# THE DATASHEET OF

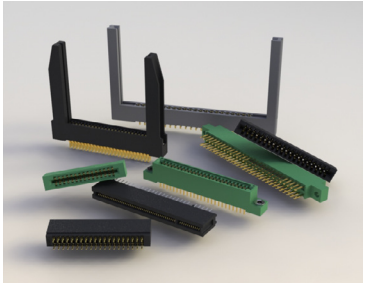
# 342-052-556-208

# 342/392 SERIES

## Card Edge Connectors 0.100” (2.54mm) Pitch

## Features:

- **0.100” (2.54mm) contact spacing x 0.200” (5.08mm) row spacing**
- **Accepts 0.062” (1.57mm) nominal thickness P.C. board**
- **High profile insulator body, 0.590” (14.99mm)**
- **Contact termination options include P.C. tail, wire wrap, 90 degree bends and extender board bends**
- **Single or dual row configurations**
- **Variety of mounting options, flush or offset lugs**
- **Accepts in-contact polarizing keys**
- **RoHS Compliant & UL Certified**



## Specifications:

| | |
|---|---|
| Insulator Material | UL 94V-0 Thermoplastic Polyester |
| Contact Material | Copper Alloy |
| Contact Plating | Gold Plating on mating area and Tin Plating on tails with Nickel underplating all over |
| Current Rating | 3 amps |
| Contact Resistance | 10 milliohms maximum |
| Dielectric Withstanding Voltage | 1200 V AC rms at sea level between adjacent contacts |
| Insulation Resistance | 5000 megaohms minimum |
| Operating Temperature | -40°C to +105°C |
| Insertion Force | 16 oz (4.45 N) maximum per contact pair when tested with .070” (1.78mm) thick gauge |
| Withdrawal Force | 1 oz (0.28 N) minimum per contact pair when tested with .054” (1.37mm) thick gauge |

Example Part Number: 342-100-541-202

- Series
- Total Number of Contacts
- Contact Code
- Contact Rows
- Mounting Options

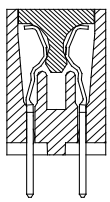
| **Series:** | **Insulator Color:** |
|---|---|
| 342 | Green |
| 392 | Black |
| **Total Number of Contacts:** | **Contact Rows:** |
| 005, 006, . . . . 058 | Single Row |
| 010, 012, . . . . 116 | Dual Row |
| **Contact Rows:** | **Description:** |
| 1 | Single Row |
| 2 | Dual Row |

| **Contact Code:** | **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 | (CO DE 541 CONTACTS) | |
| 560 | EXTENDER BOARD BEND | (CODE 523 CONTACTS) | |

| **Mounting Options:** | **Description:** |
|---|---|
| 01 | No Mounting Lug |
| 02 | Ø.128” (Ø3.25mm) Mounting Holes |
| 03 | Ø.116” (Ø2.95mm) I.D. Floating Eyelets |
| 04 | Ø.156” (Ø3.96mm) Mounting Holes |
| 07 | M3-0.5 Metric Threaded Inserts |
| 08 | #4-40 Unified Threaded Inserts |
| 12 | Ø.128” (Ø3.25mm) Side Mounting Holes |

IN-CONTACT POLARIZING KEY

P/N 345-240-328

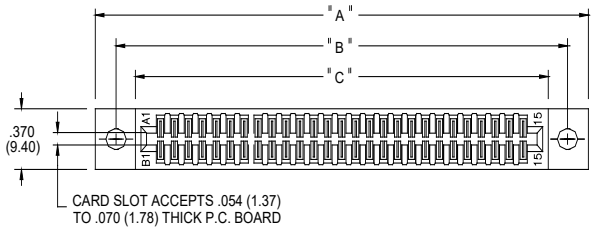


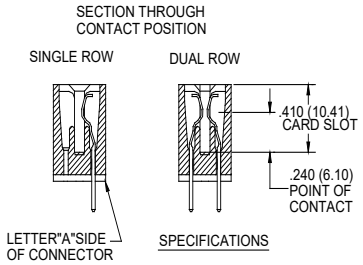
**Ordering Code Notes:**

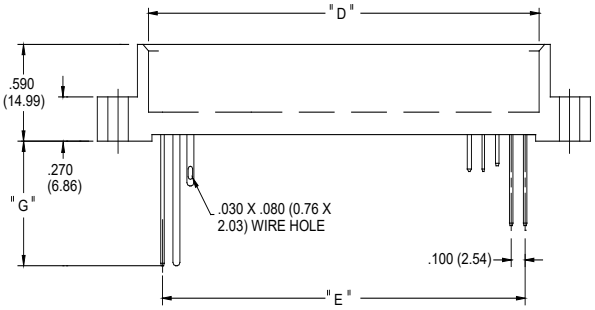
1) All connector sizes up to 58 contacts single row / 116 contacts dual row are available upon request.
2) The 500 contact code is only available in the 342 series. Green Diallyl Phthalate insulator material will be supplied.
3) For details of the extender board and 90 degree bends refer to next pages.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

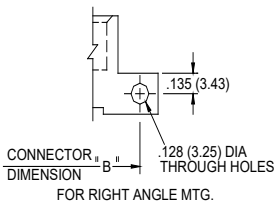
# 342/392 SERIES

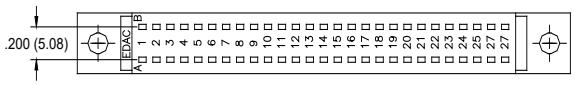
## Card Edge Connectors 0.100” (2.54mm) Pitch

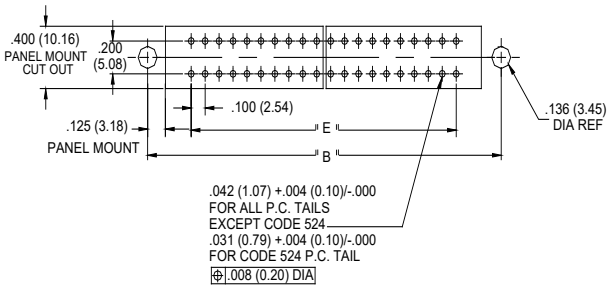


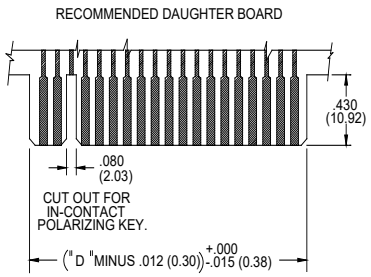



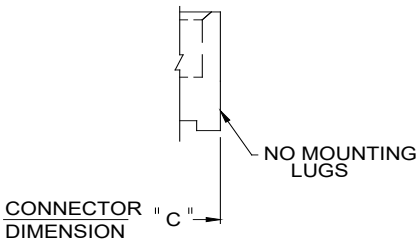

CONNECTOR MOUNTING PATTERN



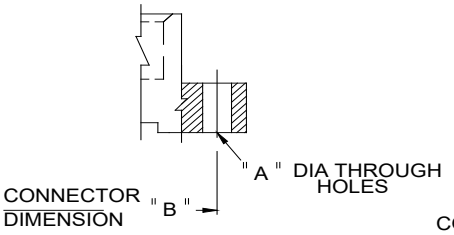

| NUMBER OF CONTACTS | | "A" | | "B" | | "C" | | "D" | | "E" | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Single | Double | Inch | mm | Inch | mm | Inch | mm | Inch | mm | Inch | mm |
| 5 | 10 | 1.300 | 33.02 | 1.022 | 25.96 | 0.746 | 18.95 | 0.600 | 15.24 | 0.400 | 10.16 |
| 10 | 20 | 1.800 | 45.72 | 1.522 | 38.66 | 1.246 | 31.65 | 1.100 | 27.94 | 0.900 | 22.86 |
| 15 | 30 | 2.100 | 53.34 | 1.822 | 46.28 | 1.546 | 39.27 | 1.400 | 35.56 | 1.200 | 30.48 |
| 13 | 26 | 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 |

# 342/392 SERIES

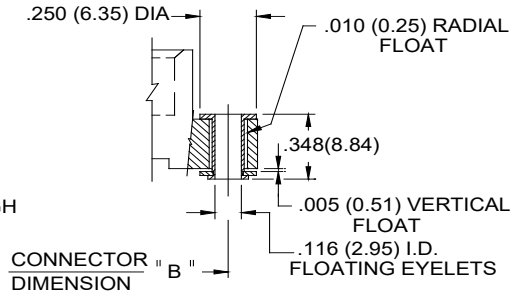
## Card Edge Connectors 0.100” (2.54mm) Pitch



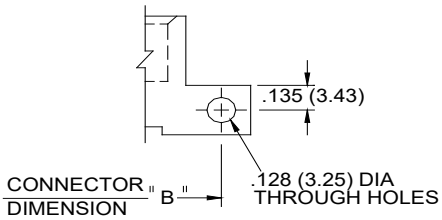

MOUNTING OPTION
CODE x01



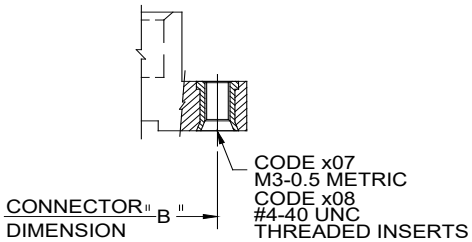

MOUNTING OPTION
CODES x02 and xO4




MOUNTING OPTION
CODE x03

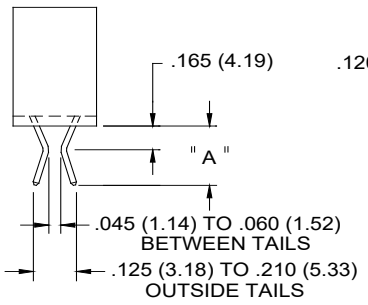



FOR RIGHT ANGLE MTG.
CODE X12

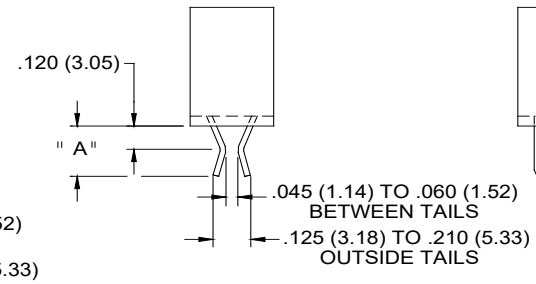



MOUNTING OPTION
CODES x07 & xO8

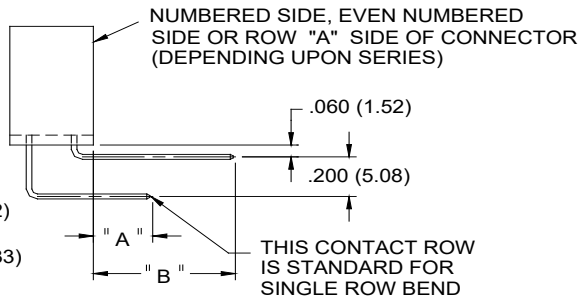
| CODE X02 AND X04- THROUGH MTG. HOLES | | |
|---|---|---|
| | CODE X02 | CODE X04 |
| "A" DIA. | 0.128(3.25)X 0.146(3.71) SLOT | 0.156(3.96) |
| CODE X07 AND X08- THREADED INSERTS | | |
| | CODE X07 | CODE X08 |
| INSERT | M3-0.5(METRIC) | #4-40 UNC |
| SIDE MOUNTING HOLES WITH INSERTS | | |
| | CODE X17 | CODE X18 |
| INSERT | M3-0.5(METRIC) | #4-40 UNC |



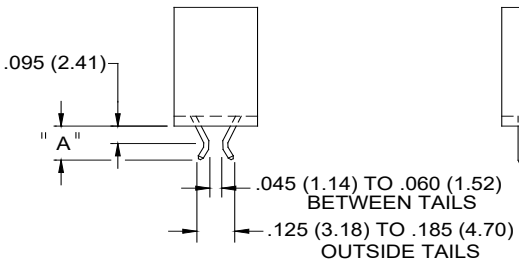

CONTACT CODE 560



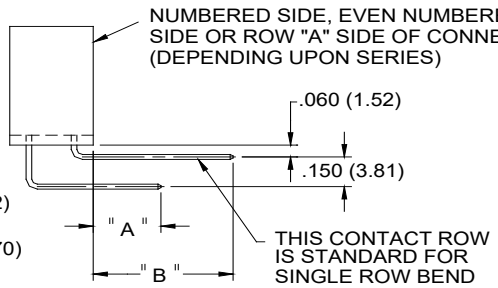

CONTACT CODE 555
BEND USES WIRE HOLE CONTACTS




CONTACT CODE 558




CONTACT CODE 556




CONTACT CODE 559

| MTG. OPTION | A | B |
|---|---|---|
| 555 | 0.255(6.48) | |
| 556 | 0.180(4.57) | |
| 558 | 0.245(6.22) | 0.645(16.38) |
| 559 | 0.295(7.49) | 0.645(16.38) |
| 560 | 0.385(9.78) | |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View 342-052-556-208 on WIN SOURCE
- EDAC Inc. Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
- Obsolete Management
- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management