3M[™] Mini D Ribbon (MDR) Connectors

.050" Boardmount Through-Hole R. A. Condo Receptacle - Shielded

102 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- Screw lockdown for reliable PCB retention
- Interface latch design for connection stability
- Stacked receptacles save board space
- Contacts: $40 (2 \times 20)$, $100 (2 \times 50)$ and $136 (2 \times 68)$
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: May 20, 2010

TS-0671-C Sheet 1 of 3

Physical

Insulation Material: Glass Reinforced Polyester (PBT)

Flammability: UL 94V-0 Color: Black

Contact Material: Copper Alloy

Plating

Underplating: 80 μ" [2.0 μm] Nickel Wiping Area: 20 μ" [0.50 μm] Min. Gold

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

Body Material: Zinc Alloy Plating: Nickel

Shroud & Latch Hook

Material: Steel Plating: Nickel

Other Materials: Zinc Die Cast (Ground Lock), Stainless Steel (Joint Plate)

Marking: 3M Logo and Part Number

Electrical

Current Rating: 1A

Insulation Resistance: $>5 \times 10^8 \Omega$ at $500 \, V_{DC}$ **Withstanding Voltage:** $500 \, V_{RMS}$ for 1 Minute

Environmental

Temperature Rating: -20°C to +85°C

Process Rating: Solder Dip Test – 260°C for 10 secs., two times after 100°C max. preheat, 60 sec.

max. duration.

UL File No.: E68080

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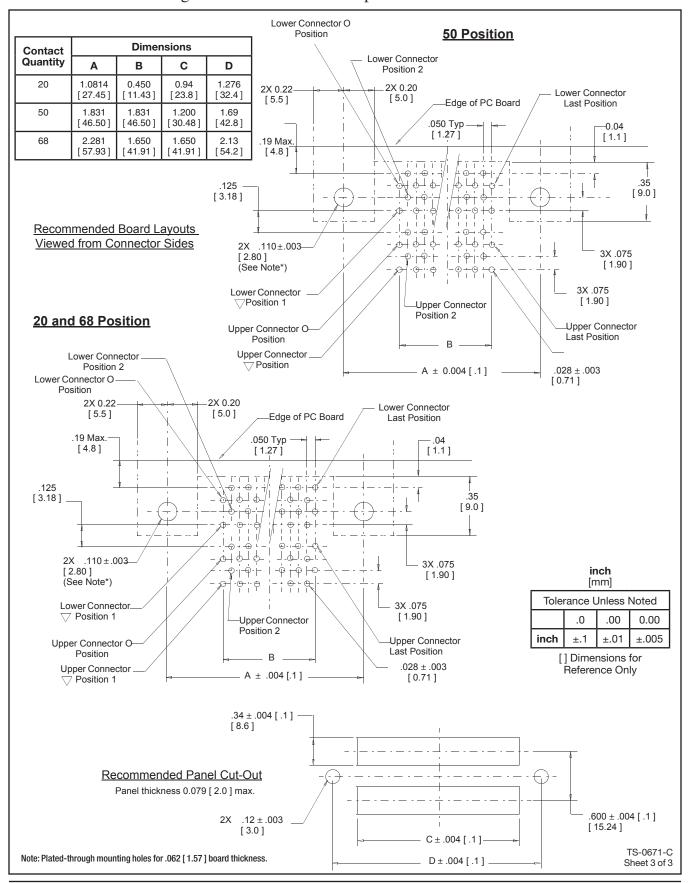
102 Series

Contact	Contact Dimensions							
Quantity	Α	В	С	D	E	F	G	
20	0.450 [11.43]	1.08 [27.5]	1.41 [35.8]	0.65 [16.4]	0.92 [23.4]	1.74 [44.2]	1.276 [32.4]	
50	1.200 [30.48]	1.831 [46.5]	2.17 [55.0]	1.40 [35.5]	1.67 [42.4]	2.47 [62.7]	2.03 [51.5]	
68	1.650 [41.91]	2.281 [57.93]	2.61 [66.4]	1.85 [46.9]	2.12 [53.8]	2.92 [74.1]	2.48 [62.9]	
Upper Position 1 Upper Position 2 Lower Position 1 Upper Last Position 2 Lower Ast Position 1 [2.9] 45 [11.5] 31 [7.8] □ D D D D D D D D D D D D D								
Upper Last Position 1 Upper Last Position 1 Upper O Position 1 Lower ∇ Position 1 11 [2.8] [12.4] [9.1] [6.3] Lower Last Position 1 [(0.3)]								
Ordering Information 102XX - M218PE Contact Quantity: 20 - 2 × 20 = 40 Contacts 50 - 2 × 50 = 100 Contacts 68 - 2 × 68 = 136 Contacts								

Sheet 2 of 3

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the legal theory asserted.

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3M Electronics Solutions Division

AMEYA360 Components Supply Platform

Authorized Distribution Brand:

























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