

3M™ Mini D Ribbon (MDR) Connectors

.050" Straddlemount Plug - Shielded

101 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- Solder tails require no special tooling
- Contacts: 26, 50, 68, and 100
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: August 26, 2008

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Physical

Insulation Material: Glass Reinforced Polyester (PCT) - Body
Glass Reinforced Polyester (LCP) - Insert Mold

Flammability: UL 94V-0

Color: Black

Contact Material: Copper Alloy

Underplating: 80 μ " [2.0 μ m] Nickel

Wiping Area Plating: See Ordering Information

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

Body Material: Zinc Alloy

Plating: Nickel

Shroud:

Material: Steel

Plating: Nickel

Marking: 3M Logo & 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: -20 °C to +85 °C

UL File No.: E68080

3M

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

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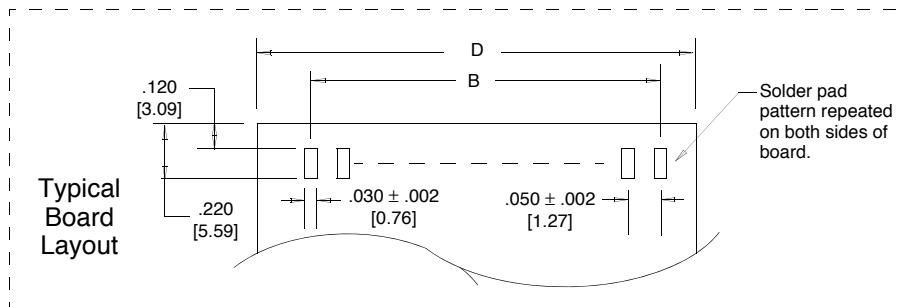
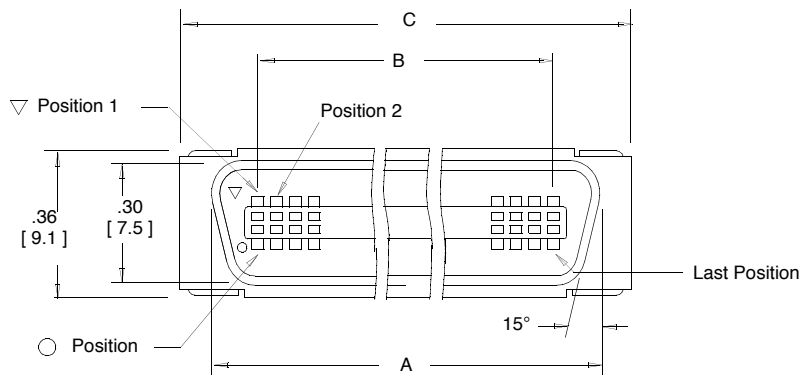
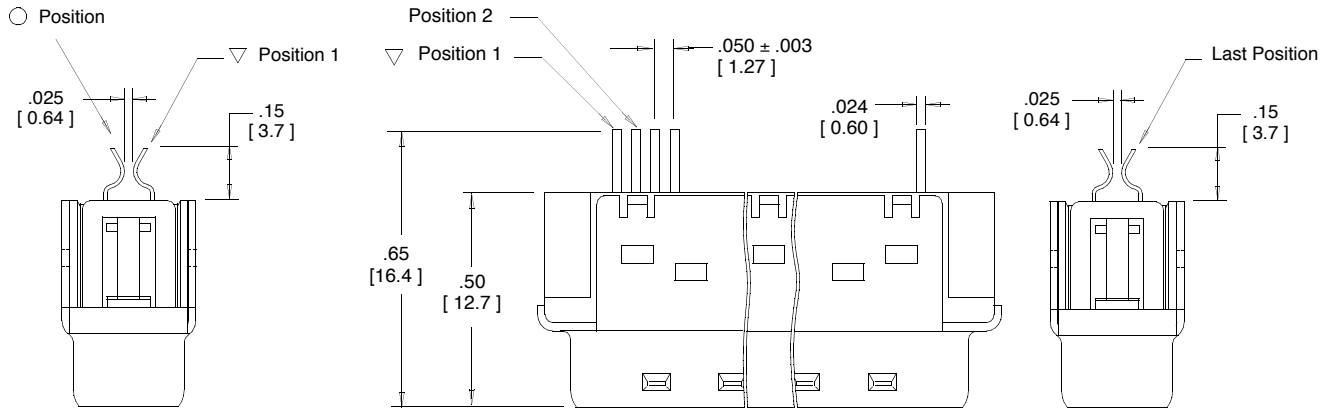
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Positions	Dimensions			
	A	B	C	D
26	0.84 [21.4]	0.60 [15.2]	1.02 [25.8]	0.68 [17.2]
50	1.44 [36.6]	1.20 [30.5]	1.62 [41.1]	1.27 [32.3]
68	1.89 [48.1]	1.65 [41.9]	2.70 [52.5]	1.72 [43.7]
100	2.66 [67.5]	2.45 [62.2]	2.87 [72.8]	2.52 [64.0]



Inch [mm]			
Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[] Dimensions for Reference Only

Ordering Information

101XX - 900APX

Contact Quantity
(See Table)

Wiping Contact Plating:

L = 8 μ" [0.2 μm] min. Gold (RIA E1 & C1 apply)

C = 30 μ" [0.76 μm] min. Gold (RIA E1 & C1 apply)

Note:
A0 = 100

Compatible Board Thickness
A = 1.0 mm standard
(0 = 1.6 mm special order)

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