

Mounting Option

M3-0.5 Metric Threaded Inserts

Contact Detail

90 Degree Bend (Code 501 Contacts)

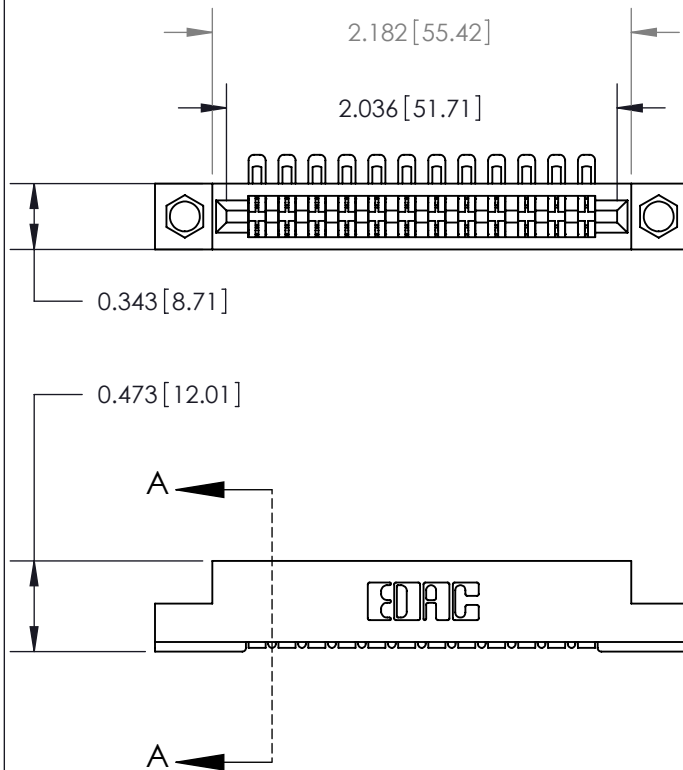
.156 [3.96] Contact Spacing x .200 [5.08] Row Spacing

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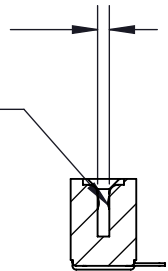
ISSUE NUMBER

ORIGINAL



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

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



SECTION A-A

See Accompanying Pages for:

- Contact Bend Details
- Mounting Options
- Features and Specifications

307 / 357 Card Edge Connector

Part Number: 307-012-554-107



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SHEET 1 OF 4

DRAWING NUMBER

307 Assembly

ISSUE

1

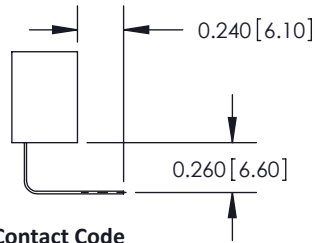
Single Row Contacts - Read One Side of Daughter Board

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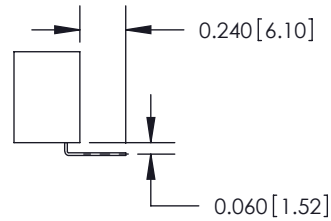


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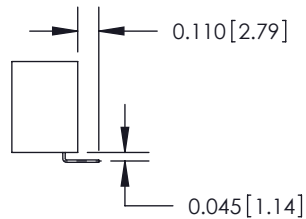


558 Contact Code

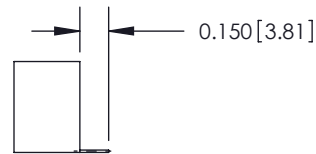


559 Contact Code

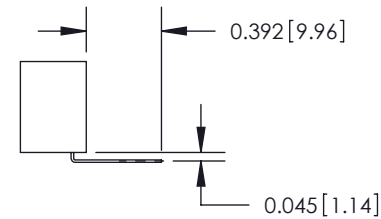
Single Row Contacts - Read Both Sides of Daughter Board



553 Contact Code

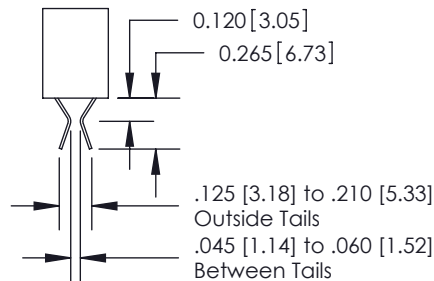


554 Contact Code

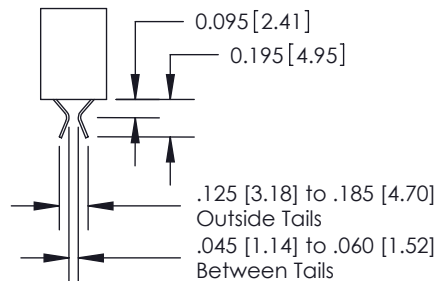


557 Contact Code

Dual Row Contacts - Read Both Sides of Daughter Board

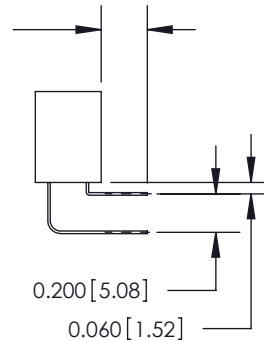


555 Contact Code



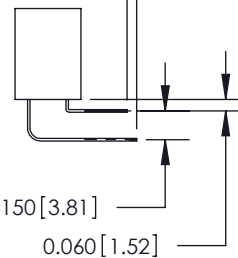
556 Contact Code

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

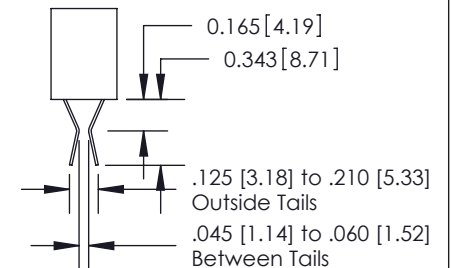


558 Contact Code

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

307/ 357 Series Card Edge Connector Contact Bend Detail



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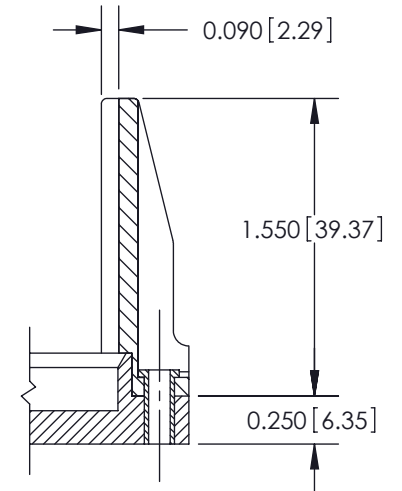
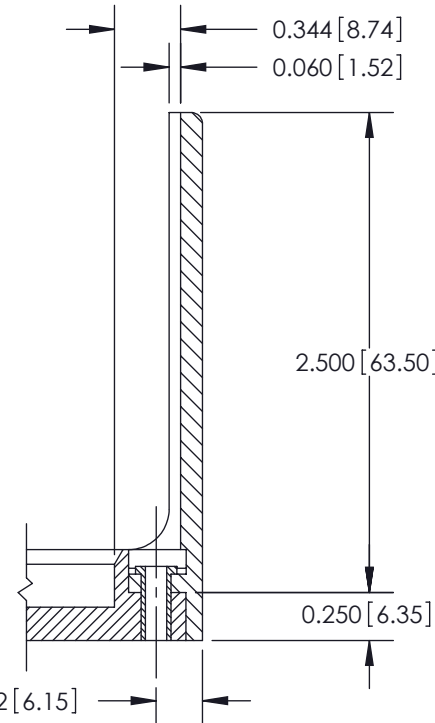
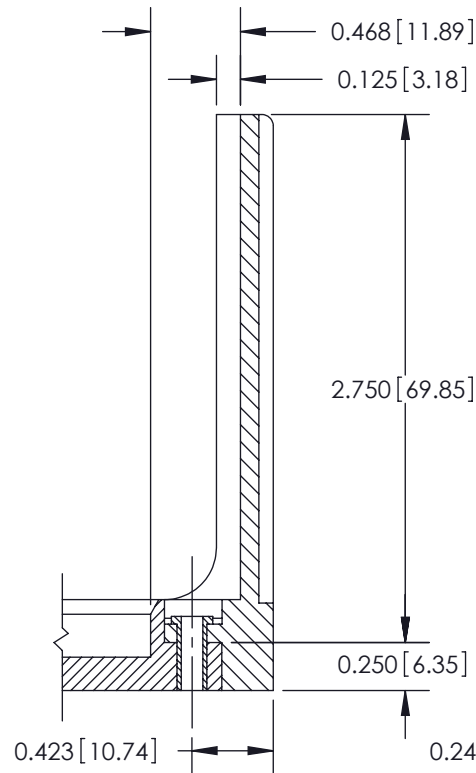
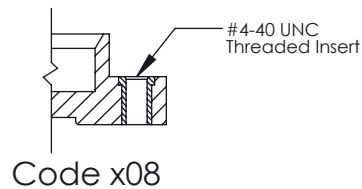
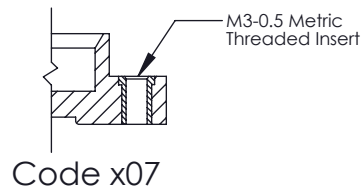
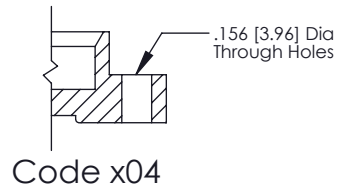
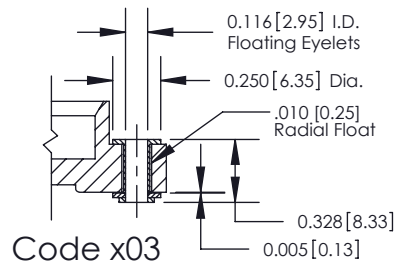
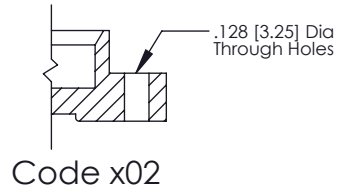
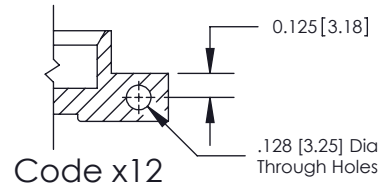
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307 / 357 Card Edge Connector Mounting Options



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SHEET 3 OF 4

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307 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: 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 +125 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

307 / 357 Card Edge Connector Features and Specifications			ACAD REFERENCE NO. 307 ENG MASTER	
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		DRAWING NUMBER		ISSUE
		307 Assembly		1

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