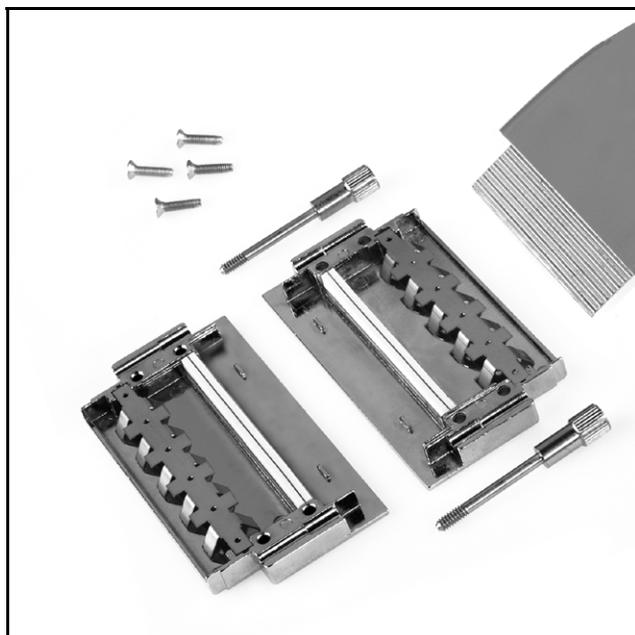


# 3M™ Mini D Ribbon (MDR) Connectors

Metal Junction Shell for Flat Cable

103 Series



- Rugged two piece metal junction shell for straight flat cable (compatible with 101XX-6000 EC plug)
- Jackscrew latching for connection stability
- Contacts: 68, 80 and 100
- RoHS\* compliant

Date Modified: March 7, 2006

TS-0666-09  
Sheet 1 of 2

## Physical

### Shell

Material: Zinc, .030" [ 0.8 mm ] Thick

Plating: Nickel

### Gasket

Material: Elastomer with Conductive Fibers

Marking: 3M Logo and Part Number

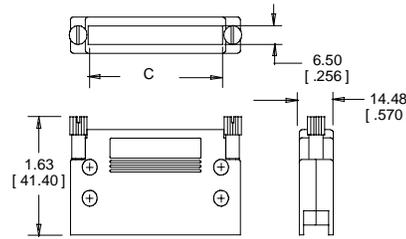
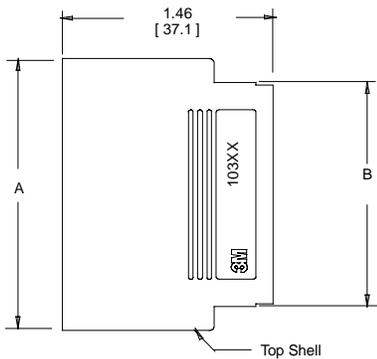
RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment  
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material: (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. Lead, mercury, cadmium, or hexavalent chromium may be present in the product or part in an exempt application as listed in the Annex to the RoHS Directive.

# 3M™ Mini D Ribbon (MDR) Connectors

Metal Junction Shell for Flat Cable

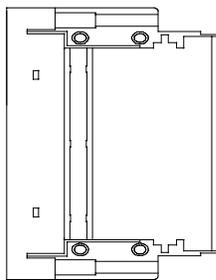
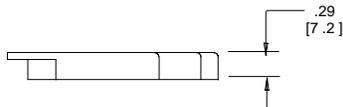
103 Series

Contact Quantity	Dimensions				
	A	B	C	D	E
68	2.51 [ 63.8 ]	2.07 [ 52.6 ]	1.98 [ 50.3 ]	1.76 [ 44.8 ]	1.85 [ 46.9 ]
80	2.81 [ 71.4 ]	2.37 [ 60.2 ]	2.28 [ 57.9 ]	2.06 [ 52.4 ]	2.25 [ 57.2 ]
100	3.31 [ 84.1 ]	2.87 [ 72.9 ]	2.78 [ 70.6 ]	2.56 [ 65.1 ]	2.66 [ 67.5 ]

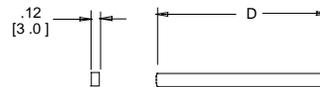


**Assembled Junction Shell**

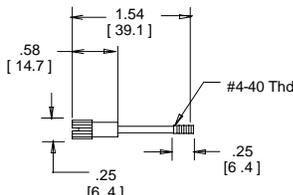
Package Contents:  
 4e aM 2.5F latH ead Screws  
 2 ea Metal Shell Halves  
 2 ea Thumb Screws, #4-40  
 2 ea Elastomer Gaskets  
 2 ea Ground Plates



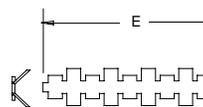
**Bottom Shell**



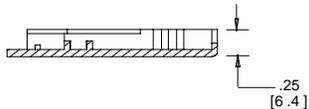
**Elastomer Gasket**



**Thumbscrew**



**Strain Relief**



Inch  
[mm]

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

[ ] Dimensions for Reference only

Note:

1. Accepts 3M Part Number 10168-6000 Connector and 90101/XX and 90201/XX Pleated Foil Cable.

## Ordering Information

**103XX-12R1-00**

Contact Quantity (See Table)  
 Note 100 position = A0

TS-0666-09  
 Sheet 2 of 2

## Important Notice

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Minimum 10%  
Post-Consumer Fiber

Printed in USA.

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