

# 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

TS-0698-C  
Sheet 1 of 2

---

## 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  $\mu$ " [ 2.0  $\mu$ 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<sub>DC</sub>

**Withstanding Voltage:** 500 V<sub>RMS</sub> 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/>

3M is a trademark of 3M Company.  
For technical, sales or ordering information call  
**800-225-5373**

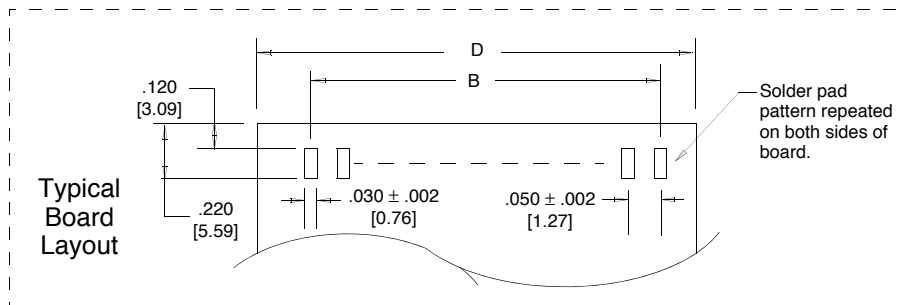
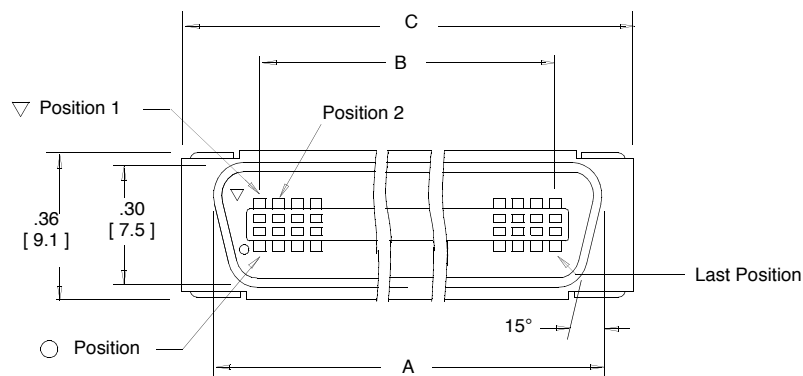
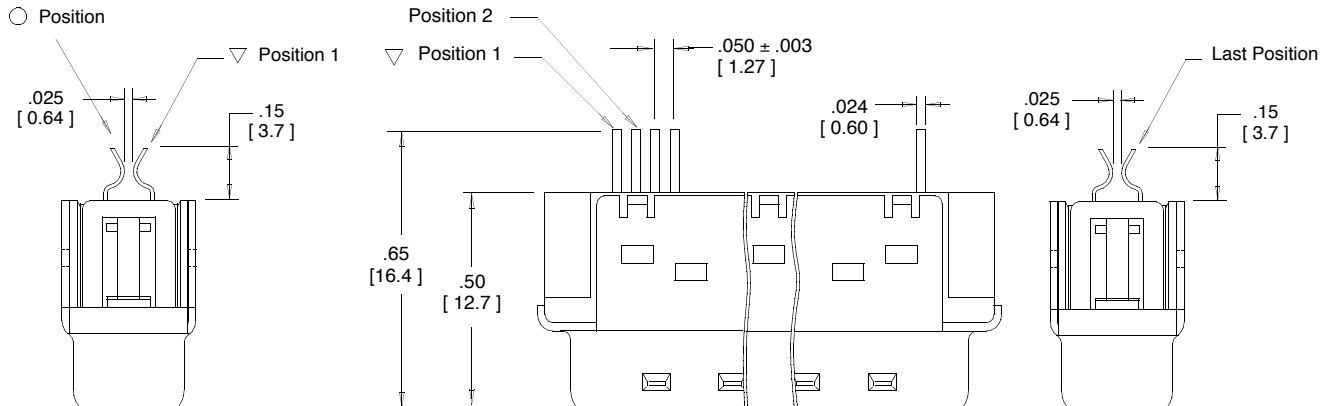
# 3M™ Mini D Ribbon (MDR) Connectors

.050" Straddlemount Plug - Shielded

101 Series



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)

TS-0698-C  
Sheet 2 of 2