3M™ Mini D Ribbon (MDR) Connectors

.050″ Solder Plug Connector — Shielded 101 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- Solder cup termination requires no special tooling
- Accepts a wide variety of discrete wire (24 to 30 AWG) cable construction
- Contacts: 14, 20, 26, 36, 40 and 50

Date Modified: June 26, 2003

Physical

Insulation	
Material:	Glass Reinforced Polyester (PCT)
Flammability:	UL 94V-0
Color:	Black
Contact	
Material:	Copper Alloy (C521)
Plating	
Underplating:	80 μ″ (2.0 μm) Nickel — QQ-N-290, Class 2
Wiping Area:	20 μ″ (0.51 μm) Min Gold — MIL-G-45204, Type II, Grade C
Solder Area:	Tin-Lead
Shroud	
Material:	Steel
Plating:	Nickel
Wire Accomodation:	24, 26, 28 & 30 AWG
Marking:	3M Logo and Part Number

Electrical

Current Rating:	1 A
Insulation Resistance:	> $5 \times 10^8 \Omega$ at 500 VDC
Withstanding Voltage:	500 Vrms for 1 Minute

Environmental

Temperature Rating:	–55°C to +105°C
Solder Process:	360°C max for 10 sec. max

UL File No.: E68080

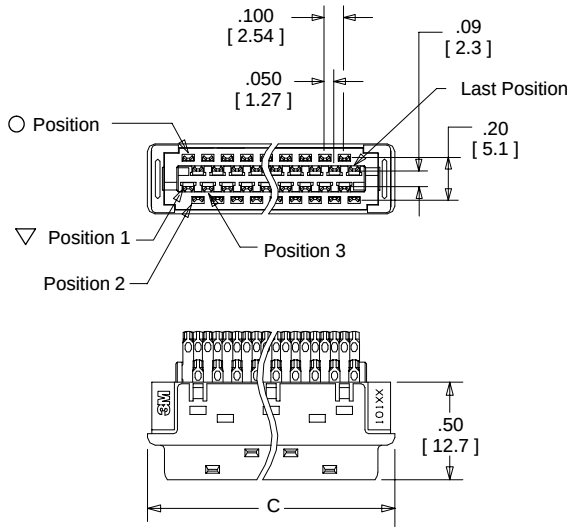
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.050″ Solder Plug Connector — Shielded

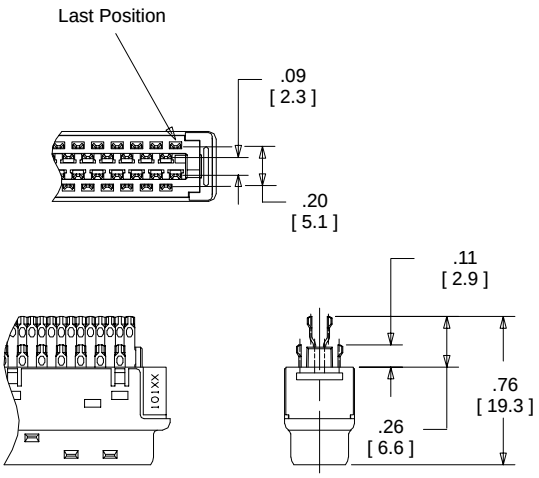
101 Series

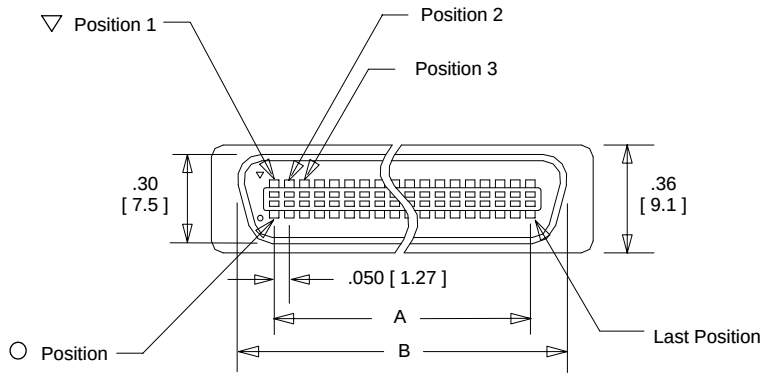
Contact Quantity	Dimensions		
	A	B	C
14	.300 [7.62]	.54 [13.8]	.72 [18.2]
20	.450 [11.43]	.69 [17.6]	.87 [22.0]
26	.600 [15.24]	.85 [21.5]	1.02 [25.8]
36	.850 [21.59]	1.09 [27.8]	1.27 [32.2]
40	.950 [24.13]	1.19 [30.3]	1.37 [34.7]
50	1.200 [30.48]	1.44 [36.7]	1.62 [41.1]

20, 36 & 40 Position



14, 26 & 50 Position





Inch
[mm]

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

[ ] Dimensions for Reference only

Ordering Information

101XX-3000VE

Contact Quantity (See Table)

Note: This solder plug connector must be used with only 3M Non-Shielded Shell Kits 103XX-52FO-008 Series and 103XX-52A0-008 Series.

3M
Interconnect Solutions
http://www.3M.com/interconnects/

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