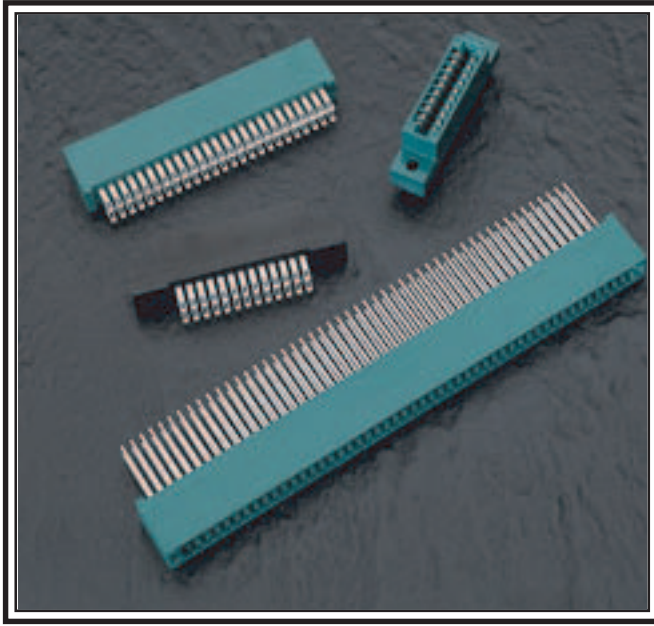


# 342/392 SERIES CARD EDGE CONNECTOR

.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    |

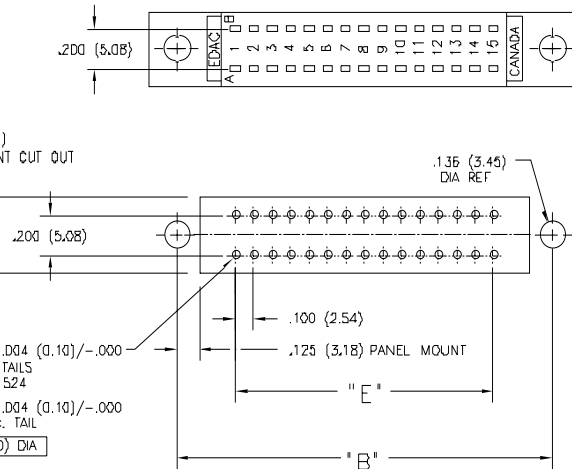
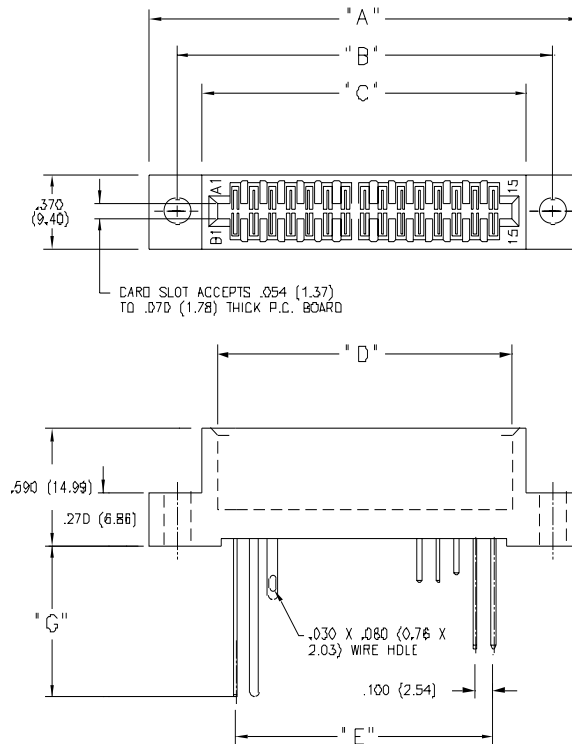
| Mounting Options <sup>4</sup> | Description                          |
|-------------------------------|--------------------------------------|
| 01                            | No Mounting Lugs                     |
| 02                            | .128 (3.25) Wide Mounting Slots      |
| 03    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

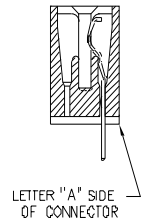
IN-CONTACT  
POLARIZING KEY

P/N 345-240-328

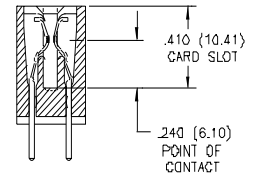


BETWEEN CONTACT  
POLARIZING KEY

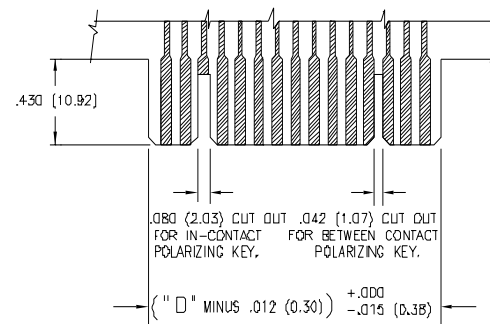
P/N 342-240-318



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

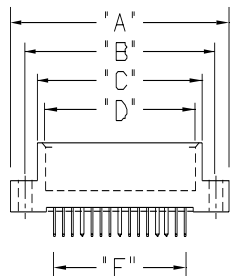
325, 340, 341, 342, 345, 391, 392, 395, 745 Series Card Edge Connectors

| 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</                             |       |          |       |          |          |          |          |          |          |          |       |          |       |          |                      |          |          |          |

# 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 |      |                |                |                |                |                 |                |                   |                |           |
| Single                | Dual | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)      | Inch (mm)       | Inch (mm)      | Inch (mm)         | Inch (mm)      | Inch (mm) |
| 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) |                | 6.160 (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) |                | 6.260 (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

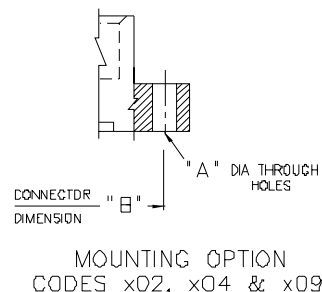
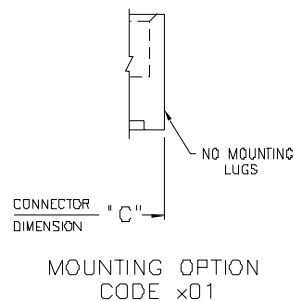
## Standard Mounting Details

### 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

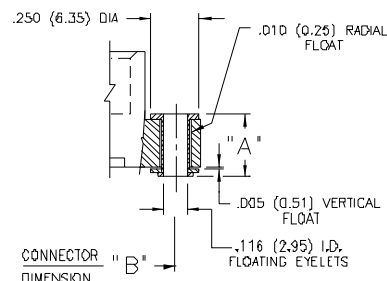
### CODE x02, x04 & x09 - THROUGH MOUNTING HOLES

| 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) |



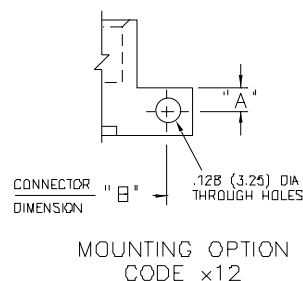
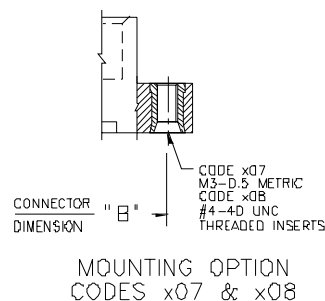
### CODE x07 & x08 - THREADED INSERTS

- 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

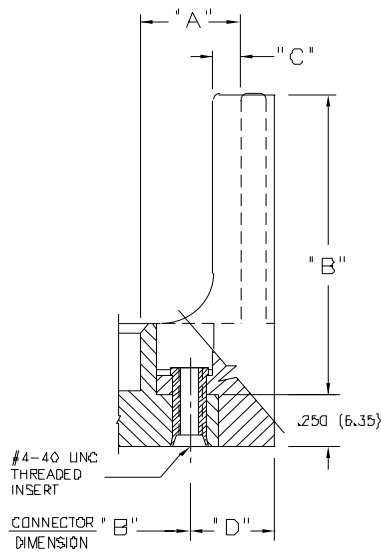
| Applicable Series                              | "A"         |
|------------------------------------------------|-------------|
| 307, 333, 337, 345, 346, 357, 387,<br>395, 396 | .125 (3.18) |
| 342, 392                                       | .135 (3.43) |

- 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

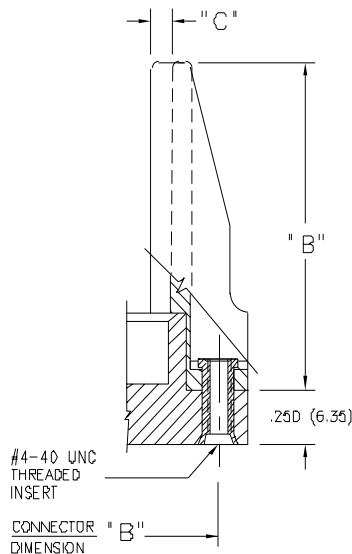


MOUNTING OPTION  
CODES x58 & x68

## CODE x58 & x68 - OFFSET CARD GUIDES

| Applicable Series for<br>Code x58 Guides                    | "A"         | "B"          | "C"         | "D"         |
|-------------------------------------------------------------|-------------|--------------|-------------|-------------|
| 305, 306, 307, 315,<br>316, 337, 338, 355,<br>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<br>Code x68 Guides                    | "A"         | "B"          | "C"         | "D"         |
| 305, 306, 307, 315,<br>316, 337, 338, 355,<br>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.



MOUNTING OPTION  
CODES x78 & x88

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

| Applicable Series for<br>Code x78 Guides                 | "B"          | "C"        |
|----------------------------------------------------------|--------------|------------|
| 305, 306, 307, 315, 316, 337, 338,<br>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<br>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.