

Mounting Option

08-#4-40 Unified Threaded Inserts

Contact Detail

500-Wire Hole .087x.013(2.21x0.33) - Tail LG.=.282(7.16)

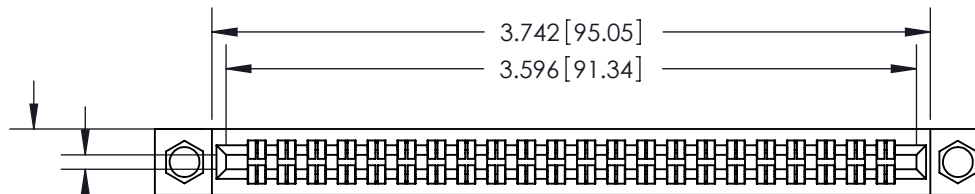
.156 [3.96] Contact Spacing x .140 [3.56] Row Spacing

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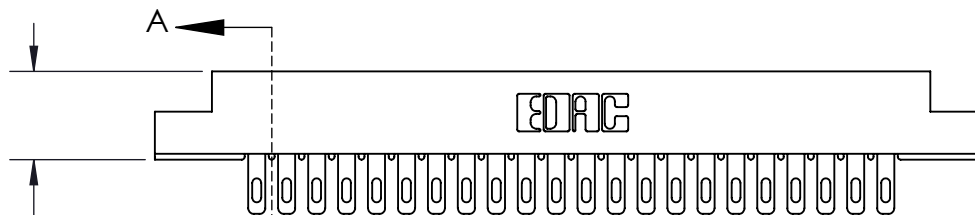
ISSUE NUMBER

ORIGINAL



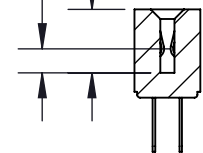
Card Slot Accepts
.054 (1.37) to .070 (1.78)
Thick P.C. Board

0.343 [8.71]



0.460 [11.68]

0.330 [8.38]
Card Slot
0.125 [3.18]
Point of Contact



SECTION A-A

See Accompanying Pages for:

- Mounting Options
- Features and Specifications

305 / 315 / 355 Card Edge Connector

Part Number: 305-044-500-508



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DRAWN: J.LEE

DATE: SEPT. 21/09

CHECKED:

DATE:

SCALE: NTS

SHEET 1 OF 3

DRAWING NUMBER

305 Assembly

ISSUE

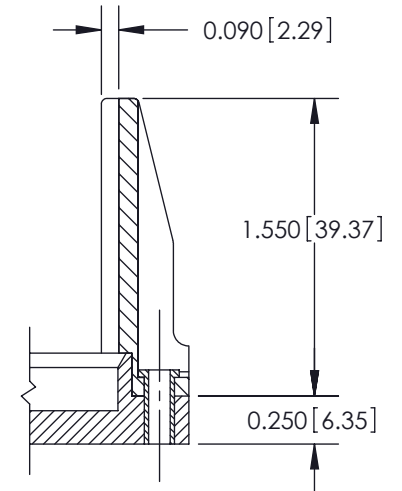
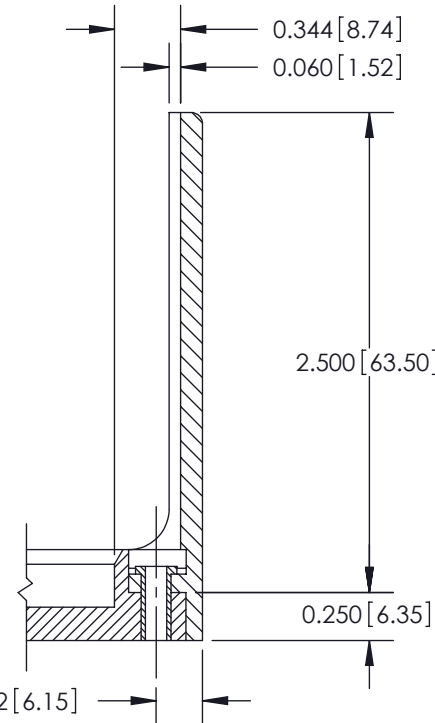
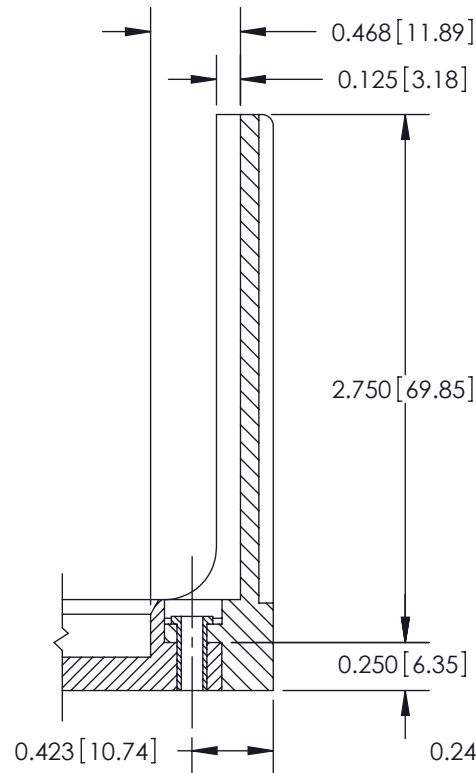
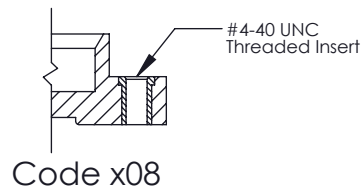
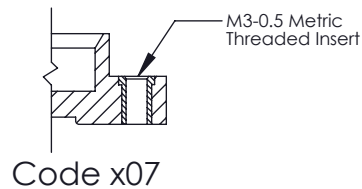
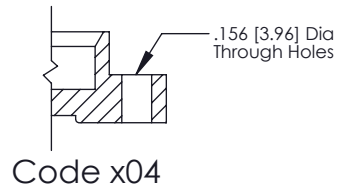
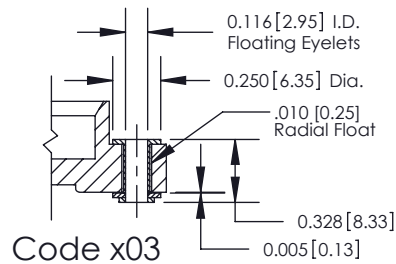
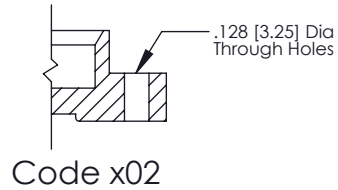
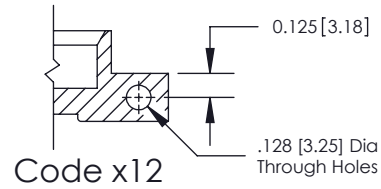
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305 / 315 / 355 Card Edge Connector Mounting Options



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SCALE: NTS SHEET 2 OF 3

DRAWING NUMBER ISSUE

305 Assembly

1



Features

- 305/355 Series CSA Approved and UL Recognized
- 315 Series UL Recognized
- .156 (3.96) Contact Spacing x .140 (3.56) Row Spacing
- 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 & Extender Board Bends
- 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, 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 +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

305 / 315 / 355 Card Edge Connector Features and Specifications			ACAD REFERENCE NO. 305 ENG MASTER		
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			305 Assembly		1

Mouser Electronics

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