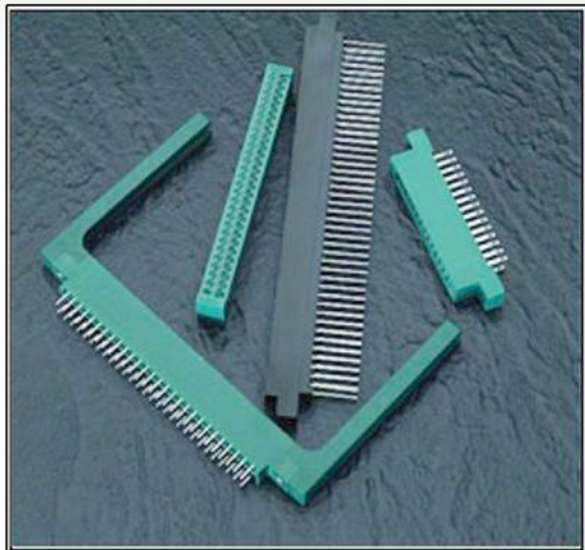




## SERIES 346/396



### FEATURES

UL Recognized

.125 (3.18) Contact Spacing x .250 (6.35) 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, .025 (0.64) Square 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

Automatic Wire Wrap Positioning Holes

### 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: 1500 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 346 - 056 - 540 - 8 02

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

| Series | Insulator Colour |
|--------|------------------|
| 346    | Green            |
| 396    | Black            |

| Total Number of Contacts | Contact Rows |
|--------------------------|--------------|
| 005, 006, ..., 050       | Single Row   |
| 010, 012, ..., 100       | Dual Row     |

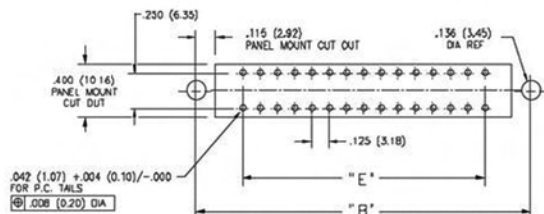
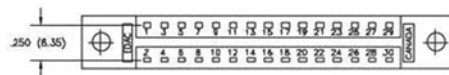
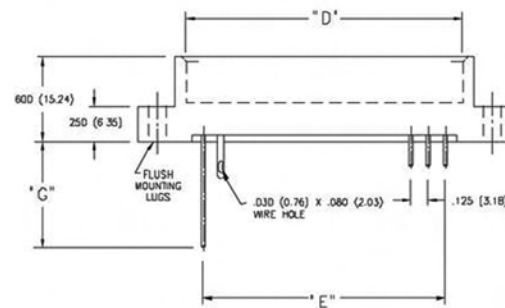
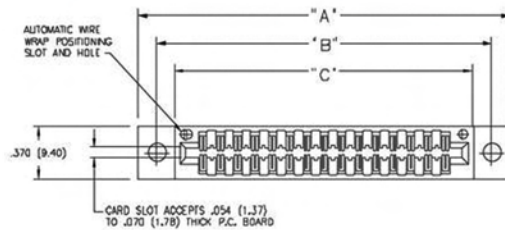
| Contact Code | Description & Tail Size                 | Tail Length "G" |
|--------------|-----------------------------------------|-----------------|
| 500          | Wire Hole .050 x .025 (1.27 x 0.64)     | .260 (6.60)     |
| 520          | P.C. Tail .025 Square (0.64 Square)     | .175 (4.45)     |
| 521          | P.C. Tail .025 Square (0.64 Square)     | .150 (3.81)     |
| 522          | P.C. Tail .025 Square (0.64 Square)     | .440 (11.18)    |
| 526          | P.C. Tail .025 Square (0.64 Square)     | .350 (8.89)     |
| 540          | Wire Wrap .025 Square (0.64 Square)     | .560 (14.22)    |
| 541          | Wire Wrap .025 Square (0.64 Square)     | .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 526 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                  |

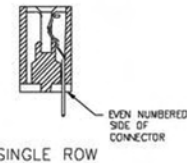
### Ordering Code Notes

- 1) All connector sizes up to 50 contacts single row / 100 contacts dual row are available upon request
- 2) The 500 contact code is standard in the 346 series only. Diallyl Phthalate insulator material will be supplied
- 3) Consult with Edac regarding connectors with a .420 (10.67) card slot depth
- 4) For lugless connectors, code 01 mounting, specify contact row codes 1 or 2
- 5) In-line card guides are only available with offset mounting lugs

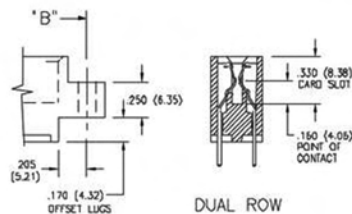


CONNECTOR MOUNTING PATTERN

SECTIONS THROUGH CONTACT POSITION



SINGLE ROW



DUAL ROW

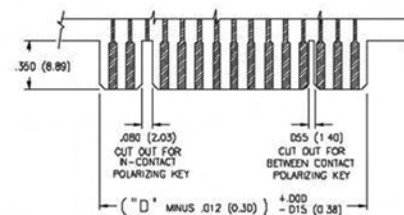
IN-CONTACT POLARIZING KEY

P/N 345-240-328



BETWEEN CONTACT POLARIZING KEY

P/N 308-240-318



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   | 1.435 | (36.45)  | 1.170 | (29.72)  | .910  | (23.11)  | .750  | (19.05)  | .500  | (12.70)  |
| 6                  | 12   | 1.560 | (39.62)  | 1.295 | (32.89)  | 1.035 | (26.29)  | .875  | (22.23)  | .625  | (15.88)  |
| 10                 | 20   | 2.080 | (52.32)  | 1.795 | (45.59)  | 1.535 | (38.99)  | 1.375 | (34.93)  | 1.125 | (28.58)  |
| 15                 | 30   | 2.685 | (68.20)  | 2.420 | (61.47)  | 2.160 | (54.86)  | 2.000 | (50.80)  | 1.750 | (44.45)  |
| 18                 | 36   | 3.060 | (77.72)  | 2.795 | (70.99)  | 2.535 | (64.39)  | 2.375 | (60.33)  | 2.125 | (53.98)  |
| 22                 | 44   | 3.560 | (90.42)  | 3.295 | (83.69)  | 3.035 | (77.09)  | 2.875 | (73.03)  | 2.625 | (66.68)  |
| 25                 | 50   | 3.935 | (99.95)  | 3.670 | (93.22)  | 3.410 | (86.61)  | 3.250 | (82.55)  | 3.000 | (76.20)  |
| 30                 | 60   | 4.560 | (115.82) | 4.295 | (109.09) | 4.035 | (102.49) | 3.875 | (98.43)  | 3.625 | (92.08)  |
| 31                 | 62   | 4.685 | (119.00) | 4.420 | (112.27) | 4.160 | (105.66) | 4.000 | (101.60) | 3.750 | (95.25)  |
| 35                 | 70   | 5.185 | (131.70) | 4.920 | (124.97) | 4.660 | (118.36) | 4.500 | (114.30) | 4.250 | (107.95) |
| 36                 | 72   | 5.310 | (134.87) | 5.045 | (128.14) | 4.785 | (121.54) | 4.625 | (117.48) | 4.375 | (111.13) |
| 40                 | 80   | 5.810 | (147.57) | 5.545 | (140.84) | 5.285 | (134.24) | 5.125 | (130.18) | 4.875 | (123.83) |
| 43                 | 86   | 6.185 | (157.10) | 5.920 | (150.37) | 5.660 | (143.76) | 5.500 | (139.70) | 5.250 | (133.35) |
| 50                 | 100  | 7.060 | (179.32) | 6.795 | (172.59) | 6.535 | (165.99) | 6.375 | (161.93) | 6.125 | (155.58) |

Dimensions of Other Connector Sizes are Listed

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