

**Mounting Option**

.468 (11.89) Offset Card Guides

**Contact Detail**

90 Degree Bend (Code 522 and 540 Contacts)

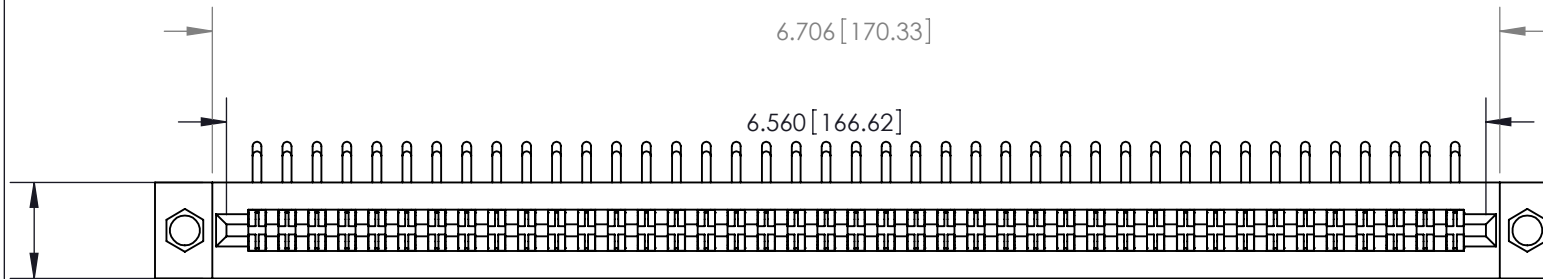
.156 [3.96] Contact Spacing x .200 [5.08] Row Spacing

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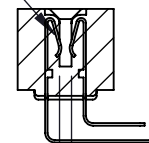
0.500 [12.70]

0.473 [12.01]

A ←

← A

.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: 807-041-559-158



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TORONTO, ONTARIO  
CANADA

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DRAWN: J.LEE DATE: AUG. 11/09

CHECKED: DATE:

SCALE: NTS SHEET 1 OF 4

DRAWING NUMBER 807 Assembly ISSUE 1

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

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558 Contact Code



559 Contact Code

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



553 Contact Code



554 Contact Code



557 Contact Code

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

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



555 Contact Code



556 Contact Code



558 Contact Code



559 Contact Code



560 Contact Code

807 Series High Temp Card Edge Connector Contact Bend Detail		ACAD REFERENCE NO. 807 ENG MASTER	
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### 807 Series High Temp Card Edge Connector Mounting Options



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DRAWING NUMBER ISSUE

807 Assembly

1



**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 Features and Specifications		ACAD REFERENCE NO. 807 ENG MASTER	
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