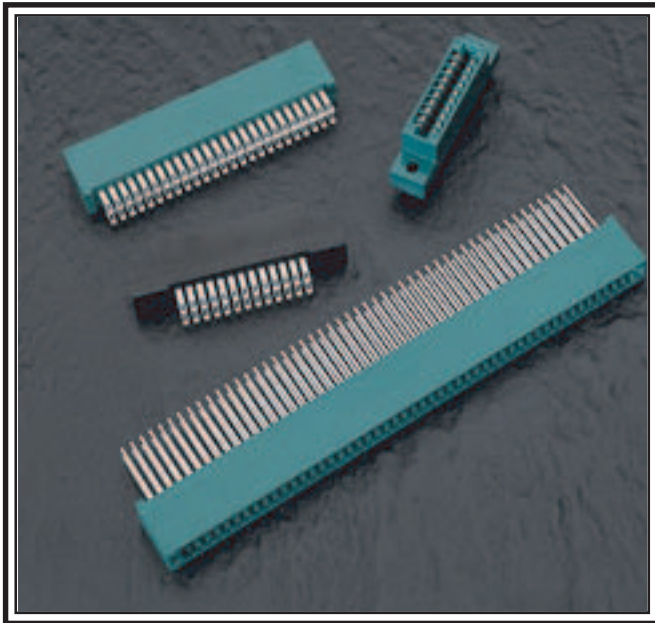


# 342/392 SERIES CARD EDGE CONNECTOR

.100" (2.54mm) Contact Spacing



## FEATURES

- UL Recognized
- .100 (2.54) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- High Profile Insulator Body, .590 (14.99)
- Contact Termination Options include P.C. Tail, Wire Hole, Wire Wrap, 90 Degree & Extender Board Bends
- Single or Dual Row Configurations
- Variety of Mounting Options
- Accepts Between Contact and In-Contact Polarizing Keys
- Design based on Requirements of HE 901 Specification

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

## 342/392 SERIES ORDERING CODE

Example Part Number **342 - 100 - 541 - 2 02**

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

| Series | Insulator Colour |
|--------|------------------|
| 342    | Green            |
| 392    | Black            |

| Total Number of Contacts <sup>1</sup> | Contact Rows |
|---------------------------------------|--------------|
| 005, 006,...058                       | Single Row   |
| 010, 012,...116                       | Dual Row     |

| Contact Code <sup>2,3</sup> | Description & Tail Size                 | Tail Length "G" |
|-----------------------------|---|-----------------|
| 500                         | Wire Hole .050 x .025 (1.27 x 0.64)     | .270 (6.86)     |
| 520                         | P.C. Tail .030 x .018 (0.76 x 0.46)     | .185 (4.70)     |
| 521                         | P.C. Tail .025 Square (0.64 Square)     | .160 (4.06)     |
| 523                         | P.C. Tail .025 Square (0.64 Square)     | .400 (10.16)    |
| 524                         | P.C. Tail .018 Square (0.46 Square)     | .185 (4.70)     |
| 540                         | Wire Wrap .025 Square (0.64 Square)     | .570 (14.48)    |
| 541                         | Wire Wrap .025 Square (0.64 Square)     | .760 (19.30)    |
| 542                         | Wire Wrap .025 Square (0.64 Square)     | .655 (16.64)    |
| 544                         | Wire Wrap .050 x .025 (1.27 x 0.64)     | .760 (19.30)    |
| 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 | Description |
|--------------|-------------|
| 1            | Single Row  |
| 2            | Dual Row    |

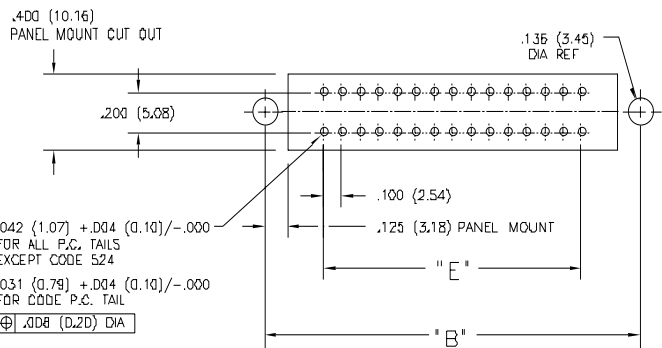
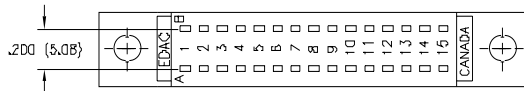
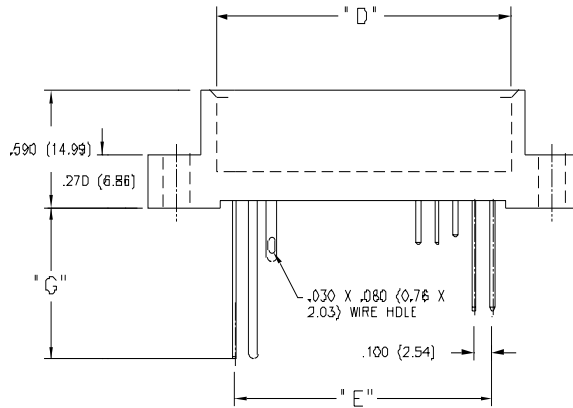
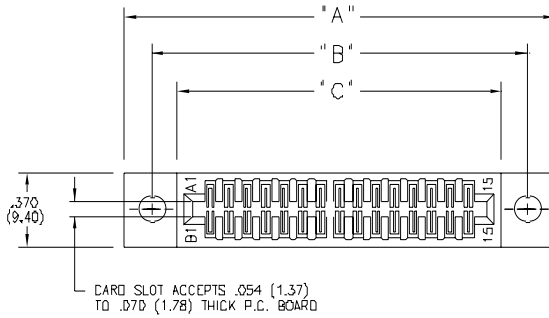
| Mounting Options <sup>4</sup> | Description                          |
|-------------------------------|--------------------------------------|
| 01                            | No Mounting Lugs                     |
| 02                            | .128 (3.25) Wide Mounting Slots      |
| 03                            | .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 |

## Ordering Code Notes

- 1) All connector sizes up to 58 contacts single row / 116 contacts dual row are available upon request.
- 2) The 500 contact code is only available in the 342 series. Green polyphenylene sulphide insulator material will be supplied.
- 3) For details of the extender board and 90 degree bends, refer to page 66.
- 4) For details of the mounting options, refer to page 68.

# CARD EDGE CONNECTOR SERIES 342/392

Contact Spacing .100" (2.54mm)



CONNECTOR MOUNTING PATTERN

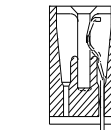
IN-CONTACT POLARIZING KEY

P/N 345-240-328



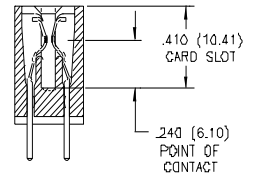
BETWEEN CONTACT POLARIZING KEY

P/N 342-240-318

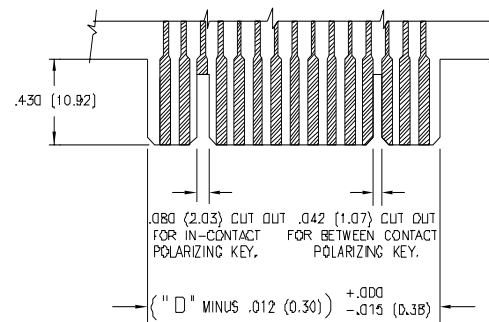


LETTER "A" SIDE OF CONNECTOR

SINGLE ROW



DUAL ROW



RECOMMENDED DAUGHTER BOARD

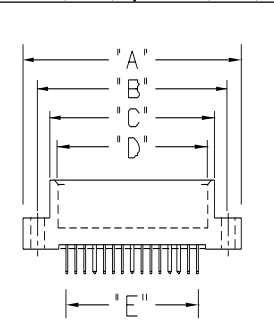
| NUMBER OF CONTACTS |      | "A"   |          | "B"   |          | "C"   |          | "D"   |          | "E"   |          |
|--------------------|------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| Single             | Dual | Inch  | (mm)     | Inch  | (mm)     | Inch  | (mm)     | Inch  | (mm)     | Inch  | (mm)     |
| 5                  | 10   | 1.300 | (33.02)  | 1.022 | (25.96)  | .746  | (18.95)  | .600  | (15.24)  | .400  | (10.16)  |
| 10                 | 20   | 1.800 | (45.72)  | 1.522 | (38.66)  | 1.246 | (31.65)  | 1.100 | (27.94)  | .900  | (22.86)  |
| 13                 | 26   | 2.100 | (53.34)  | 1.822 | (46.28)  | 1.546 | (39.27)  | 1.400 | (35.56)  | 1.200 | (30.48)  |
| 15                 | 30   | 2.300 | (58.42)  | 2.022 | (51.36)  | 1.746 | (44.35)  | 1.600 | (40.64)  | 1.400 | (35.56)  |
| 18                 | 36   | 2.600 | (66.04)  | 2.322 | (58.98)  | 2.046 | (51.97)  | 1.900 | (48.26)  | 1.700 | (43.18)  |
| 22                 | 44   | 3.000 | (76.20)  | 2.722 | (69.14)  | 2.446 | (62.13)  | 2.300 | (58.42)  | 2.100 | (53.34)  |
| 25                 | 50   | 3.300 | (83.82)  | 3.022 | (76.76)  | 2.746 | (69.75)  | 2.600 | (66.04)  | 2.400 | (60.96)  |
| 30                 | 60   | 3.800 | (96.52)  | 3.522 | (89.46)  | 3.246 | (82.45)  | 3.100 | (78.74)  | 2.900 | (73.66)  |
| 31                 | 62   | 3.900 | (99.06)  | 3.622 | (92.00)  | 3.346 | (84.99)  | 3.200 | (81.28)  | 3.000 | (76.20)  |
| 35                 | 70   | 4.300 | (109.22) | 4.022 | (102.16) | 3.746 | (95.15)  | 3.600 | (91.44)  | 3.400 | (86.36)  |
| 36                 | 72   | 4.400 | (111.76) | 4.122 | (104.70) | 3.846 | (97.69)  | 3.700 | (93.98)  | 3.500 | (88.90)  |
| 43                 | 86   | 5.100 | (129.54) | 4.822 | (122.48) | 4.546 | (115.47) | 4.400 | (111.76) | 4.200 | (106.68) |
| 50                 | 100  | 5.800 | (147.32) | 5.522 | (140.26) | 5.246 | (133.25) | 5.100 | (129.54) | 4.900 | (124.46) |
| 58                 | 116  | 6.600 | (167.64) | 6.322 | (160.58) | 6.046 | (153.57) | 5.900 | (149.86) | 5.700 | (144.78) |

Dimensions of Other Connector Sizes are Listed on Page 72

# .100" (2.54mm) CONTACT SPACING CONNECTOR DIMENSIONS

325, 340, 341, 342, 345, 391, 392, 395, 745 Series Card Edge Connectors

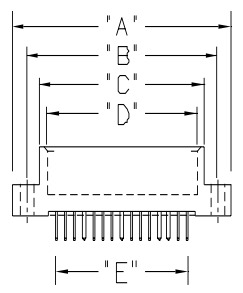
| DIMENSION                            |                | "A"            |                |                |                |                | "B"            |                      |                |  |  |
|--------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|--|--|
| SERIES                               | 325            | 340            | 341, 391       | 342, 392       | 345, 395       | 325            | 340            | 341, 391<br>345, 395 | 342, 392       |  |  |
| Number of<br>Contacts<br>Single Dual | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)            | Inch (mm)      |  |  |
| 5 10                                 | 1.355 (34.42)  | 1.900 (48.26)  | 1.375 (34.93)  | 1.300 (33.02)  | 1.335 (33.91)  | 1.056 (26.82)  | 1.400 (35.56)  | 1.075 (27.31)        | 1.022 (25.96)  |  |  |
| 6 12                                 | 1.455 (36.96)  | 2.000 (50.80)  | 1.475 (37.47)  | 1.400 (35.56)  | 1.435 (36.45)  | 1.156 (29.36)  | 1.500 (38.10)  | 1.175 (29.85)        | 1.122 (28.50)  |  |  |
| 7 14                                 | 1.555 (39.50)  | 2.100 (53.34)  | 1.575 (40.01)  | 1.500 (38.10)  | 1.535 (38.99)  | 1.256 (31.90)  | 1.600 (40.64)  | 1.275 (32.39)        | 1.222 (31.04)  |  |  |
| 8 16                                 | 1.655 (42.04)  | 2.200 (55.88)  | 1.675 (42.55)  | 1.600 (40.64)  | 1.635 (41.53)  | 1.356 (34.44)  | 1.700 (43.18)  | 1.375 (34.93)        | 1.322 (33.58)  |  |  |
| 9 18                                 | 1.755 (44.58)  | 2.300 (58.42)  | 1.775 (45.09)  | 1.700 (43.18)  | 1.735 (44.07)  | 1.456 (36.98)  | 1.800 (45.72)  | 1.475 (37.47)        | 1.422 (36.12)  |  |  |
| 10 20                                | 1.855 (47.12)  | 2.400 (60.96)  | 1.875 (47.63)  | 1.800 (45.72)  | 1.835 (46.61)  | 1.556 (39.52)  | 1.900 (48.26)  | 1.575 (40.01)        | 1.522 (38.66)  |  |  |
| 11 22                                | 1.955 (49.66)  | 2.500 (63.50)  | 1.975 (50.17)  | 1.900 (48.26)  | 1.935 (49.15)  | 1.656 (42.06)  | 2.000 (50.80)  | 1.675 (42.55)        | 1.622 (41.20)  |  |  |
| 12 24                                | 2.055 (52.20)  | 2.600 (66.04)  | 2.075 (52.71)  | 2.000 (50.80)  | 2.035 (51.69)  | 1.756 (44.60)  | 2.100 (53.34)  | 1.775 (45.09)        | 1.722 (43.74)  |  |  |
| 13 26                                | 2.155 (54.74)  | 2.700 (68.58)  | 2.175 (55.25)  | 2.100 (53.34)  | 2.135 (54.23)  | 1.856 (47.14)  | 2.200 (55.88)  | 1.875 (47.63)        | 1.822 (46.28)  |  |  |
| 14 28                                | 2.255 (57.28)  | 2.800 (71.12)  | 2.275 (57.79)  | 2.200 (55.88)  | 2.235 (56.77)  | 1.956 (49.68)  | 2.300 (58.42)  | 1.975 (50.17)        | 1.922 (48.82)  |  |  |
| 15 30                                | 2.355 (59.82)  | 2.900 (73.66)  | 2.375 (60.33)  | 2.300 (58.42)  | 2.335 (59.31)  | 2.056 (52.22)  | 2.400 (60.96)  | 2.075 (52.71)        | 2.022 (51.36)  |  |  |
| 16 32                                | 2.455 (62.36)  | 3.000 (76.20)  | 2.475 (62.87)  | 2.400 (60.96)  | 2.435 (61.85)  | 2.156 (54.76)  | 2.500 (63.50)  | 2.175 (55.25)        | 2.122 (53.90)  |  |  |
| 17 34                                | 2.555 (64.90)  | 3.100 (78.74)  | 2.575 (65.41)  | 2.500 (63.50)  | 2.535 (64.39)  | 2.256 (57.30)  | 2.600 (66.04)  | 2.275 (57.79)        | 2.222 (56.44)  |  |  |
| 18 36                                | 2.655 (67.44)  | 3.200 (81.28)  | 2.675 (67.95)  | 2.600 (66.04)  | 2.635 (66.93)  | 2.356 (59.84)  | 2.700 (68.58)  | 2.375 (60.33)        | 2.322 (58.98)  |  |  |
| 19 38                                | 2.755 (69.98)  | 3.300 (83.82)  | 2.775 (70.49)  | 2.700 (68.58)  | 2.735 (69.47)  | 2.456 (62.38)  | 2.800 (71.12)  | 2.475 (62.87)        | 2.422 (61.52)  |  |  |
| 20 40                                | 2.855 (72.52)  | 3.400 (86.36)  | 2.875 (73.03)  | 2.800 (71.12)  | 2.835 (72.01)  | 2.556 (64.92)  | 2.900 (73.66)  | 2.575 (65.41)        | 2.522 (64.06)  |  |  |
| 21 42                                | 2.955 (75.06)  | 3.500 (88.90)  | 2.975 (75.57)  | 2.900 (73.66)  | 2.935 (74.55)  | 2.656 (67.46)  | 3.000 (76.20)  | 2.675 (67.95)        | 2.622 (66.60)  |  |  |
| 22 44                                | 3.055 (77.60)  | 3.600 (91.44)  | 3.075 (78.11)  | 3.000 (76.20)  | 3.035 (77.09)  | 2.756 (70.00)  | 3.100 (78.74)  | 2.775 (70.49)        | 2.722 (69.14)  |  |  |
| 23 46                                | 3.155 (80.14)  | 3.700 (93.98)  | 3.175 (80.65)  | 3.100 (78.74)  | 3.135 (79.63)  | 2.856 (72.54)  | 3.200 (81.28)  | 2.875 (73.03)        | 2.822 (71.68)  |  |  |
| 24 48                                | 3.255 (82.68)  | 3.800 (96.52)  | 3.275 (83.19)  | 3.200 (81.28)  | 3.235 (82.17)  | 2.956 (75.08)  | 3.300 (83.82)  | 2.975 (75.57)        | 2.922 (74.22)  |  |  |
| 25 50                                | 3.355 (85.22)  | 3.900 (99.06)  | 3.375 (85.73)  | 3.300 (83.82)  | 3.335 (84.71)  | 3.056 (77.62)  | 3.400 (86.36)  | 3.075 (78.11)        | 3.022 (76.76)  |  |  |
| 26 52                                | 3.455 (87.76)  | 4.000 (101.60) | 3.475 (88.27)  | 3.400 (86.36)  | 3.435 (87.25)  | 3.156 (80.16)  | 3.500 (88.90)  | 3.175 (80.65)        | 3.122 (79.30)  |  |  |
| 27 54                                | 3.555 (90.30)  | 4.100 (104.14) | 3.575 (90.81)  | 3.500 (88.90)  | 3.535 (89.79)  | 3.256 (82.70)  | 3.600 (91.44)  | 3.275 (83.19)        | 3.222 (81.84)  |  |  |
| 28 56                                | 3.655 (92.84)  | 4.200 (106.68) | 3.675 (93.35)  | 3.600 (91.44)  | 3.635 (92.33)  | 3.356 (85.24)  | 3.700 (93.98)  | 3.375 (85.73)        | 3.322 (84.38)  |  |  |
| 29 58                                | 3.755 (95.38)  | 4.300 (109.22) | 3.775 (95.89)  | 3.700 (93.98)  | 3.735 (94.87)  | 3.456 (87.78)  | 3.800 (96.52)  | 3.475 (88.27)        | 3.422 (86.92)  |  |  |
| 30 60                                | 3.855 (97.92)  | 4.400 (111.76) | 3.875 (98.43)  | 3.800 (96.52)  | 3.835 (97.41)  | 3.556 (90.32)  | 3.900 (99.06)  | 3.575 (90.81)        | 3.522 (89.46)  |  |  |
| 31 62                                | 3.955 (100.46) | 4.500 (114.30) | 3.975 (100.97) | 3.900 (99.06)  | 3.935 (99.95)  | 3.656 (92.86)  | 4.000 (101.60) | 3.675 (93.35)        | 3.622 (92.00)  |  |  |
| 32 64                                | 4.055 (103.00) | 4.600 (116.84) | 4.075 (103.51) | 4.000 (101.60) | 4.035 (102.49) | 3.756 (95.40)  | 4.100 (104.14) | 3.775 (95.89)        | 3.722 (94.54)  |  |  |
| 33 66                                | 4.155 (105.54) | 4.700 (119.38) | 4.175 (106.05) | 4.100 (104.14) | 4.135 (105.03) | 3.856 (97.94)  | 4.200 (106.68) | 3.875 (98.43)        | 3.822 (97.08)  |  |  |
| 34 68                                | 4.255 (108.08) | 4.800 (121.92) | 4.275 (108.59) | 4.200 (106.68) | 4.235 (107.57) | 3.956 (100.48) | 4.300 (109.22) | 3.975 (100.97)       | 3.922 (99.62)  |  |  |
| 35 70                                | 4.355 (110.62) | 4.900 (124.46) | 4.375 (111.13) | 4.300 (109.22) | 4.335 (110.11) | 4.056 (103.02) | 4.400 (111.76) | 4.075 (103.51)       | 4.022 (102.16) |  |  |
| 36 72                                | 4.455 (113.16) | 5.000 (127.00) | 4.475 (113.67) | 4.400 (111.76) | 4.435 (112.65) | 4.156 (105.56) | 4.500 (114.30) | 4.175 (106.05)       | 4.122 (104.70) |  |  |
| 37 74                                | 4.555 (115.70) | 5.100 (129.54) | 4.575 (116.21) | 4.500 (114.30) | 4.535 (115.19) | 4.256 (108.10) | 4.600 (116.84) | 4.275 (108.59)       | 4.222 (107.24) |  |  |
| 38 76                                | 4.655 (118.24) | 5.200 (132.08) | 4.675 (118.75) | 4.600 (116.84) | 4.635 (117.73) | 4.356 (110.64) | 4.700 (119.38) | 4.375 (111.13)       | 4.322 (109.78) |  |  |
| 39 78                                | 4.755 (120.78) | 5.300 (134.62) | 4.775 (121.29) | 4.700 (119.38) | 4.735 (120.27) | 4.456 (113.18) | 4.800 (121.92) | 4.475 (113.67)       | 4.422 (112.32) |  |  |
| 40 80                                | 4.855 (123.32) | 5.400 (137.16) | 4.875 (123.83) | 4.800 (121.92) | 4.835 (122.81) | 4.556 (115.72) | 4.900 (124.46) | 4.575 (116.21)       | 4.522 (114.86) |  |  |
| 41 82                                | 4.955 (125.86) | 5.500 (139.70) | 4.975 (126.37) | 4.900 (124.46) | 4.935 (125.35) | 4.656 (118.26) | 5.000 (127.00) | 4.675 (118.75)       | 4.622 (117.40) |  |  |
| 42 84                                | 5.055 (128.40) | 5.600 (142.24) | 5.075 (128.91) | 5.000 (127.00) | 5.035 (127.89) | 4.756 (120.80) | 5.100 (129.54) | 4.775 (121.29)       | 4.722 (119.94) |  |  |
| 43 86                                | 5.155 (130.94) | 5.700 (144.78) | 5.175 (131.45) | 5.100 (129.54) | 5.135 (130.43) | 4.856 (123.34) | 5.200 (132.08) | 4.875 (123.83)       | 4.822 (122.48) |  |  |
| 44 88                                | 5.255 (133.48) | 5.800 (147.32) | 5.275 (133.99) | 5.200 (132.08) | 5.235 (132.97) | 4.956 (125.88) | 5.300 (134.62) | 4.975 (126.37)       | 4.922 (125.02) |  |  |
| 45 90                                | 5.355 (136.02) | 5.900 (149.86) | 5.375 (136.53) | 5.300 (134.62) | 5.335 (135.51) | 5.056 (128.42) | 5.400 (137.16) | 5.075 (128.91)       | 5.022 (127.56) |  |  |
| 46 92                                | 5.455 (138.56) | 6.000 (152.40) | 5.475 (139.07) | 5.400 (137.16) | 5.435 (138.05) | 5.156 (130.96) | 5.500 (139.70) | 5.175 (131.45)       | 5.122 (130.10) |  |  |
| 47 94                                | 5.555 (141.10) | 6.100 (154.94) | 5.575 (141.61) | 5.500 (139.70) | 5.535 (140.59) | 5.256 (133.50) | 5.600 (142.24) | 5.275 (133.99)       | 5.222 (132.64) |  |  |
| 48 96                                | 5.655 (143.64) | 6.200 (157.48) | 5.675 (144.15) | 5.600 (142.24) | 5.635 (143.13) | 5.356 (136.04) | 5.700 (144.78) | 5.375 (136.53)       | 5.322 (135.18) |  |  |
| 49 98                                | 5.755 (146.18) | 6.300 (160.02) | 5.775 (146.69) | 5.700 (144.78) | 5.735 (145.67) | 5.456 (138.58) | 5.800 (147.32) | 5.475 (139.07)       | 5.422 (137.72) |  |  |
| 50 100                               | 5.855 (148.72) | 6.400 (162.56) | 5.875 (149.23) | 5.800 (147.32) | 5.835 (148.21) | 5.556 (141.12) | 5.900 (149.86) | 5.575 (141.61)       | 5.522 (140.26) |  |  |
| 51 102                               | 5.955 (151.26) | 6.500 (165.10) | 5.975 (151.77) | 5.900 (149.86) | 5.935 (150.75) | 5.656 (143.66) | 6.000 (152.40) | 5.675 (144.15)       | 5.622 (142.80) |  |  |
| 52 104                               | 6.055 (153.80) | 6.600 (167.64) | 6.075 (154.31) | 6.000 (152.40) | 6.035 (153.29) | 5.756 (146.20) | 6.100 (154.94) | 5.775 (146.69)       | 5.722 (145.34) |  |  |
| 53 106                               | 6.155 (156.34) | 6.700 (170.18) | 6.175 (156.85) | 6.100 (154.94) | 6.135 (155.83) | 5.856 (148.74) | 6.200 (157.48) | 5.875 (149.23)       | 5.822 (147.88) |  |  |
| 54 108                               | 6.255 (158.88) | 6.800 (172.72) | 6.275 (159.39) | 6.200 (157.48) | 6.235 (158.37) | 5.956 (151.28) | 6.300 (160.02) | 5.975 (151.77)       | 5.922 (150.42) |  |  |
| 55 110                               | 6.355 (161.42) | 6.900 (175.26) | 6.375 (161.93) | 6.300 (160.02) | 6.335 (160.91) | 6.056 (153.82) | 6.400 (162.56) | 6.075 (154.31)       | 6.022 (152.96) |  |  |
| 56 112                               | 6.455 (163.96) | 7.000 (177.80) | 6.475 (164.47) | 6.400 (162.56) | 6.435 (163.45) | 6.156 (156.36) | 6.500 (165.10) | 6.175 (156.85)       | 6.122 (155.50) |  |  |
| 57 114                               | 6.555 (166.50) | 7.100 (180.34) | 6.575 (167.01) | 6.500 (165.10) | 6.535 (165.99) | 6.256 (158.90) | 6.600 (167.64) | 6.275 (159.39)       | 6.222 (158.04) |  |  |
| 58 116                               | 6.655 (169.04) | 7.200 (182.88) | 6.675 (169.55) | 6.600 (167.64) | 6.635 (168.53) | 6.356 (161.44) | 6.700 (170.18) | 6.375 (161.93)       | 6.322 (160.58) |  |  |
| 59 118                               | 6.755 (171.58) | 7.300 (185.42) | 6.775 (172.09) |                | 6.735 (171.07) | 6.456 (163.98) | 6.800 (172.72) | 6.475 (164.47)       |                |  |  |
| 60 120                               | 6.855 (174.12) | 7.400 (187.96) | 6.875 (174.63) |                | 6.835 (173.61) | 6.556 (166.52) | 6.900 (175.26) | 6.575 (167.01)       |                |  |  |
| 61 122                               | 6.955 (176.66) |                |                |                | 6.935 (176.15) | 6.656 (169.06) |                | 6.675 (169.55)       |                |  |  |
| 62 124                               |                |                |                |                | 7.035 (178.69) |                |                | 6.775 (172.09)       |                |  |  |
| 63 126                               |                |                |                |                | 7.135 (181.23) |                |                | 6.875 (174.63)       |                |  |  |
| 64 128                               |                |                |                |                | 7.235 (183.77) |                |                | 6.975 (177.17)       |                |  |  |
| 65 130                               |                |                |                |                | 7.335 (186.31) |                |                | 7.075 (179.71)       |                |  |  |
| 66 132                               |                |                |                |                | 7.435 (188.85) |                |                | 7.175 (182.25)       |                |  |  |
| 67 134                               |                |                |                |                | 7.535 (191.39) |                |                | 7.275 (184.79)       |                |  |  |
| 68 136                               |                |                |                |                | 7.635 (193.93) |                |                | 7.375 (187.33)       |                |  |  |
| 69 138                               |                |                |                |                | 7.735 (196.47) |                |                | 7.475 (189.87)       |                |  |  |
| 70 140                               |                |                |                |                | 7.835 (199.01) |                |                | 7.575 (192.41)       |                |  |  |
| 71 142                               |                |                |                |                | 7.935 (201.55) |                |                | 7.675 (194.95)       |                |  |  |
| 72 144                               |                |                |                |                | 8.035 (204.09) |                |                | 7.775 (197.49)       |                |  |  |
| 73 146                               |                |                |                |                |                |                |                |                      |                |  |  |
| 74 148                               |                |                |                |                |                |                |                |                      |                |  |  |
| 75 150                               |                |                |                |                |                |                |                |                      |                |  |  |



# CONNECTOR DIMENSIONS CONTACT SPACING .100" (2.54mm)

Card Edge Connector Series 325, 340, 341, 342, 345, 391, 392, 395, 745

| DIMENSION             |                | "C"            |                |                |                 | "D"            |                   | "E"            |  |
|-----------------------|----------------|----------------|----------------|----------------|-----------------|----------------|-------------------|----------------|--|
| SERIES                | 325            | 340            | 341, 391       | 342, 392       | 345, 395<br>745 | 340            | REST OF<br>SERIES | ALL<br>SERIES  |  |
| Number of<br>Contacts | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)       | Inch (mm)      | Inch (mm)         | Inch (mm)      |  |
| Single Dual           |                |                |                |                |                 |                |                   |                |  |
| 5 10                  | .722 (18.34)   | .965 (24.51)   | .775 (19.69)   | .746 (18.95)   | .760 (19.30)    | .610 (15.49)   | .600 (15.24)      | .400 (10.16)   |  |
| 6 12                  | .822 (20.88)   | 1.065 (27.05)  | .875 (22.23)   | .846 (21.49)   | .860 (21.84)    | .710 (18.03)   | .700 (17.78)      | .500 (12.70)   |  |
| 7 14                  | .922 (23.42)   | 1.165 (29.59)  | .975 (24.77)   | .946 (24.03)   | .960 (24.38)    | .810 (20.57)   | .800 (20.32)      | .600 (15.24)   |  |
| 8 16                  | 1.022 (25.96)  | 1.265 (32.13)  | 1.075 (27.31)  | 1.046 (26.57)  | 1.060 (26.92)   | .910 (23.11)   | .900 (22.86)      | .700 (17.78)   |  |
| 9 18                  | 1.122 (28.50)  | 1.365 (34.67)  | 1.175 (29.85)  | 1.146 (29.11)  | 1.160 (29.46)   | 1.010 (25.65)  | 1.000 (25.40)     | .800 (20.32)   |  |
| 10 20                 | 1.222 (31.04)  | 1.465 (37.21)  | 1.275 (32.39)  | 1.246 (31.65)  | 1.260 (32.00)   | 1.110 (28.19)  | 1.100 (27.94)     | .900 (22.86)   |  |
| 11 22                 | 1.322 (33.58)  | 1.565 (39.75)  | 1.375 (34.93)  | 1.346 (34.19)  | 1.360 (34.54)   | 1.210 (30.73)  | 1.200 (30.48)     | 1.000 (25.40)  |  |
| 12 24                 | 1.422 (36.12)  | 1.665 (42.29)  | 1.475 (37.47)  | 1.446 (36.73)  | 1.460 (37.08)   | 1.310 (33.27)  | 1.300 (33.02)     | 1.100 (27.94)  |  |
| 13 26                 | 1.522 (38.66)  | 1.765 (44.83)  | 1.575 (40.01)  | 1.546 (39.27)  | 1.560 (39.62)   | 1.410 (35.81)  | 1.400 (35.56)     | 1.200 (30.48)  |  |
| 14 28                 | 1.622 (41.20)  | 1.865 (47.37)  | 1.675 (42.55)  | 1.646 (41.81)  | 1.660 (42.16)   | 1.510 (38.35)  | 1.500 (38.10)     | 1.300 (33.02)  |  |
| 15 30                 | 1.722 (43.74)  | 1.965 (49.91)  | 1.775 (45.09)  | 1.746 (44.35)  | 1.760 (44.70)   | 1.610 (40.89)  | 1.600 (40.64)     | 1.400 (35.56)  |  |
| 16 32                 | 1.822 (46.28)  | 2.065 (52.45)  | 1.875 (47.63)  | 1.846 (46.89)  | 1.860 (47.24)   | 1.710 (43.43)  | 1.700 (43.18)     | 1.500 (38.10)  |  |
| 17 34                 | 1.922 (48.82)  | 2.165 (54.99)  | 1.975 (50.17)  | 1.946 (49.43)  | 1.960 (49.78)   | 1.810 (45.97)  | 1.800 (45.72)     | 1.600 (40.64)  |  |
| 18 36                 | 2.022 (51.36)  | 2.265 (57.53)  | 2.075 (52.71)  | 2.046 (51.97)  | 2.060 (52.32)   | 1.910 (48.51)  | 1.900 (48.26)     | 1.700 (43.18)  |  |
| 19 38                 | 2.122 (53.90)  | 2.365 (60.07)  | 2.175 (55.25)  | 2.146 (54.51)  | 2.160 (54.86)   | 2.010 (51.05)  | 2.000 (50.80)     | 1.800 (45.72)  |  |
| 20 40                 | 2.222 (56.44)  | 2.465 (62.61)  | 2.275 (57.79)  | 2.246 (57.05)  | 2.260 (57.40)   | 2.110 (53.59)  | 2.100 (53.34)     | 1.900 (48.26)  |  |
| 21 42                 | 2.322 (58.98)  | 2.565 (65.15)  | 2.375 (60.33)  | 2.346 (59.59)  | 2.360 (59.94)   | 2.210 (56.13)  | 2.200 (55.88)     | 2.000 (50.80)  |  |
| 22 44                 | 2.422 (61.52)  | 2.665 (67.69)  | 2.475 (62.87)  | 2.446 (62.13)  | 2.460 (62.48)   | 2.310 (58.67)  | 2.300 (58.42)     | 2.100 (53.34)  |  |
| 23 46                 | 2.522 (64.06)  | 2.765 (70.23)  | 2.575 (65.41)  | 2.546 (64.67)  | 2.560 (65.02)   | 2.410 (61.21)  | 2.400 (60.96)     | 2.200 (55.88)  |  |
| 24 48                 | 2.622 (66.60)  | 2.865 (72.77)  | 2.675 (67.95)  | 2.646 (67.21)  | 2.660 (67.56)   | 2.510 (63.75)  | 2.500 (63.50)     | 2.300 (58.42)  |  |
| 25 50                 | 2.722 (69.14)  | 2.965 (75.31)  | 2.775 (70.49)  | 2.746 (69.75)  | 2.760 (70.10)   | 2.610 (66.29)  | 2.600 (66.04)     | 2.400 (60.96)  |  |
| 26 52                 | 2.822 (71.68)  | 3.065 (77.85)  | 2.875 (73.03)  | 2.846 (72.29)  | 2.860 (72.64)   | 2.710 (68.83)  | 2.700 (68.58)     | 2.500 (63.50)  |  |
| 27 54                 | 2.922 (74.22)  | 3.165 (80.39)  | 2.975 (75.57)  | 2.946 (74.83)  | 2.960 (75.18)   | 2.810 (71.37)  | 2.800 (71.12)     | 2.600 (66.04)  |  |
| 28 56                 | 3.022 (76.76)  | 3.265 (82.93)  | 3.075 (78.11)  | 3.046 (77.37)  | 3.060 (77.72)   | 2.910 (73.91)  | 2.900 (73.66)     | 2.700 (68.58)  |  |
| 29 58                 | 3.122 (79.30)  | 3.365 (85.47)  | 3.175 (80.65)  | 3.146 (79.91)  | 3.160 (80.26)   | 3.010 (76.45)  | 3.000 (76.20)     | 2.800 (71.12)  |  |
| 30 60                 | 3.222 (81.84)  | 3.465 (88.01)  | 3.275 (83.19)  | 3.246 (82.45)  | 3.260 (82.80)   | 3.110 (78.99)  | 3.100 (78.74)     | 2.900 (73.66)  |  |
| 31 62                 | 3.322 (84.38)  | 3.565 (90.55)  | 3.375 (85.73)  | 3.346 (84.99)  | 3.360 (85.34)   | 3.210 (81.53)  | 3.200 (81.28)     | 3.000 (76.20)  |  |
| 32 64                 | 3.422 (86.92)  | 3.665 (93.09)  | 3.475 (88.27)  | 3.446 (87.53)  | 3.460 (87.88)   | 3.310 (84.07)  | 3.300 (83.82)     | 3.100 (78.74)  |  |
| 33 66                 | 3.522 (89.46)  | 3.765 (95.63)  | 3.575 (90.81)  | 3.546 (90.07)  | 3.560 (90.42)   | 3.410 (86.61)  | 3.400 (86.36)     | 3.200 (81.28)  |  |
| 34 68                 | 3.622 (92.00)  | 3.865 (98.17)  | 3.675 (93.35)  | 3.646 (92.61)  | 3.660 (92.96)   | 3.510 (89.15)  | 3.500 (88.90)     | 3.300 (83.82)  |  |
| 35 70                 | 3.722 (94.54)  | 3.965 (100.71) | 3.775 (95.89)  | 3.746 (95.15)  | 3.760 (95.50)   | 3.610 (91.69)  | 3.600 (91.44)     | 3.400 (86.36)  |  |
| 36 72                 | 3.822 (97.08)  | 4.065 (103.25) | 3.875 (98.43)  | 3.846 (97.69)  | 3.860 (98.04)   | 3.710 (94.23)  | 3.700 (93.98)     | 3.500 (88.90)  |  |
| 37 74                 | 3.922 (99.62)  | 4.165 (105.79) | 3.975 (100.97) | 3.946 (100.23) | 3.960 (100.58)  | 3.810 (96.77)  | 3.800 (96.52)     | 3.600 (91.44)  |  |
| 38 76                 | 4.022 (102.16) | 4.265 (108.33) | 4.075 (103.51) | 4.046 (102.77) | 4.060 (103.12)  | 3.910 (99.31)  | 3.900 (99.06)     | 3.700 (93.98)  |  |
| 39 78                 | 4.122 (104.70) | 4.365 (110.87) | 4.175 (106.05) | 4.146 (105.31) | 4.160 (105.66)  | 4.010 (101.85) | 4.000 (101.60)    | 3.800 (96.52)  |  |
| 40 80                 | 4.222 (107.24) | 4.465 (113.41) | 4.275 (108.59) | 4.246 (107.85) | 4.260 (108.20)  | 4.110 (104.39) | 4.100 (104.14)    | 3.900 (99.06)  |  |
| 41 82                 | 4.322 (109.78) | 4.565 (115.95) | 4.375 (111.13) | 4.346 (110.39) | 4.360 (110.74)  | 4.210 (106.93) | 4.200 (106.68)    | 4.000 (101.60) |  |
| 42 84                 | 4.422 (112.32) | 4.665 (118.49) | 4.475 (113.67) | 4.446 (112.93) | 4.460 (113.28)  | 4.310 (109.47) | 4.300 (109.22)    | 4.100 (104.14) |  |
| 43 86                 | 4.522 (114.86) | 4.765 (121.03) | 4.575 (116.21) | 4.546 (115.47) | 4.560 (115.82)  | 4.410 (112.01) | 4.400 (111.76)    | 4.200 (106.68) |  |
| 44 88                 | 4.622 (117.40) | 4.865 (123.57) | 4.675 (118.75) | 4.646 (118.01) | 4.660 (118.36)  | 4.510 (114.55) | 4.500 (114.30)    | 4.300 (109.22) |  |
| 45 90                 | 4.722 (119.94) | 4.965 (126.11) | 4.775 (121.29) | 4.746 (120.55) | 4.760 (120.90)  | 4.610 (117.09) | 4.600 (116.84)    | 4.400 (111.76) |  |
| 46 92                 | 4.822 (122.48) | 5.065 (128.65) | 4.875 (123.83) | 4.846 (123.09) | 4.860 (123.44)  | 4.710 (119.63) | 4.700 (119.38)    | 4.500 (114.30) |  |
| 47 94                 | 4.922 (125.02) | 5.165 (131.19) | 4.975 (126.37) | 4.946 (125.63) | 4.960 (125.98)  | 4.810 (122.17) | 4.800 (121.92)    | 4.600 (116.84) |  |
| 48 96                 | 5.022 (127.56) | 5.265 (133.73) | 5.075 (128.91) | 5.046 (128.17) | 5.060 (128.52)  | 4.910 (124.71) | 4.900 (124.46)    | 4.700 (119.38) |  |
| 49 98                 | 5.122 (130.10) | 5.365 (136.27) | 5.175 (131.45) | 5.146 (130.71) | 5.160 (131.06)  | 5.010 (127.25) | 5.000 (127.00)    | 4.800 (121.92) |  |
| 50 100                | 5.222 (132.64) | 5.465 (138.81) | 5.275 (133.99) | 5.246 (133.25) | 5.260 (133.60)  | 5.110 (129.79) | 5.100 (129.54)    | 4.900 (124.46) |  |
| 51 102                | 5.322 (135.18) | 5.565 (141.35) | 5.375 (136.53) | 5.346 (135.79) | 5.360 (136.14)  | 5.210 (132.33) | 5.200 (132.08)    | 5.000 (127.00) |  |
| 52 104                | 5.422 (137.72) | 5.665 (143.89) | 5.475 (139.07) | 5.446 (138.33) | 5.460 (138.68)  | 5.310 (134.87) | 5.300 (134.62)    | 5.100 (129.54) |  |
| 53 106                | 5.522 (140.26) | 5.765 (146.43) | 5.575 (141.61) | 5.546 (140.87) | 5.560 (141.22)  | 5.410 (137.41) | 5.400 (137.16)    | 5.200 (132.08) |  |
| 54 108                | 5.622 (142.80) | 5.865 (148.97) | 5.675 (144.15) | 5.646 (143.41) | 5.660 (143.76)  | 5.510 (139.95) | 5.500 (139.70)    | 5.300 (134.62) |  |
| 55 110                | 5.722 (145.34) | 5.965 (151.51) | 5.775 (146.69) | 5.746 (145.95) | 5.760 (146.30)  | 5.610 (142.49) | 5.600 (142.24)    | 5.400 (137.16) |  |
| 56 112                | 5.822 (147.88) | 6.065 (154.05) | 5.875 (149.23) | 5.846 (148.49) | 5.860 (148.84)  | 5.710 (145.03) | 5.700 (144.78)    | 5.500 (139.70) |  |
| 57 114                | 5.922 (150.42) | 6.165 (156.59) | 5.975 (151.77) | 5.946 (151.03) | 5.960 (151.38)  | 5.810 (147.57) | 5.800 (147.32)    | 5.600 (142.24) |  |
| 58 116                | 6.022 (152.96) | 6.265 (159.13) | 6.075 (154.31) | 6.046 (153.57) | 6.060 (153.92)  | 5.910 (150.11) | 5.900 (149.86)    | 5.700 (144.78) |  |
| 59 118                | 6.122 (155.50) | 6.365 (161.67) | 6.175 (156.85) | 6.146 (156.01) | 6.160 (156.46)  | 6.010 (152.65) | 6.000 (152.40)    | 5.800 (147.32) |  |
| 60 120                | 6.222 (158.04) | 6.465 (164.21) | 6.275 (159.39) | 6.246 (158.55) | 6.260 (159.00)  | 6.110 (155.19) | 6.100 (154.94)    | 5.900 (149.86) |  |
| 61 122                | 6.322 (160.58) |                |                |                | 6.360 (161.54)  |                | 6.200 (157.48)    | 6.000 (152.40) |  |
| 62 124                |                |                |                |                | 6.460 (164.08)  |                | 6.300 (160.02)    | 6.100 (154.94) |  |
| 63 126                |                |                |                |                | 6.560 (166.62)  |                | 6.400 (162.56)    | 6.200 (157.48) |  |
| 64 128                |                |                |                |                | 6.660 (169.16)  |                | 6.500 (165.10)    | 6.300 (160.02) |  |
| 65 130                |                |                |                |                | 6.760 (171.70)  |                | 6.600 (167.64)    | 6.400 (162.56) |  |
| 66 132                |                |                |                |                | 6.860 (174.24)  |                | 6.700 (170.18)    | 6.500 (165.10) |  |
| 67 134                |                |                |                |                | 6.960 (176.78)  |                | 6.800 (172.72)    | 6.600 (167.64) |  |
| 68 136                |                |                |                |                | 7.060 (179.32)  |                | 6.900 (175.26)    | 6.700 (170.18) |  |
| 69 138                |                |                |                |                | 7.160 (181.86)  |                | 7.000 (177.80)    | 6.800 (172.72) |  |
| 70 140                |                |                |                |                | 7.260 (184.40)  |                | 7.100 (180.34)    | 6.900 (175.26) |  |
| 71 142                |                |                |                |                | 7.360 (186.94)  |                | 7.200 (182.88)    | 7.000 (177.80) |  |
| 72 144                |                |                |                |                | 7.460 (189.48)  |                | 7.300 (185.42)    | 7.100 (180.34) |  |
| 73 146                |                |                |                |                | 7.560 (192.02)  |                | 7.400 (187.96)    | 7.200 (182.88) |  |
| 74 148                |                |                |                |                | 7.660 (194.56)  |                | 7.500 (190.50)    | 7.300 (185.42) |  |
| 75 150                |                |                |                |                | 7.760 (197.10)  |                | 7.600 (193.04)    | 7.400 (187.96) |  |



# MOUNTING OPTIONS - CARD EDGE CONNECTORS

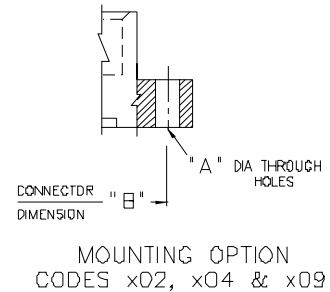
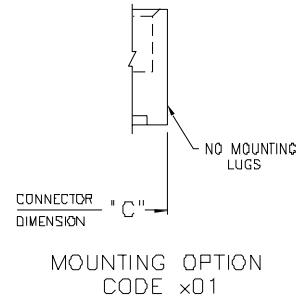
## Standard Mounting Details

### CODE x01 - NO MOUNTING LUGS

- Applicable for 303, 305, 306, 307, 310, 315, 316, 317, 321, 325, 327, 333, 336, 337, 338, 340, 341, 342, 345, 346, 355, 356, 357, 379, 384, 387, 391, 392, 395 and 396 Series

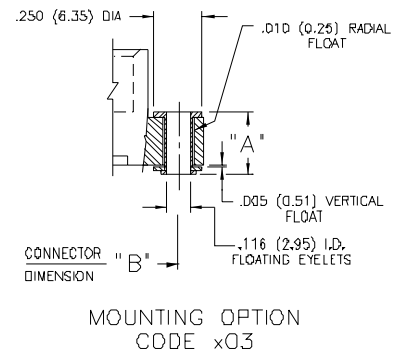
### CODE x02, x04 & x09 - THROUGH MOUNTING HOLES

| Applicable Series  | Code x02<br>"A" Dia.                | Code x04<br>"A" Dia. | Code x09<br>"A" Dia. |
|--|-------------------------------------|----------------------|----------------------|
| 303, 305, 306, 307, 310, 315,<br>316,321, 333, 337, 338, 340,<br>341, 345,346, 355, 356, 357,<br>379, 384, 387,391, 395, 396 | .128 (3.25)                         | .156 (3.96)          | —                    |
| 317, 323   | .144 (3.66)                         | .156 (3.96)          | —                    |
| 325  | —                                   | —                    | .160 (4.06)          |
| 327  | —                                   | —                    | .163 (4.14)          |
| 336  | .128 (3.25)                         | .156 (3.96)          | .178 (4.52)          |
| 342, 392   | .128(3.25) x<br>.146 (3.71)<br>Slot | .156 (3.96)          | —                    |



### CODE x03 - FLOATING EYELETS

| Applicable Series   | "A"         |
|---|-------------|
| 303, 305, 306, 307, 310, 315, 316,<br>317, 321, 323, 333, 336, 337, 338,<br>341, 345, 346, 355, 356, 357, 379,<br>384, 387, 391, 395, 396 | .328 (8.33) |
| 342, 392  | .348 (8.84) |

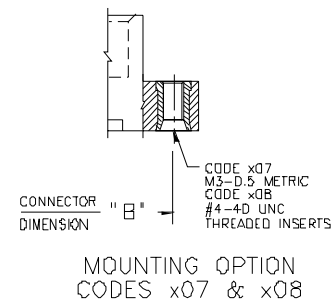


### CODE x07 & x08 - THREADED INSERTS

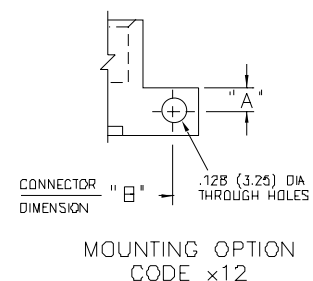
- Applicable for 303, 305, 306, 307, 310, 315, 316, 317, 321, 323, 325, 333, 336, 337, 338, 341, 342, 345, 346, 356, 357, 379, 384, 387, 391, 392, 395 and 396 Series
- See Code x12 for Side Mounting Threaded Inserts

### CODE x12 - SIDE MOUNTING HOLES

| Applicable Series                              | "A"         |
|--|-------------|
| 307, 333, 337, 345, 346, 357, 387,<br>395, 396 | .125 (3.18) |
| 342, 392                                       | .135 (3.43) |



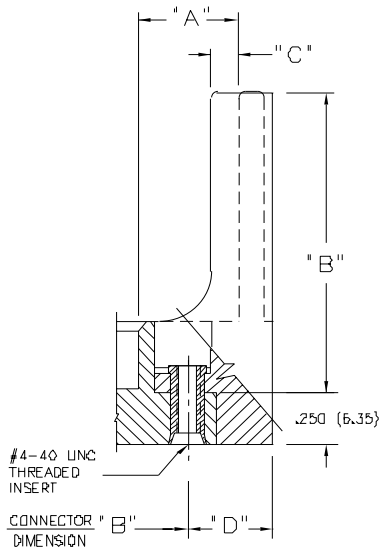
- Series Listed Above based on Availability of 90 Degree Bend Contact Tails. Side Mounting Holes may also be Used for Other Card Edge Connectors with a Lug Height of .250 (6.35) or Greater.
- For Side Mounting with Threaded Inserts, Specify Code x17 for M3-0.5 Metric Threads or Code x18 for #4-40 Unified Threads.



# CARD EDGE CONNECTORS - MOUNTING OPTIONS

Standard Mounting Details

## CODE x58 & x68 - OFFSET CARD GUIDES

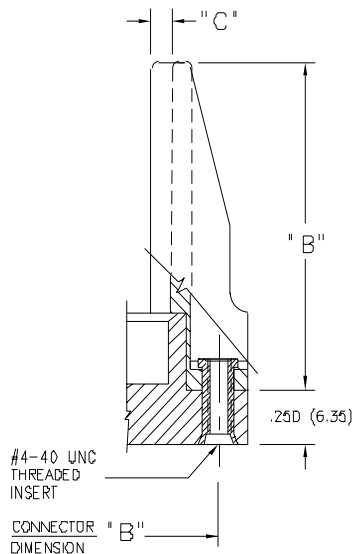


MOUNTING OPTION  
CODES x58 & x68

| Applicable Series for Code x58 Guides                 | "A"         | "B"          | "C"        | "D"         |
|---|-------------|--------------|------------|-------------|
| 305, 306, 307, 315, 316, 337, 338, 355, 356, 357, 387 | .468(11.89) | 2.755(69.98) | .125(3.18) | .423(10.74) |
| 345, 395  | .468(11.89) | 2.755(69.98) | .120(3.05) | .402(10.21) |
| 346, 396  | .468(11.89) | 2.755(69.98) | .120(3.05) | .398(10.11) |
| Applicable Series for Code x68 Guides                 | "A"         | "B"          | "C"        | "D"         |
| 305, 306, 307, 315, 316, 337, 338, 355, 356, 357, 387 | .344(8.74)  | 2.505(63.63) | .060(1.52) | .242(6.15)  |

- For Card Guides with .128 (3.25) Dia. Through Hole Inserts, Specify Code x52 or x62.
- For Card Guides with M3-0.5 Metric Threaded Inserts, Specify Code x57 or x67.
- For Field Assembly of Card Guides, Refer to Page 71.

## CODE x78 & x88 - IN-LINE CARD GUIDES



MOUNTING OPTION  
CODES x78 & x88

| Applicable Series for Code x78 Guides                 | "B"          | "C"        |
|---|--------------|------------|
| 305, 306, 307, 315, 316, 337, 338, 355, 356, 357, 387 | 1.550(39.37) | .090(2.29) |
| 317   | 1.712(43.48) | .110(2.79) |
| 345, 395  | 2.750(69.85) | .083(2.11) |
| 346, 396  | 2.750(69.85) | .091(2.31) |
| Applicable Series for Code x88 Guides                 | "B"          | "C"        |
| 345, 395  | 1.250(31.75) | .083(2.11) |

- In-Line Card Guides are Not Suitable for the Flush Mounting Lug Versions of 337, 387, 346 or 396 Series
- For Card Guides with .128 (3.25) Dia. Through Hole Inserts, Specify Code x72 or x82.
- For Card Guides with M3-0.5 Metric Threaded Inserts, Specify Code x77 or x87
- For Field Assembly of Card Guides, Refer to Page 71.