

**Contact Information**

**520-P.C. Tail, Regular Point - Tail LG.=.175(4.45)**

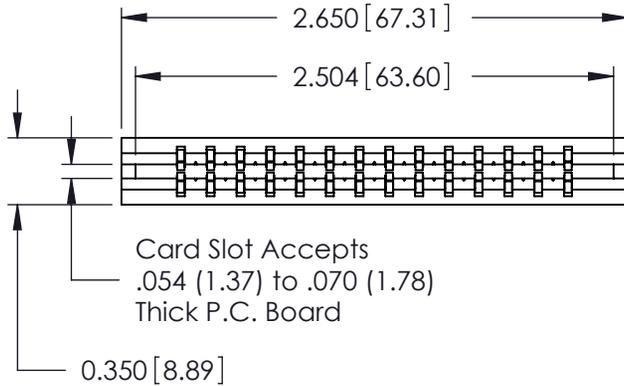
**.156" (3.96mm) Contact Spacing x .200" (5.08mm) Row Spacing**

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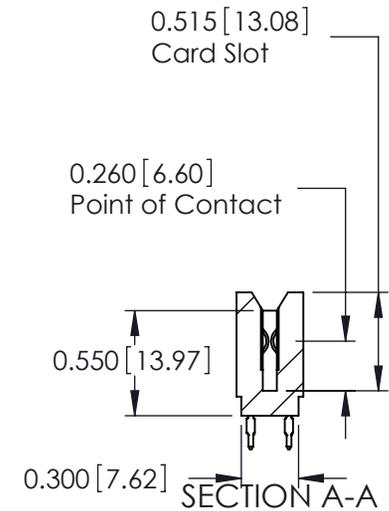
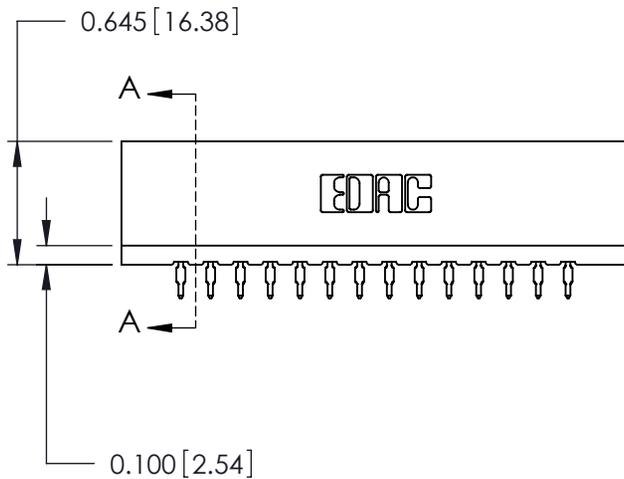


ISSUE NUMBER

ORIGINAL



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



**See Sheet 2 for Features and Specifications**

737 Series Ultra-Mate Card Edge Connector - Press Fit

Part Number: 737-028-520-206



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TORONTO, ONTARIO  
CANADA

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ACAD REFERENCE NO. 737-ENG MASTER

DRAWN: J.LEE DATE: AUG.28/09

CHECKED: DATE:

SCALE: SHEET 1 OF 2

DRAWING NUMBER 737-ENG MASTER ISSUE 1



**Features**

- UL Recognized
- .156 (3.96) Contact Spacing x .200 (5.08) Row Spacing
- Accepts .062 (1.57) Nominal Thickness P.C. Board
- High Profile Insulator Body, .645 (16.38) with End Notch Option
- Compliant Section for Gas-Tight Reliable Connection in Plated Through Holes Eliminates Soldering Operations
- Contact Termination Options Include P.C. Tail and .025 (0.64) Square Wire Wrap
- Single or Dual Row Configurations
- Accepts Between Contact and In-Contact Polarizing Keys
- Tools Available for Insulator and Contact Removal. Simple "Flat Rock" Tooling is Used for Contact Installation

**Specifications**

- Insulator Material: Thermoplastic Polyester, UL 94V-0, Colour: Black
- Contact Material: Copper Alloy
- Contact Plating: 30 Microinches (0.76 Microns) Gold on the Mating Area, Tin on the Compliant Section and Contact Tails, Nickel Underplate. Other Plating Options Available Upon Request.
- Current Rating: 3 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
- Daughter Board Insertion Force: 16 oz (4.45 N) Maximum per Contact Pair When Tested with a .070 (1.78) Thick Gauge
- Daughter Board Withdrawal Force: 1 oz (0.28 N) Minimum per Contact Pair When Tested with a .054 (1.37) Thick Gauge
- Contact Insertion into Hole: 20 lbs (89 N) Maximum
- Contact Retention in Hole: 10 lbs (44 N) Minimum
- Re-Insertability of Hole: 3 Times Minimum

737 Series Ultra-Mate Card Edge Connector - Press Fit		ACAD REFERENCE NO. 737-ENG MASTER	
Features and Specifications		DRAWN: J.LEE	DATE: AUG.28/09
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