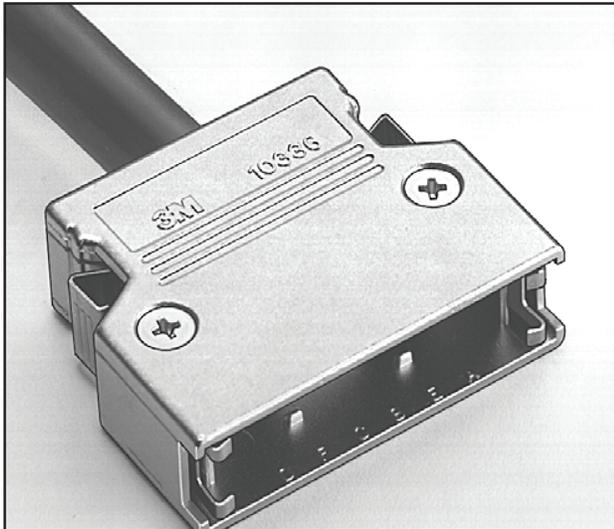


3M™ Mini D Ribbon (MDR) Connectors

Metal Junction Shell for Round Cable

103 Series



- Metal junction shell for round cable
- Rugged two-piece die cast metal shell with round straight exit (compatible with 101XX-6000 EC plug)
- Reliable metal strain relief clamp provides grounding for cable shield
- Excellent EMI/ESD protection
- Quick release latching mechanism
- Positions: 14, 20, 26, 36, 40, 50, 68 and 100
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3mconnectors.com for compliance information

Date Modified: October 17, 2011

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Sheet 1 of 2

Physical

Shell:

Material: Zinc Alloy

Plating: Nickel

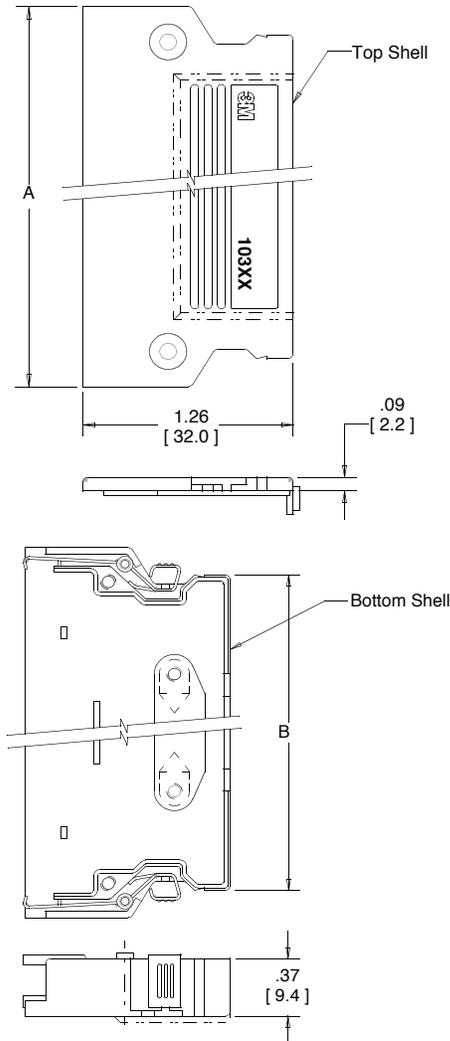
Marking: 3M Logo and Part Number Identification

*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 proposed maximum concentration values in any homogeneous material (unless exempt under RoHS): (a) 0.1% (by weight) for each of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium.

3M™ Mini D Ribbon (MDR) Connectors

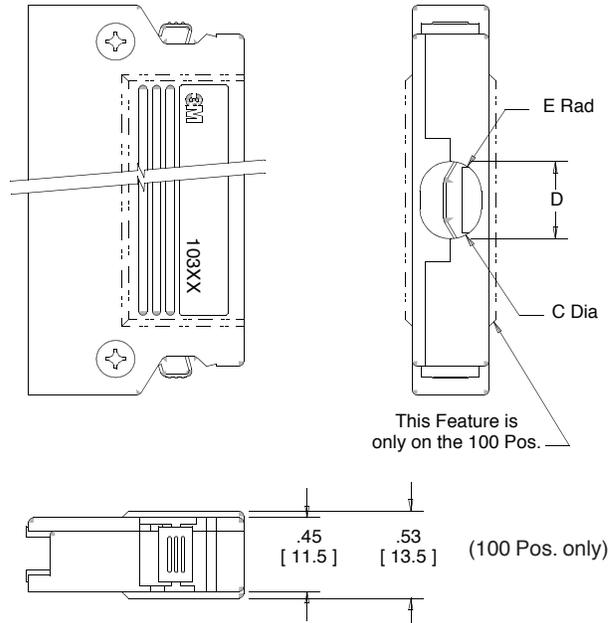
Metal Junction Shell for Round Cable

103 Series



Package Contents:

- 1 - Cable Clamps (Plated Steel)
- 2 - M2.6 x 6 mm Flat Head Screws
- 2 - M2.6 x 4 mm Pan Head Screws
- 2 - Metal Shell Halves
- 2 - Metal Latches



Assembled Junction Shell

Contact Quantity	Dimensions				
	A	B	C	D	E
14	1.01 [25.8]	.78 [19.9]	.27 [6.8]	—	—
20	1.17 [29.7]	.82 [21.0]	.31 [8.0]	—	—
26	1.32 [33.5]	.98 [24.8]	.33 [8.5]	—	—
36	1.57 [39.8]	1.22 [31.3]	.36 [9.1]	—	.18 [4.5]
40	1.67 [42.4]	1.32 [33.7]	.36 [9.1]	—	.18 [4.5]
50	1.92 [48.7]	1.57 [40.0]	—	.39 [10.0]	.18 [4.5]
68	2.37 [60.1]	2.02 [51.4]	—	.47 [12.0]	.18 [4.5]
100	3.16 [80.2]	2.81 [71.5]	—	.47 [12.0]	.22 [5.5]

Inch
(mm)

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

[] Dimensions for Reference Only

Ordering Information

103XX - C200 - 00

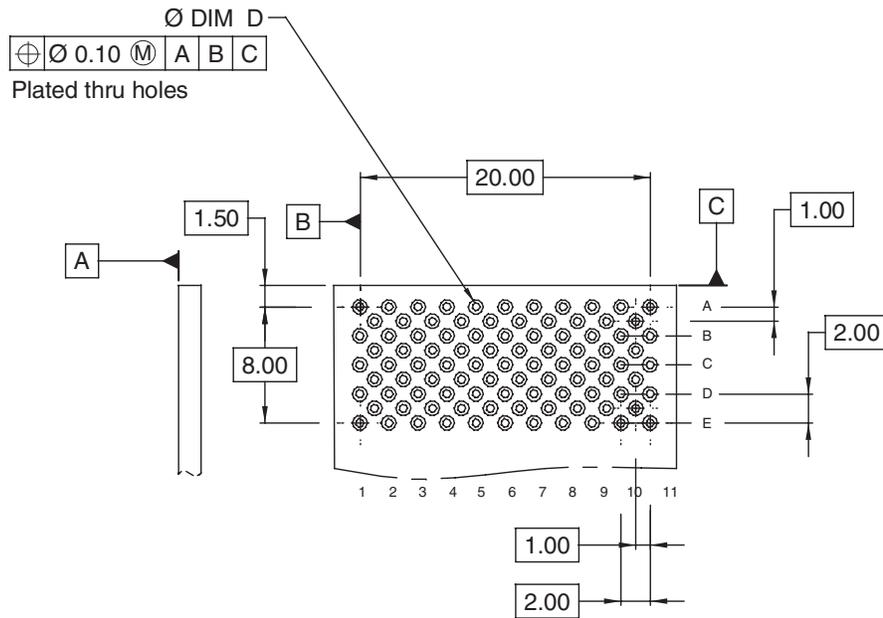
Contact Quantity (See Table)
Note 100 position = A0

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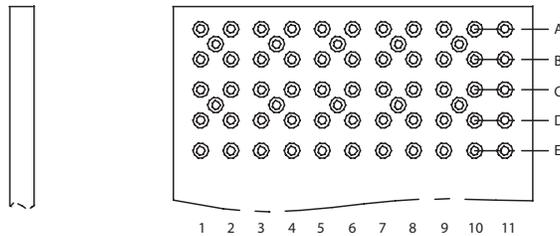
3M™ Mini D Ribbon (MDR) Connectors

Metal Junction Shell for Round Cable

103 Series



Recommended PCB hole mounting pattern for coaxial, column differential and stripline applications.



Recommended PCB hole mounting pattern for row differential applications.
(Same geometry as above without the ground vias.)

Hole Plating Table mm [in.]			
Finished Hole Dia. "D"	Cu. Thickness	SnPb Thickness	Drilled Hole Dia.
0.457 - 0.559 [.0180 - .0220]	0.025 - 0.045 [.0010 - .0018]	0.008 - 0.018 [.0003 - .0007]	0.584 - 0.625 [.0230 - .0246]

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