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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
- RoHS* compliant version available

Date Modified: May 25, 2005

Physical

Insulation Material:	Glass Reinforced Polyester (PCT)
Flamability:	UL 94V-0
Color:	Black
Contact Material:	Copper Alloy (C521)
Plating	
Underplating:	80 µ″ (2.0 µm) Nickel
Wiping Area:	Gold (see ordering information)
Solder Area:	Gold (RoHS compliant) or Tin-Lead (see ordering information)
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:	$> 1 \times 10^8 \Omega$ 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

* RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment "RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or prolybromianted diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080

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For technical, sales or ordering information call
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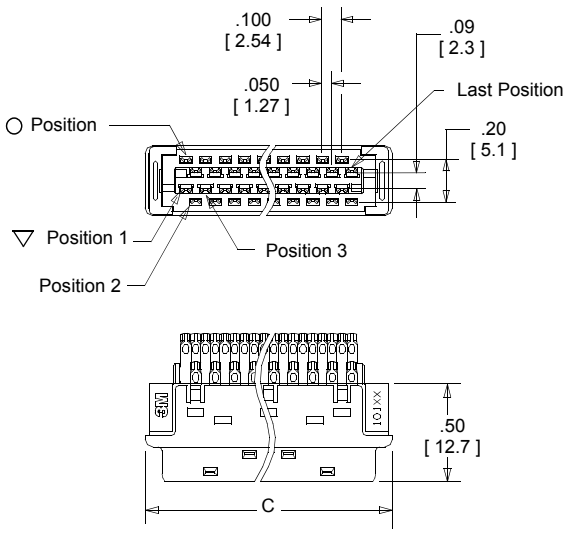
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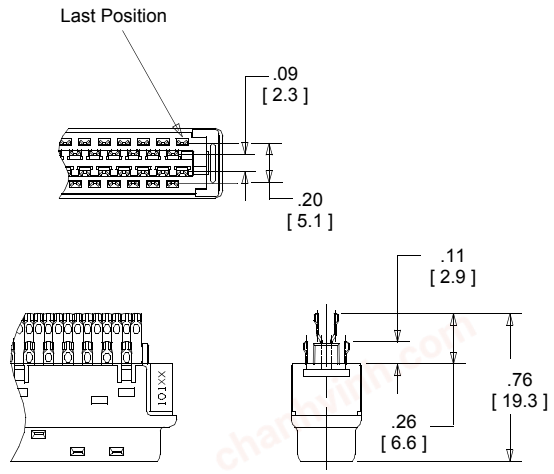
101 Series

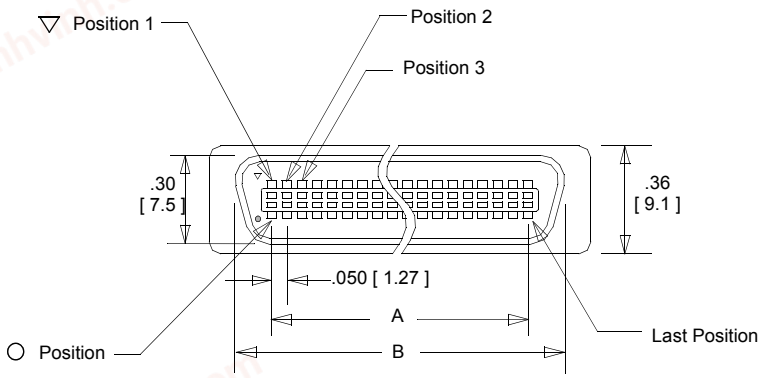
Contact Quantity	Dimensions		
	A	B	C
14	.300 [7.62]	.54 [13.8]	.72 [18.2]
20	.450 [11.43]	.69 [17.6]	.87 [22.0]
26	.600 [15.24]	.85 [21.5]	1.02 [25.8]
36	.850 [21.59]	1.09 [27.8]	1.27 [32.2]
40	.950 [24.13]	1.19 [30.3]	1.37 [34.7]
50	1.200 [30.48]	1.44 [36.7]	1.62 [41.1]

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-3000-XX

- XX (Contact Quantity): Contact Quantity (See Table)
- 3000: P = Gold flash solder cup (RoHS compliant); V = Tin-lead solder cup
- XX (Plating): C = 30µ" [.76 µm] min gold wiping interface; E = 20µ" [.5 µm] min gold wiping interface

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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