KEY

P/N 343-240-328



### SINGLE ROW

### DUAL ROW



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   | 1.842 | (46.79)  | 1.532 | (38.91)  | 1.246 | (31.65)  | 1.100 | (27.94)  | .780  | (19.81)  |
| 10                 | 20   | 2.466 | (62.64)  | 2.156 | (54.76)  | 1.870 | (47.50)  | 1.724 | (43.79)  | 1.404 | (35.66)  |
| 12                 | 24   | 2.778 | (70.56)  | 2.468 | (62.69)  | 2.182 | (55.42)  | 2.036 | (51.71)  | 1.716 | (43.59)  |
| 15                 | 30   | 3.246 | (82.45)  | 2.936 | (74.57)  | 2.650 | (67.31)  | 2.504 | (63.60)  | 2.184 | (55.47)  |
| 18                 | 36   | 3.714 | (94.34)  | 3.404 | (86.46)  | 3.118 | (79.20)  | 2.972 | (75.49)  | 2.652 | (67.36)  |
| 22                 | 44   | 4.338 | (110.19) | 4.028 | (102.31) | 3.742 | (95.05)  | 3.596 | (91.34)  | 3.276 | (83.21)  |
| 25                 | 50   | 4.806 | (122.07) | 4.496 | (114.20) | 4.210 | (106.93) | 4.064 | (103.23) | 3.744 | (95.10)  |
| 26                 | 52   | 4.962 | (126.03) | 4.652 | (118.16) | 4.366 | (110.90) | 4.220 | (107.19) | 3.900 | (99.06)  |
| 28                 | 56   | 5.274 | (133.96) | 4.964 | (126.09) | 4.678 | (118.82) | 4.532 | (115.11) | 4.212 | (106.98) |
| 31                 | 62   | 5.742 | (145.85) | 5.432 | (137.97) | 5.146 | (130.71) | 5.000 | (127.00) | 4.680 | (118.87) |
| 33                 | 66   | 6.054 | (153.77) | 5.744 | (145.90) | 5.458 | (138.63) | 5.312 | (134.92) | 4.992 | (126.80) |
| 36                 | 72   | 6.522 | (165.66) | 6.212 | (157.78) | 5.926 | (150.52) | 5.780 | (146.81) | 5.460 | (138.68) |
| 43                 | 86   | 7.614 | (193.40) | 7.304 | (185.52) | 7.018 | (178.26) | 6.872 | (174.55) | 6.552 | (166.42) |

Dimensions of Other Connector Sizes are Listed