

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: 12, 20, 26, 36, 40, 50, 68, 80 and 100
- RoHS* compliant

Date Modified: February 12, 2005

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Physical

Insulation

Material: Glass Reinforced Polyester (PBT)

Flammability: UL 94V-0

Color: Black

Contact

Material: Beryllium Copper (C172)

Plating

Underplating: 80 μ" (2.0 μm) Nickel - QQ-N-290, Class 2

Wiping Area: 30 μ" (0.76 μm) Gold - MIL-G-45204, Type II, Grade C

Shroud

Material: Steel

Plating: Nickel

Wire Accommodation: 28 AWG Stranded, 30 AWG Solid

Marking: 3M Logo & 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: -20°C to +85°C

UL File No.: E68080

*RoHS = Directive 2002/95/EC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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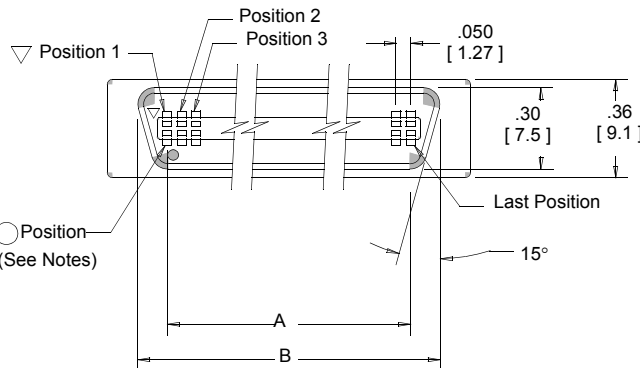
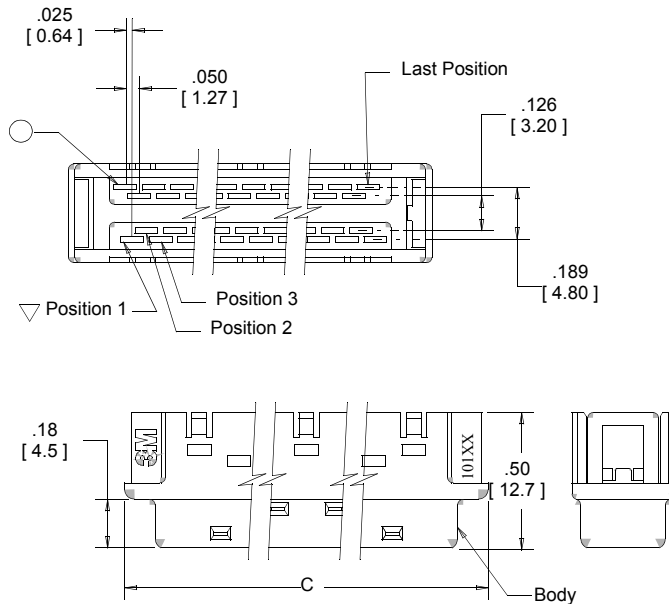
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Contact Quantity	Dimensions			
	A	B	C	D
14	.300 [7.62]	.54 [13.8]	.72 [18.2]	.58 [14.7]
26	.600 [15.24]	.84 [21.4]	1.02 [25.8]	.88 [22.4]
50	1.200 [30.48]	1.44 [36.6]	1.62 [41.1]	1.48 [37.6]



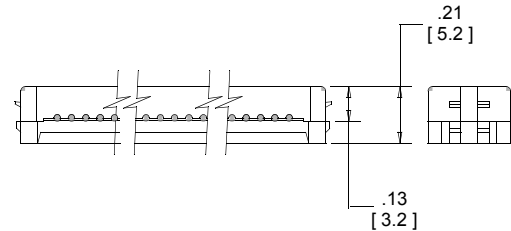
Body (14, 26 and 50 positions)



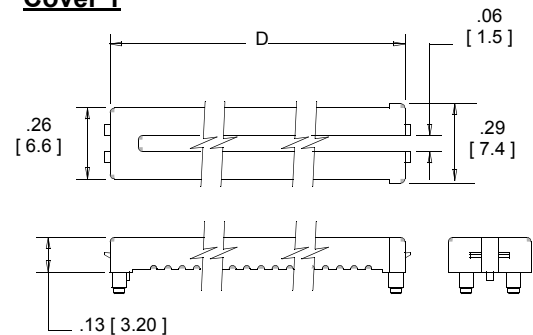
Notes:

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

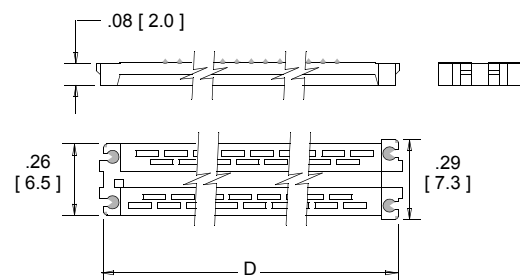
Cover Assembly



Cover 1



Cover 2



Inch
[mm]

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

[] Dimensions for Reference Only

Ordering Information

101XX-6000EC

Contact Quantity
(See Table)

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

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Interconnect Solutions

<http://www.3M.com/interconnects/>

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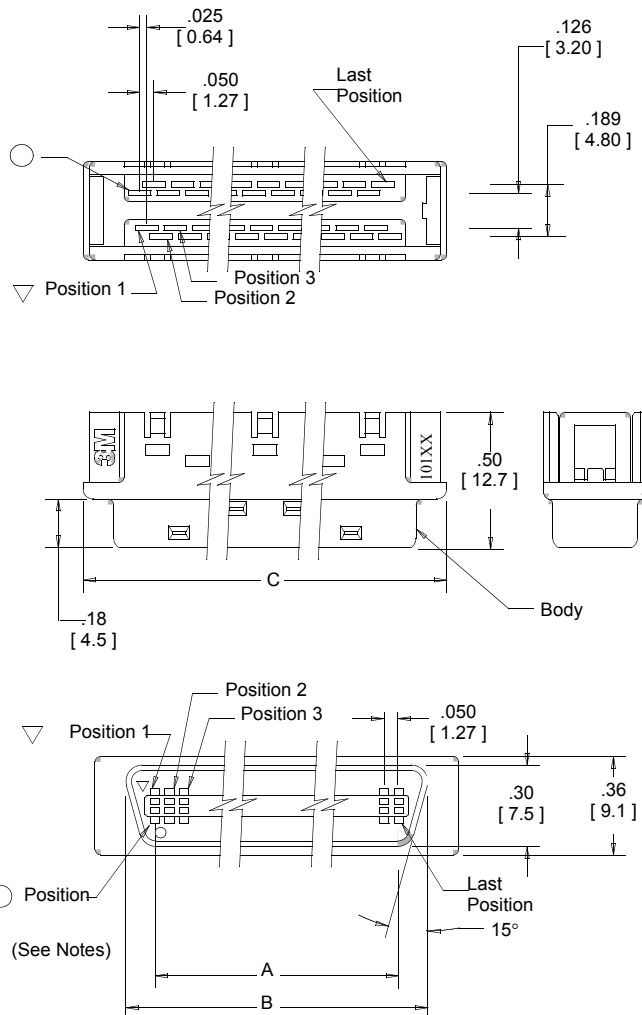
.050" IDC Wiremount Plug - Shielded

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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]	2.19 [54.8]	2.37 [60.1]	2.23 [56.7]
100	2.450 [62.23]	2.69 [67.5]	2.87 [72.8]	2.73 [69.4]



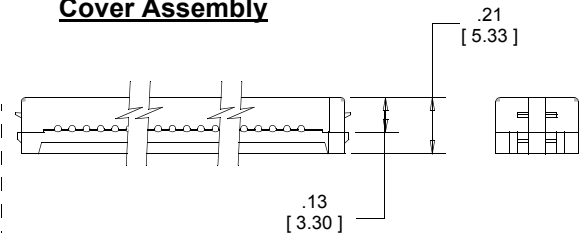
Body (20, 36, 40, 68, 80 and 100 positions)



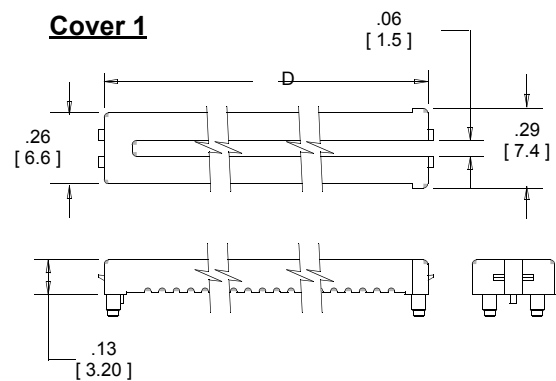
Notes:

1. Circle (.) 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.

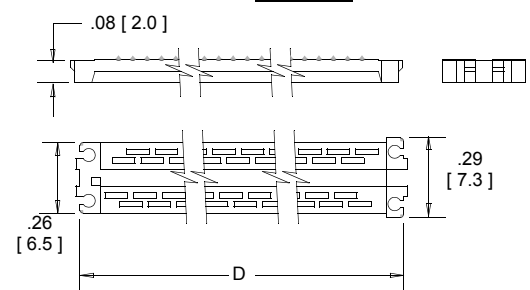
Cover Assembly



Cover 1



Cover 2



Inch
[mm]

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

[] Dimensions for Reference Only

Ordering Information

101XX-6000EC

Contact Quantity
(See Table)

Note: 100 pos = A0

Assembly tools: 3829 hand press kit (68 position & below)
All sizes: 10960-2000 Assembly Press, 10962-2000 Lacing fixture, 10961 Cutting Unit, & 10964-1 wire clamp (14-50 pos) or 10964-2 wire clamp (68-100 pos).

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