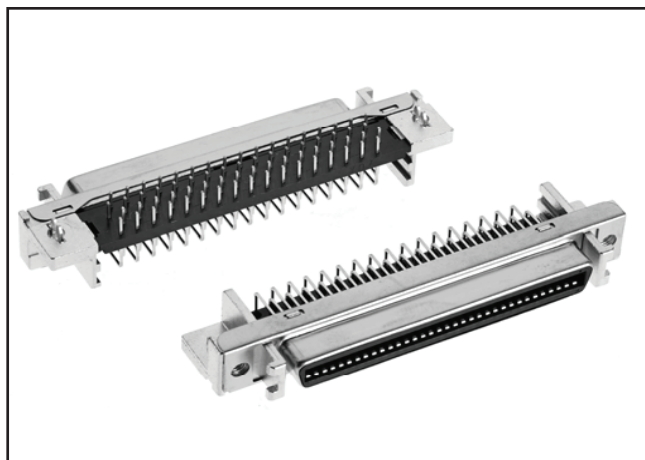


3M™ Mini D Ribbon (MDR) Connectors

.050" Boardmount Through-Hole Right Angle Receptacle - Shielded, SCSI-2 Layout 102 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- Ground lock for reliable PCB retention
- Interface latch design for connection stability
- 68 position
- Reverse pin layout pattern - SCSI-2 layout compatible
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 21, 2009

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Sheet 1 of 3

Physical

Insulation Material: Glass Reinforced Polyester (PBT)

Insulation Flammability: UL 94V-0

Insulation Color: Black

Contact Material: Copper Alloy

Plating:

Underplating: 80 μ" [2.03 μm] Nickel

Wiping Area: 30 μ" [0.76 μm] Min. Gold over Nickel

Solder Tail Plating: Gold Flash over Nickel (RIA E1 & C1 apply)

Body Material: Zinc Alloy

Body Plating: Nickel

Ground Lock Material: Copper Alloy

Plating: Matte Tin

Shroud and Latch Hook Material: Steel

Shroud and Latch Hook Plating: Nickel

Marking: 3M Logo and Part Number

Electrical

Current Rating: 1 A

Insulation Resistance: $> 5 \times 10^8 \Omega$ at 500 V_{DC}

Withstanding Voltage: 500 V_{RMS} for 1 Minute

Environmental

Temperature Rating: -55°C to +105°C

Process Rating: Solder Dip Test - 260°C for 10 sec, 2 times after 100°C max. preheat, 60 sec max. duration

UL File No.: E68080



Electronic Solutions Division
Interconnect Solutions
<http://www.3M.com/interconnects/>

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800-225-5373

.050" Boardmount Through-Hole Right Angle Receptacle - Shielded, SCSI-2 Layout 102 Series

Technical drawing of a mechanical component, likely a spring-loaded plunger or actuator. The drawing includes a side view and a cross-sectional view.

Dimensions (inches and millimeters):

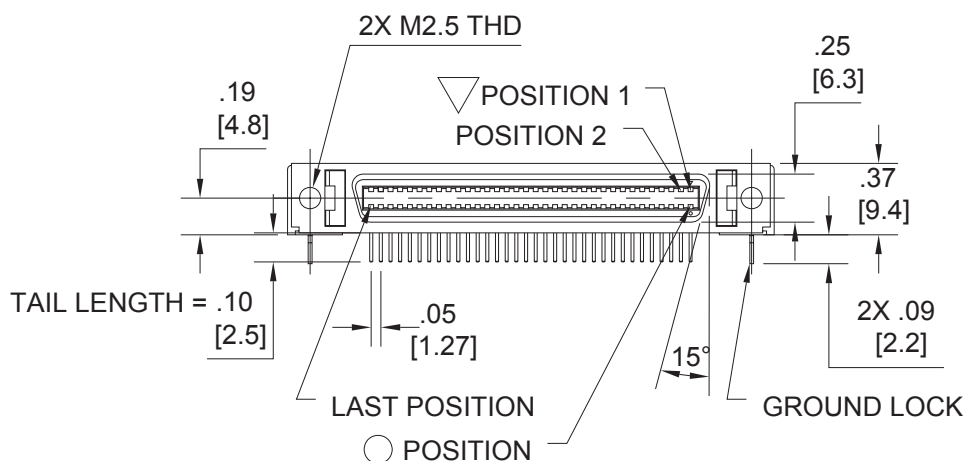
- Overall length: 2.51 [63.8]
- Distance from left face to center of spring: 2.28 [57.9]
- Distance from left face to center of plunger: 1.650 [41.91]
- Distance from left face to center of plunger (alternative): 1.85 [46.9]
- Distance from left face to center of plunger (alternative): 2.12 [53.8]
- Overall width: .26 [6.7]
- Distance from left face to center of plunger (alternative): .45 [11.5]
- Distance from left face to center of plunger (alternative): .21 [5.3]
- Distance from left face to center of plunger (alternative): 1.9 [48.8]
- Distance from left face to center of plunger (alternative): .05 [1.3]
- Distance from left face to center of plunger (alternative): .05 [1.3]
- Distance from left face to center of plunger (alternative): .19 [4.8]
- Distance from left face to center of plunger (alternative): .075 [1.9]
- Distance from left face to center of plunger (alternative): .19 [4.8]
- Distance from left face to center of plunger (alternative): .28 [7.2]

Position Callouts:

- POSITION 3
- POSITION 2
- POSITION 1
- POSITION

Other Labels:

- LAST POSITION
- 0.016 SQ [0.40]



() Dimensions used for Reference Only



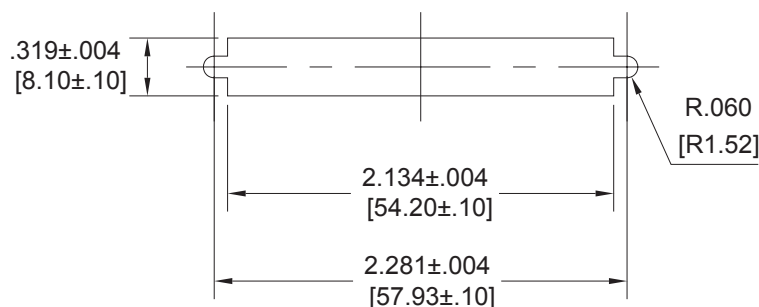
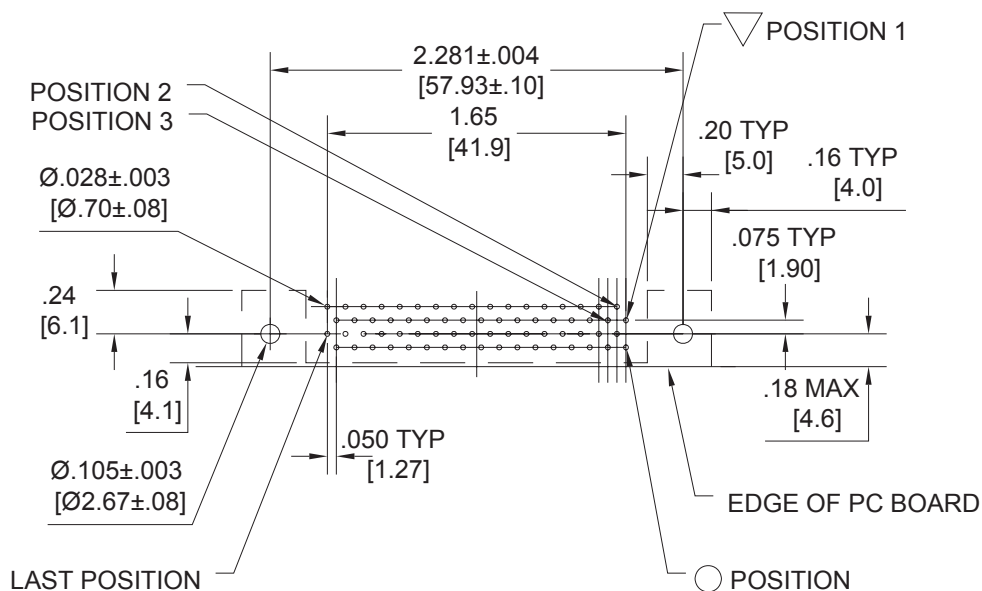
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3M™ Mini D Ribbon (MDR) Connectors

.050" Boardmount Through-Hole Right Angle Receptacle - Shielded, SCSI-2 Layout 102 Series

Recommended PC Board Layout



Recommended Panel Cut-Out

Inch (mm)			
Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

() Dimensions used for Reference Only

Note: Panel thickness .079 [2.00] max.

Ordering Information

10268 - 5JBEP

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3M Electronics Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3mconnectors.com

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