勝 特 力 材 料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

3M™ Mini D Ribbon (MDR) Connectors

.050" IDC Wiremount Plug - Shielded

101 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- MDR digital LCD interface as a 20 or 26 contact connector
- IEEE 1284C Interface as a 36 contact connector
- Accepts a wide variety of cable constructions including flat, round, twisted pair and twinax cables
- Accepts a wide variety of shielded junction shells
- Contacts: 14, 20, 26, 36, 40, 50, 68, 80 and 100
- 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: July 19, 2010

Physical

Insulation Material:	Glass Reinforced Polyester
Flammability:	UL 94V-0
Body Color:	Black
Cover Color:	Black, Gray
Contact:	
Material:	Beryllium Copper
Underplating:	80 µ" [2.0 µm] Nickel
Wiping Area Plating:	30 µ" [0.76 µm] Min. Gold
IDC Contacts Plating:	Gold flash
Shroud:	
Material:	Steel
Plating:	Nickel
Wire Accommodation:	
Black Cover:	28 AWG Stranded, 30 AWG Solid (Insulation Diameter = 0.7 mm Max.)
Gray Cover:	26 AWG Solid (Insulation Diameter = 0.7 mm to 0.9 mm)
Marking:	3M Logo and Part Number

Electrical

Current Rating:	1 A
Insulation Resistance:	$>1 \times 10^8 \Omega$ at 500 V_{DC}
Withstanding Voltage:	500 V_{RMS} for 1 Minute

Environmental

Temperature Rating:	-20°C to +85°C

UL File No.: E68080

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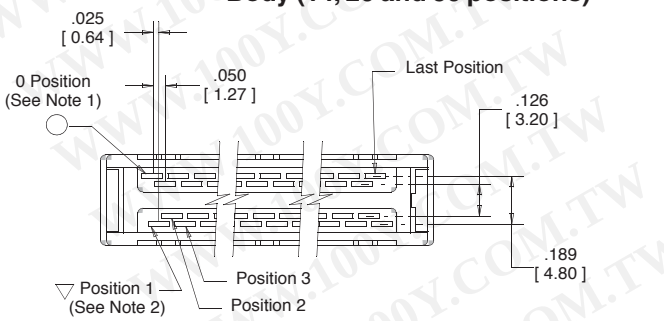
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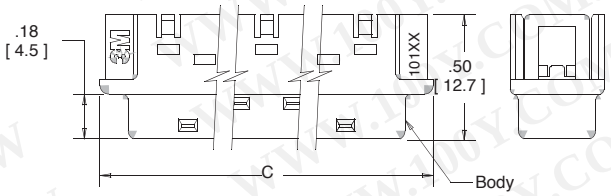
101 Series

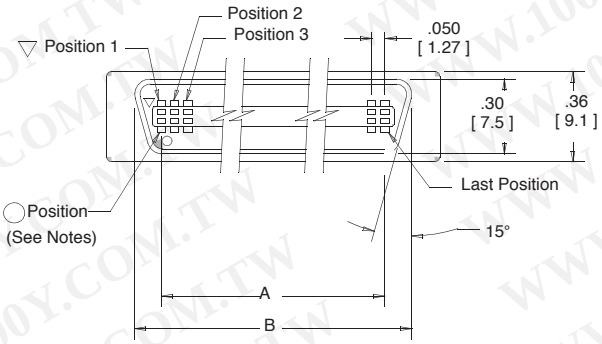
Contact Quantity	Dimensions			
	A	B	C	D
14	.300 [7.62]	.54 [13.8]	.72 [18.2]	.58 [14.7]
26	.600 [15.24]	.84 [21.4]	1.02 [25.8]	.88 [22.4]
50	1.200 [30.48]	1.44 [36.6]	1.62 [41.1]	1.48 [37.6]

c UL us

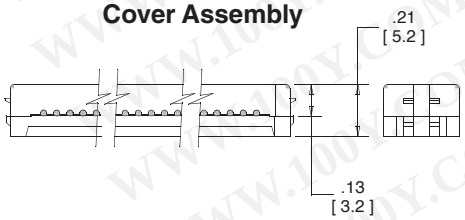
Body (14, 26 and 50 positions)



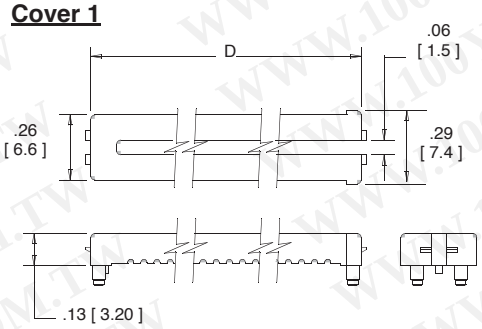




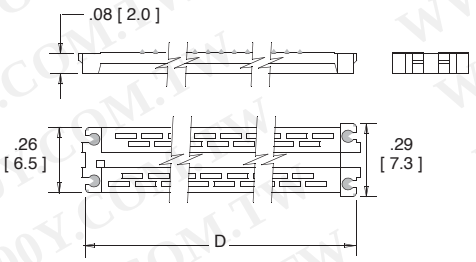
Cover Assembly



Cover 1



Cover 2



Notes:

1. Circle (0) position indicates #1 position in cable, when utilizing 0.025" pitch flat cable.
2. Triangle (△) position indicates #2 position in cable, when utilizing 0.025" pitch flat cable.

inch
[mm]

Tolerance Unless Noted			
	.0	.00	0.00
inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only

Ordering Information

(See page 3 for other sizes and assembly tools.)

101XX - 60X0EC

- Contact Quantity: (see Table) Note: 100 pos = A0
- Wire Accommodation: 0 = Black Cover: 28 AWG Stranded, 30 AWG Solid; 1 = Gray Cover: 26 AWG Solid (Available in 68 Contact Only)
- Wiping Interface Plating: C = 30 µm [0.76 mm] Min. Gold over Ni
- IDC Plating: E = Gold Flash over Ni (App E1 & C1 apply)

3M

Electronic Solutions Division
Interconnect Solutions
http://www.3Mconnector.com

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For technical, sales or ordering information call **800-225-5373**

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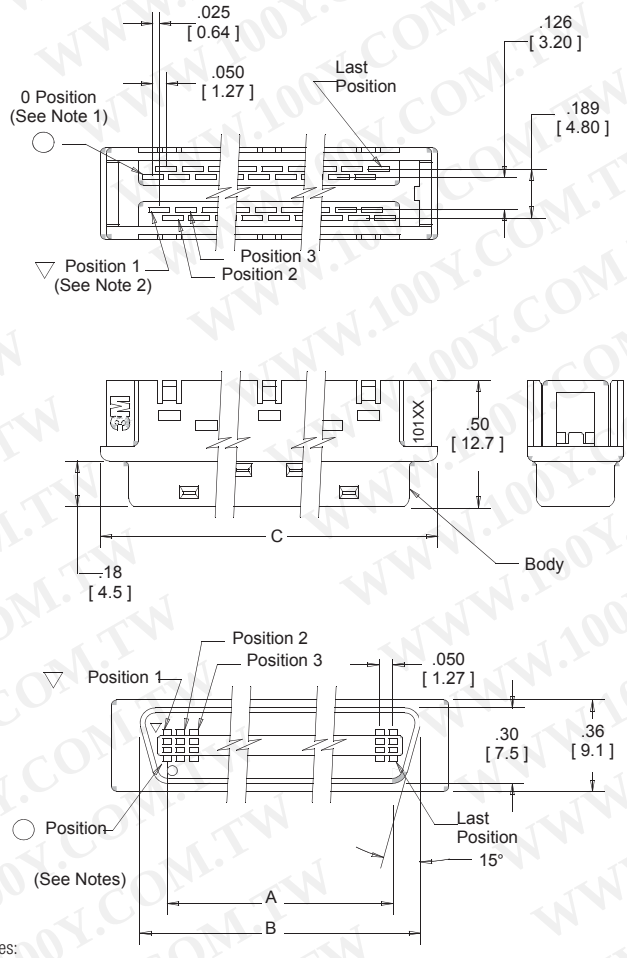
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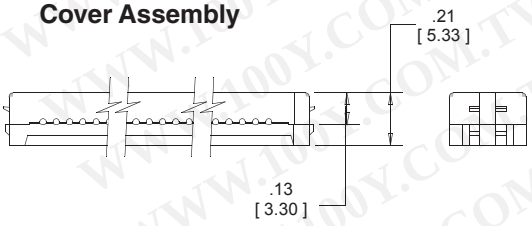
Contact Quantity	Dimensions			
	A	B	C	D
20	.450 [11.43]	.69 [17.6]	.87 [22.0]	.73 [18.6]
36	.850 [21.59]	1.09 [27.8]	1.27 [32.2]	1.13 [28.7]
40	.950 [24.13]	1.19 [30.3]	1.37 [34.7]	1.23 [31.3]
68	1.650 [41.91]	1.89 [48.1]	2.07 [52.5]	1.93 [49.0]
80	1.950 [49.53]	2.16 [54.8]	2.37 [60.1]	2.23 [56.7]
100	2.450 [62.23]	2.66 [67.5]	2.87 [72.8]	2.73 [69.4]

Body (20, 36, 40, 68, 80 and 100 positions)

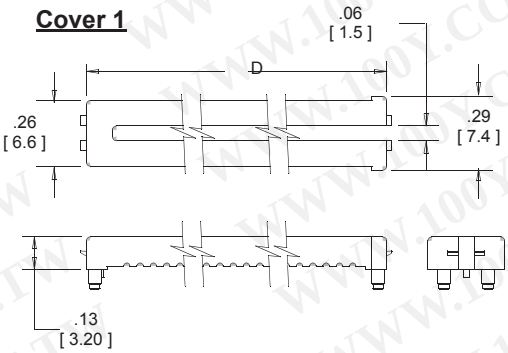


Notes:
1.Circle (0) position indicates #1 position in cable, when utilizing 0.025" pitch flat cable.
2.Triangle (Δ) position indicates #2 position in cable, when utilizing 0.025" pitch flat cable.

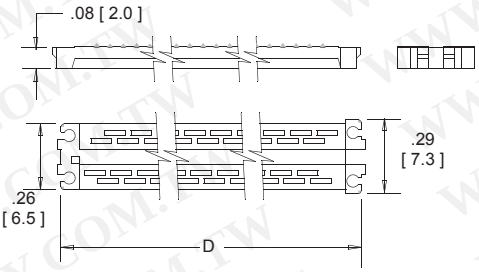
Cover Assembly



Cover 1



Cover 2



inch [mm]	Tolerance Unless Noted		
	.0	.00	0.00
inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only

Ordering Information

Assembly tools: 3M™ Hand Press Kit 3829 (68 position & below). All Sizes: 3M™ Assembly Press 10960-2000; 3M™ Lacing Fixture 10962-2000, 3M™ Cutting Unit 10961 & 3M™ Wire Clamp 10964-1 (14-50 pos.) or 3M™ Wire Clamp 10964-2 (68-100 pos.).

101XX - 60X0EC

- Contact Quantity: (see Table) Note: 100 pos = A0
- Wire Accommodation: 0 = Black Cover: 28 AWG Stranded, 30 AWG Solid; 1 = Gray Cover: 26 AWG Solid (Available in 68 Contact Only)
- Wiping Interface Plating: C = 30 µm [0.76 mm] Min. Gold over Ni
- IDC Plating: E = Gold Flash over Ni (App E1 & C1 apply)

TS-0423-B
Sheet 3 of 3

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