

### Mounting Option

.344 (8.74) Offset Card Guides

### Contact Detail

Wire Hole .089x.014(2.29x0.36) - Tail LG=.213(5.41)

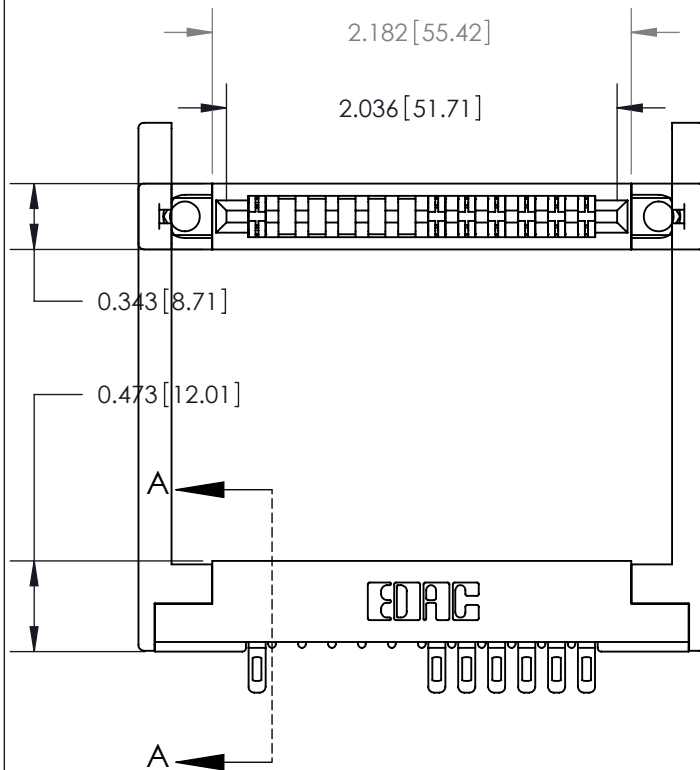
.156 [3.96] Contact Spacing x .200 [5.08] Row Spacing

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.175 [4.45] Point of Contact  
(Measured from bottom of Card Slot)

Card Slot Accepts .054 [1.37]  
to .070 [1.78] Thick P.C. Board

SECTION A-A

### See Accompanying Pages for:

- Contact Bend Details
- Mounting Options
- Features and Specifications

## 807 Series High Temp Card Edge Connector

Part Number: 807-012-501-168



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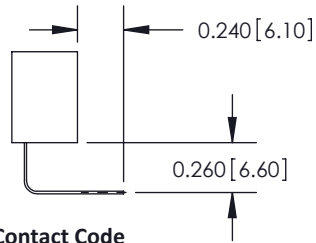
## Single Row Contacts - Read One Side of Daughter Board

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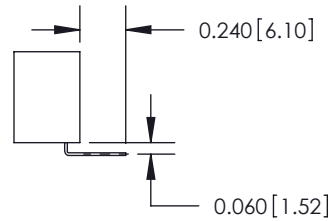


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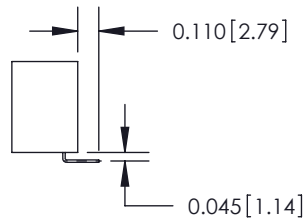


558 Contact Code

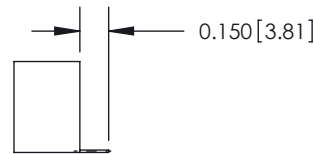


559 Contact Code

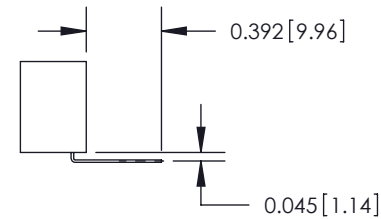
## Single Row Contacts - Read Both Sides of Daughter Board



553 Contact Code

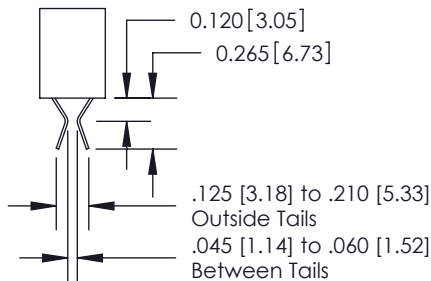


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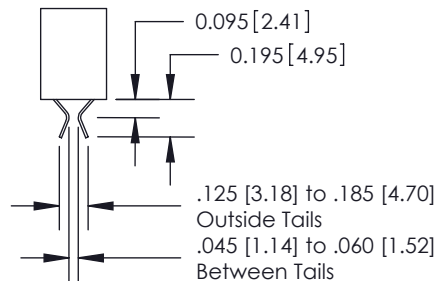


557 Contact Code

## Dual Row Contacts - Read Both Sides of Daughter Board

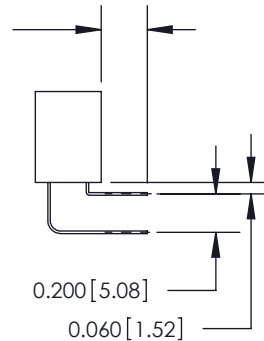


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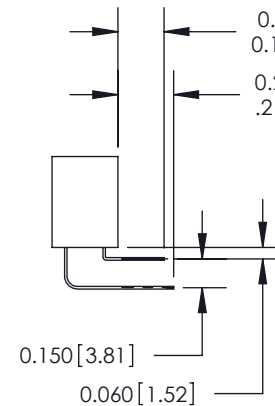
556 Contact Code

0.240 [6.10] Up to 27/54 Pin  
0.162 [4.11] 28/56 and Over

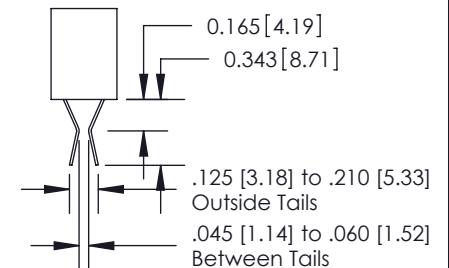


558 Contact Code

0.240 [6.10] Up to 27/54 Pin  
0.162 [4.11] 28/56 and Over  
0.290 [7.37] Up to 27/54 Pin  
.212 [5.38] 28/56 and Over



559 Contact Code



560 Contact Code

## 807 Series High Temp Card Edge Connector Contact Bend Detail



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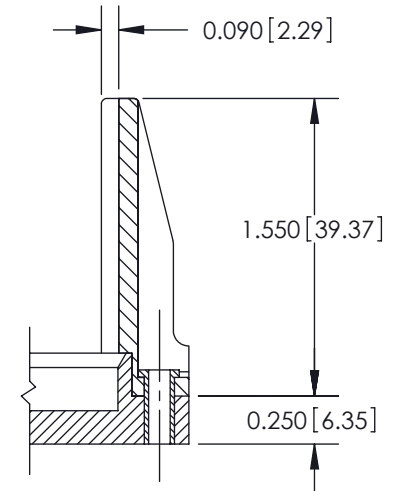
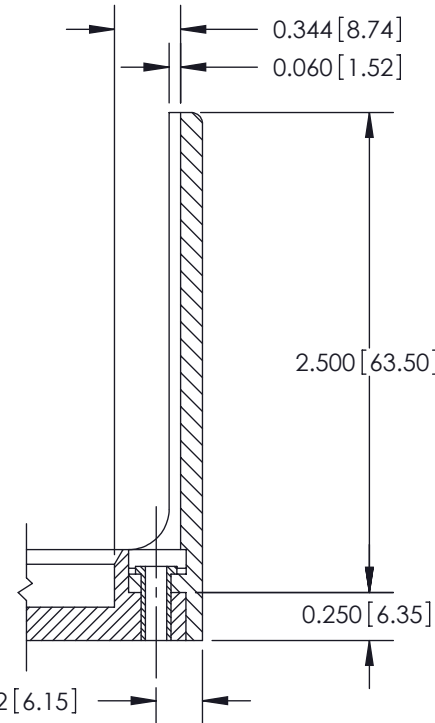
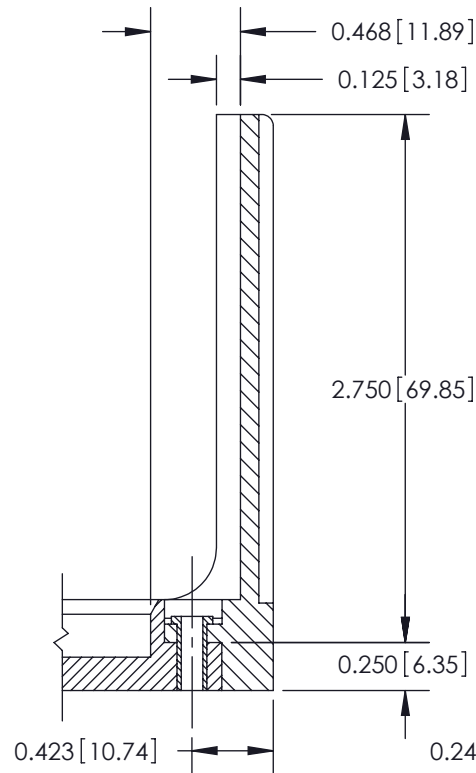
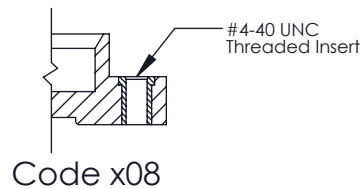
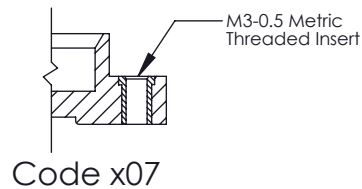
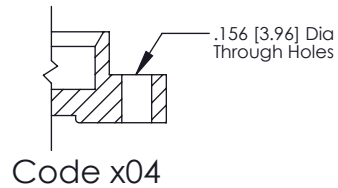
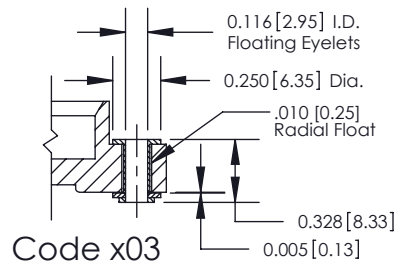
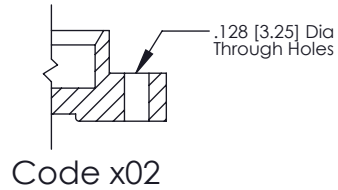
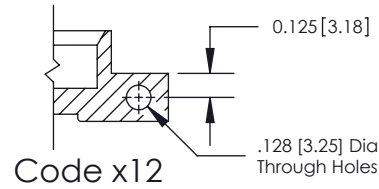
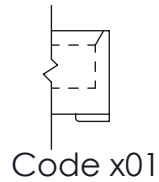
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## 807 Series High Temp Card Edge Connector Mounting Options



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SHEET 3 OF 4

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807 Assembly

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**Features**

- CSA Approved and UL Recognized
- .156 (3.96) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- Low Profile Insulator Body .473 (12.01), with Card Guides
- Contact Termination Options include P.C. Tail, Wire Hole, Wire Wrap, 90 Degree & Extender Board Bends
- Single or Dual Row Configurations
- Large Variety of Mounting Options
- Pre-assembled Card Guides Available
- Accepts Between Contact and In-Contact Polarizing Keys

**Specifications**

- Insulator Material: DAP
- Contact Material: Copper, Nickel, Tin Alloy CA-725
- Contact Plating: Gold on the Mating Area, Tin on the Contact Tails, Nickel Underplate
- Current Rating: 5 Amperes Continuous
- Contact Resistance: 10 Milliohms Maximum
- Dielectric Withstanding Voltage: 1800 V AC rms at Sea Level Between Adjacent Contacts
- Insulation Resistance: 5000 Megohms Minimum
- Operating Temperature: -65 to +165 °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

|                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                                   |                  |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------|------------------|-------|
| 807 Series High Temp Card Edge Connector<br>Features and Specifications                                                                                                                                                                                                                                                                                                                                          |  |  | ACAD REFERENCE NO. 807 ENG MASTER |                  |       |
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