



## SERIES 341/391



### FEATURES

- UL Recognized
- .100 (2.54) Contact Spacing x .140 (3.56) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- Low Profile Insulator Body .437 (11.10)
- Contact Termination Options include P.C Tail, Wire Wrap and Extender Board Bends
- Single or Dual Row Configurations
- Variety of Mounting Options

Accepts Between Contact & 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: 1200 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 341 - 062 - 520 - 2 02

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

| Series | Insulator Colour |
|--------|------------------|
| 341    | Green            |
| 391    | Black            |

| Total Number of Contacts | Contact Rows |
|--------------------------|--------------|
| 005, 006, ..., 060       | Single Row   |
| 010, 012, ..., 120       | Dual Row     |

| Contact Code | Description & Tail Size                 | Tail Length "G" |
|--------------|-----------------------------------------|-----------------|
| 500          | Wire Hole .050 x .013 (1.27 x 0.33)     | .220 (5.59)     |
| 520          | P.C. Tail .025 x .13 (0.64 x 0.33)      | .125 (3.18)     |
| 521          | P.C. Tail .025 x .13 (0.64 x 0.33)      | .260 (6.60)     |
| 522          | P.C. Tail .025 x .13 (0.64 x 0.33)      | .375 (9.53)     |
| 524          | P.C. Tail .025 x .13 (0.64 x 0.33)      | .100 (2.54)     |
| 555          | Extender Board Bend (Code 500 Contacts) |                 |
| 556          | Extender Board Bend (Code 521 Contacts) |                 |
| 560          | Extender Board Bend (Code 522 Contacts) |                 |

| Contact Rows | Description |
|--------------|-------------|
| 1            | Single Row  |
| 2            | Dual Row    |

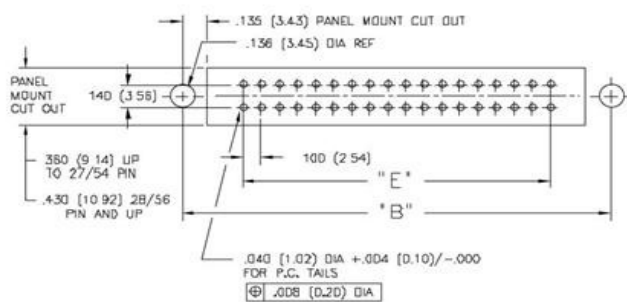
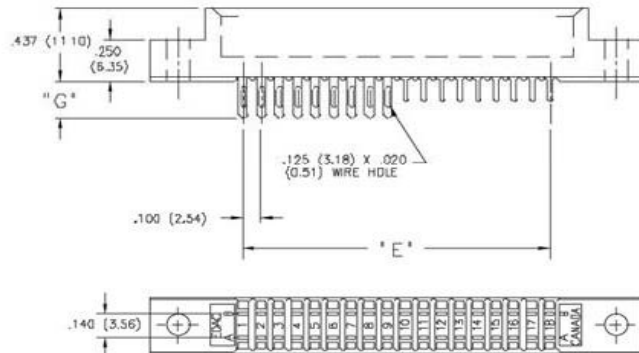
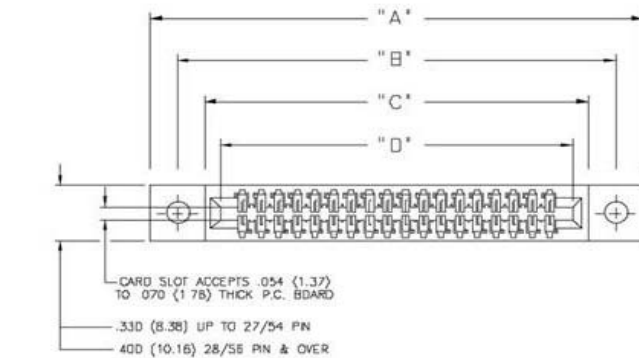
| Mounting Options | Description                       |
|------------------|-----------------------------------|
| 01               | No Mounting Lugs                  |
| 02               | .128 (3.25) Dia. Mounting Holes   |
| 03               | .116 (2.95) I.D. Floating Eyelets |
| 04           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

### Ordering Code Notes

- 1) All connector sizes up to 60 contacts single row / 120 contacts dual row are available upon request



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CONNECTOR MOUNTING PATTERN

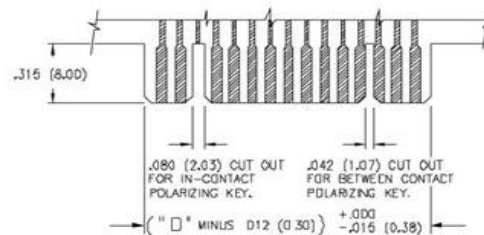
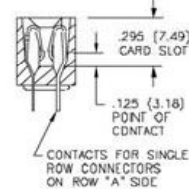
IN-CONTACT  
POLARIZING KEY  
P/N 321-240-328



BETWEEN CONTACT  
POLARIZING KEY  
P/N 341-240-318



SECTION THROUGH  
CONTACT POSITION



RECOMMENDED DAUGHTER BOARD

| NUMBER OF CONTACTS |      | "A"   |          | "B"   |          | "C"   |          | "D"   |          | "E"   |          |
|--------------------|------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| Single             | Dual | Inch  | (mm)     | Inch  | (mm)     | Inch  | (mm)     | Inch  | (mm)     | Inch  | (mm)     |
| 5                  | 10   | 1.375 | (34.93)  | 1.075 | (27.31)  | .775  | (19.69)  | .600  | (15.24)  | .400  | (10.16)  |
| 6                  | 12   | 1.475 | (37.47)  | 1.175 | (29.85)  | .875  | (22.23)  | .700  | (17.78)  | .500  | (12.70)  |
| 10                 | 20   | 1.875 | (47.63)  | 1.575 | (40.01)  | 1.275 | (32.39)  | 1.100 | (27.94)  | .900  | (22.86)  |
| 15                 | 30   | 2.375 | (60.33)  | 2.075 | (52.71)  | 1.775 | (45.09)  | 1.600 | (40.64)  | 1.400 | (35.56)  |
| 18                 | 36   | 2.675 | (67.95)  | 2.375 | (60.33)  | 2.075 | (52.71)  | 1.900 | (48.26)  | 1.700 | (43.18)  |
| 22                 | 44   | 3.075 | (78.11)  | 2.775 | (70.49)  | 2.475 | (62.87)  | 2.300 | (58.42)  | 2.100 | (53.34)  |
| 25                 | 50   | 3.375 | (85.73)  | 3.075 | (78.11)  | 2.775 | (70.49)  | 2.600 | (66.04)  | 2.400 | (60.96)  |
| 28                 | 56   | 3.675 | (93.35)  | 3.375 | (85.73)  | 3.075 | (78.11)  | 2.900 | (73.66)  | 2.700 | (68.58)  |
| 30                 | 60   | 3.875 | (98.43)  | 3.575 | (90.81)  | 3.275 | (83.19)  | 3.100 | (78.74)  | 2.900 | (73.66)  |
| 36                 | 72   | 4.475 | (113.67) | 4.175 | (106.05) | 3.875 | (98.43)  | 3.700 | (93.98)  | 3.500 | (88.90)  |
| 40                 | 80   | 4.875 | (123.83) | 4.575 | (116.21) | 4.275 | (108.59) | 4.100 | (104.14) | 3.900 | (99.06)  |
| 43                 | 86   | 5.175 | (131.45) | 4.875 | (123.83) | 4.575 | (116.21) | 4.400 | (111.76) | 4.200 | (106.68) |
| 50                 | 100  | 5.875 | (149.23) | 5.575 | (141.61) | 5.275 | (133.99) | 5.100 | (129.54) | 4.900 | (124.46) |
| 60                 | 120  | 6.875 | (174.63) | 6.575 | (167.01) | 6.275 | (159.39) | 6.100 | (154.94) | 5.900 | (149.86) |

Dimensions of Other Connector Sizes are Listed