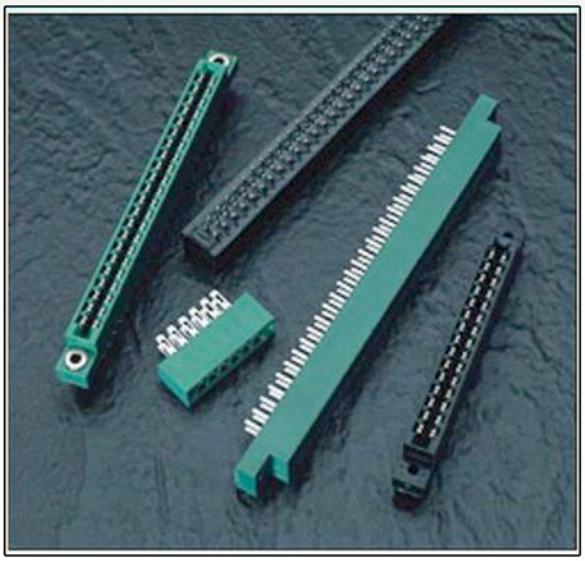
# SERIES 305/315/355



## FEATURES

UL Recognized

.156 (3.96) Contact Spacing x .140 (3.56) Row Spacing

Accepts .062 (1.57) Nominal Thickness P.C. Board

Low Profile Insulator Body, .460 (11.68)

Contact Termination Options include P.C. Tail, Wire Hole & Extender Board Bends

Large Variety of Mounting Options

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: 5 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 305 - 056 - 521 - 2 04

Series
Total Number of Contacts
Contact Code
Insulator Style
Mounting Options

| Series | Insulator Colour | Card Slot Length |
|---|---|---|
| 305 | Green | Standard Length per MIL-C-21097 |
| 315 | Green | .020 (0.51) Shorter than Standard |
| 355 | Black | Standard Length per MIL-C-21097 |

| Total Number of Contacts | Contact Rows |
|---|---|
| 012, 014, ...., 086 | Dual Row |

| Contact Code | | Description & Tail Size | Tail Length "G" |
|---|---|---|---|
| 500 | Wire Hole | .087 x .013 (2.21 x 0.33) | .282(7.16) |
| 520 | P.C. Tail | .046 x .013 (1.17 x 0.33) | .213(5.41) |
| 521 | P.C. Tail | .046 x .013 (1.17 x 0.33) | .125(3.18) |
| 555 | Extender Board Bend (Code 500 Contacts) | | |
| 556 | Extender Board Bend (Code 520 Contacts) | | |

| Insulator Style | Description |
|---|---|
| 2 | .295 (7.49) Card Slot Depth |
| 5 | .330 (8.38) Card Slot Depth |

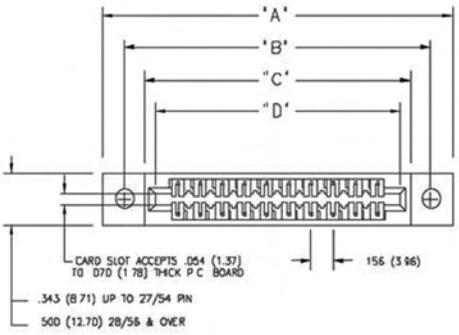
| Mounting Options | Description |
|---|---|
| 01 | No Mounting Lugs |
| 02 | .128 (3.25) Dia. Mounting Holes |
| 03 | .116 (2.95) I.D. Floating Eyelets |
| 04 | .156 (3.96) Dia. Mounting Holes |
| 07 | M3-0.5 Metric Threaded Inserts |
| 08 | #4-40 Unified Threaded Inserts |
| 58 | .468 (11.89) Offset Card Guides |
| 68 | .344 (8.74) Offset Card Guides |
| 78 | In-Line Card Guides |

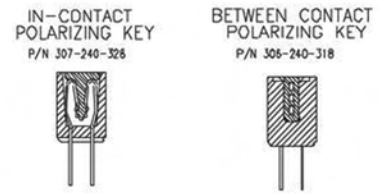
**Ordering Code Notes**

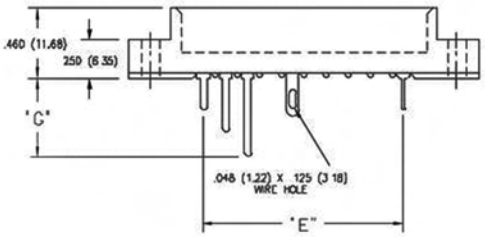
1) All connector sizes up to 86 contacts dual row are available upon request
2) Consult with EDAC regarding single row configuration and wire wrap tail options
3) Insulator style code 5 is available for the 305 and 355 series upon request

Phone: (416) - 754 - 3322 Fax: (416) - 754 - 3299 Email: CustomerService@edac.net Website: www.edac.net

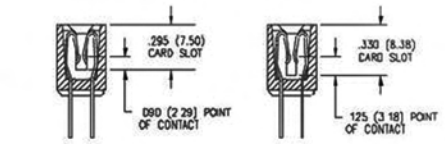
# SERIES 305/315/355



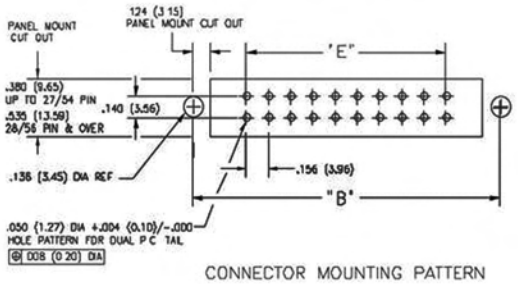




SECTIONS THROUGH CONTACT POSITION

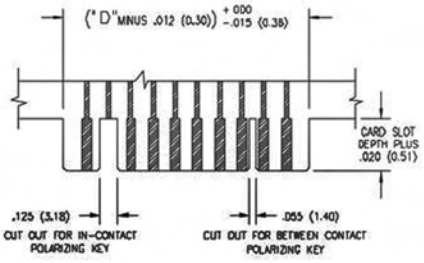



INSULATOR STYLE CODE 2

INSULATOR STYLE CODE 5




CONNECTOR MOUNTING PATTERN




RECOMMENDED DAUGHTER BOARD

| NUMBER OF CONTACTS | "A" | | "B" | | "C" | | "D" | | | | "E" | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 305, 355 | | 315 | | | |
| Dual | Inch | (mm) | Inch | (mm) | Inch | (mm) | Inch | (mm) | Inch | (mm) | Inch | (mm) |
| 12 | 1.842 | (46.79) | 1.532 | (38.91) | 1.246 | (31.65) | 1.100 | (27.94) | 1.080 | (27.43) | .780 | (19.81) |
| 20 | 2.466 | (62.64) | 2.156 | (54.76) | 1.870 | (47.50) | 1.724 | (43.79) | 1.704 | (43.28) | 1.404 | (35.66) |
| 24 | 2.778 | (70.56) | 2.468 | (62.69) | 2.182 | (55.42) | 2.036 | (51.71) | 2.016 | (51.21) | 1.716 | (43.59) |
| 30 | 3.246 | (82.45) | 2.936 | (74.57) | 2.650 | (67.31) | 2.504 | (63.60) | 2.484 | (63.09) | 2.184 | (55.47) |
| 36 | 3.714 | (94.34) | 3.404 | (86.46) | 3.118 | (79.20) | 2.972 | (75.49) | 2.952 | (74.98) | 2.652 | (67.36) |
| 44 | 4.338 | (110.19) | 4.028 | (102.31) | 3.742 | (95.05) | 3.596 | (91.34) | 3.576 | (90.83) | 3.276 | (83.21) |
| 48 | 4.650 | (118.11) | 4.340 | (110.24) | 4.054 | (102.97) | 3.908 | (99.26) | 3.888 | (98.76) | 3.588 | (91.14) |
| 50 | 4.806 | (122.07) | 4.496 | (114.20) | 4.210 | (106.93) | 4.064 | (103.23) | 4.044 | (102.72) | 3.744 | (95.10) |
| 56 | 5.274 | (133.96) | 4.964 | (126.09) | 4.678 | (118.82) | 4.532 | (115.11) | 4.512 | (114.60) | 4.212 | (106.98) |
| 60 | 5.586 | (141.88) | 5.276 | (134.01) | 4.990 | (126.75) | 4.844 | (123.04) | 4.824 | (122.53) | 4.524 | (114.91) |
| 72 | 6.522 | (165.66) | 6.212 | (157.78) | 5.926 | (150.52) | 5.780 | (146.81) | 5.760 | (146.30) | 5.460 | (138.68) |
| 86 | 7.614 | (193.40) | 7.304 | (185.52) | 7.018 | (178.26) | 6.872 | (174.55) | 6.852 | (174.04) | 6.552 | (166.42) |

Dimensions of Other Connector Sizes are Listed