

**Mounting Option**

178-In-Line Card Guides

**Contact Detail**

500-Wire Hole .087x.015(2.21x0.38) - Tail LG.=.282(7.16)

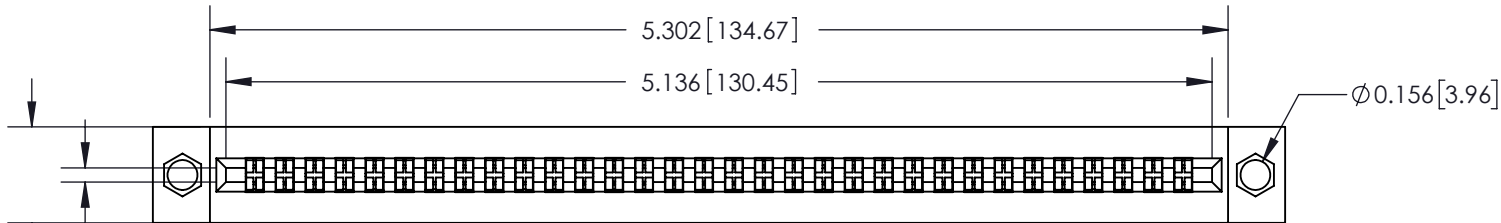
.156 [3.96] Contact Spacing with Single Centreline Row

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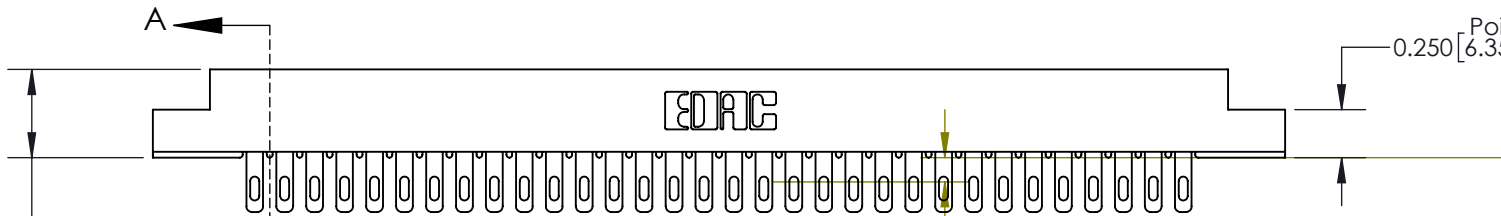
ISSUE NUMBER

ORIGINAL



Card Slot Accepts  
.054 (1.37) to .070 (1.78)  
Thick P.C. Board

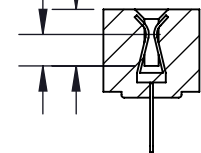
0.500 [12.70]



0.295 [7.49]  
Card Slot

0.165 [4.19]  
Point of Contact

0.250 [6.35]



SECTION A-A

0.460 [11.68]

**See Accompanying Pages for:**

- **Mounting Options**
- **Features and Specifications**

306 / 316 / 356 Card Edge Connector

Part Number: 316-032-500-178



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TORONTO, ONTARIO  
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DRAWN: J.LEE DATE: SEPT. 14/09

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DRAWING NUMBER 306 Assembly ISSUE 1

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		306 Assembly	1



**Features**

- 316/306/356 Series UL Recognized
- .156 (3.96) Contact Spacing with Single Centreline Row
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- Low Profile Insulator Body .460 (11.68)
- Contact Termination Options include P.C. Tail, Wire Hole & Wire Wrap
- Large Variety of Mounting Options
- Pre-assembled Card Guides Available
- Accepts Between Contact and In-Contact Polarizing Keys

**Specifications**

- Insulator Material: Thermoplastic Polyester, UL 94V-0
- Contact Material: Copper Alloy
- 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 +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

306 / 316 / 356 Card Edge Connector Features and Specifications		ACAD REFERENCE NO. 306 ENG MASTER	
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