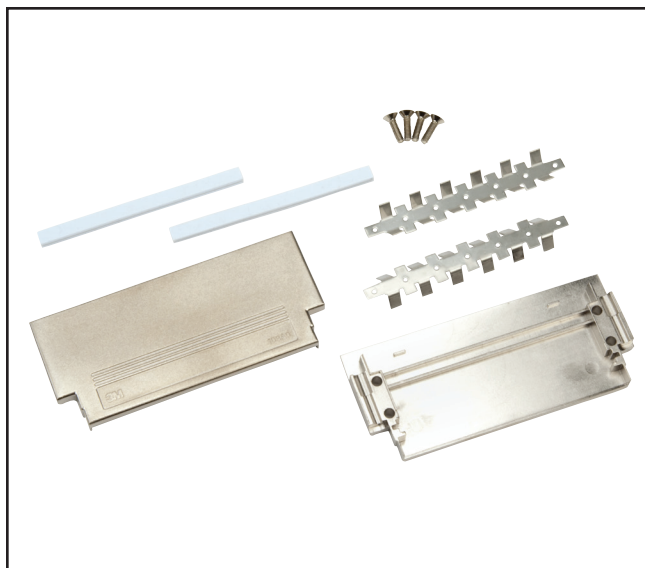


# 3M™ Mini D Ribbon (MDR) Connectors

.050" Metal Junction Shell for Flat Cable

103 Series



- Rugged two piece metal junction shell for straight flat cable (compatible with 101XX-6000EC plug)
- Jackscrew latching for connection stability
- Contacts: 68, 80 and 100
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of [www.3Mconnector.com](http://www.3Mconnector.com) for compliance information (RIA E1 & C1 apply)

Date Modified: March 10, 2010

TS-0666-B  
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



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

3M is a trademark of 3M Company.  
For technical, sales or ordering information call  
**800-225-5373**

# 3M™ Mini D Ribbon (MDR) Connectors

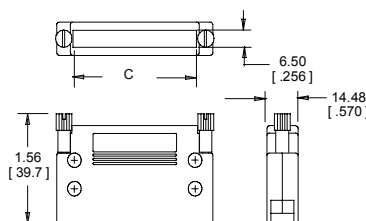
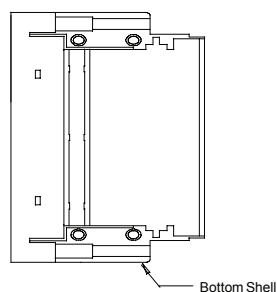
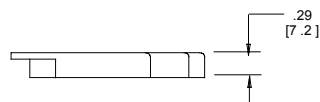
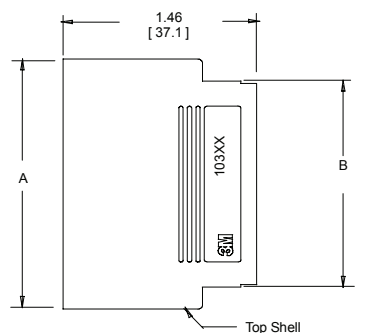
.050" Metal Junction Shell for Flat Cable

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 ]

## Package Contents:

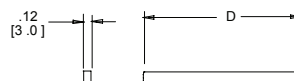
4 ea - M2.5 Pozidriv® flat head self-tapping screws  
2 ea - Metal shell halves  
2 ea - Thumb screws, #4-40  
2 ea - Elastomer Gaskets  
2 ea - Ground Plates



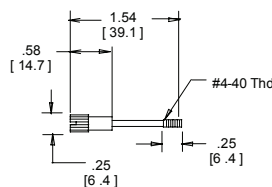
Assembled Junction Shell

## Package Contents:

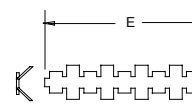
4 ea M2.5 Pozidriv® Flat Head Self-tapping Screws  
2 ea Metal Shell Halves  
2 ea Thumb Screws, #4-40  
2 ea Elastomer Gaskets  
2 ea Ground Plates



Elastomer Gasket



Thumbscrew



Strain Relief

## Notes:

1. Accepts 3M Part Number 101XX-6000 Connector and 90101/XX Pleated Foil Cable.
2. Use Pozidriv® screwdriver point size 1. Pozidriv® is a registered trademark of Phillips Screw Company.

Inch  
[mm]

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

[ ] Dimensions for  
Reference only

## Ordering Information

**103XX - 12R1 - 00**

Contact Quantity (See Table)  
Note 100 position = A0

TS-0666-B  
Sheet 2 of 2



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

3M is a trademark of 3M Company.  
For technical, sales or ordering information call  
**800-225-5373**

#### **Important Notice**

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

#### **Warranty; Limited Remedy; Limited Liability.**

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



#### **3M Electronics Solutions Division**

6801 River Place Blvd.  
Austin, TX 78726-9000  
U.S.A.  
1-800-225-5373  
[www.3Mconnector.com](http://www.3Mconnector.com)

Please recycle. Printed in USA.  
© 3M 2010. All rights reserved.  
RIA-2217B-E

3M is a trademark of 3M Company.

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct    +86 (21) 6401-6692  
Email     amall@ameya360.com  
QQ        800077892  
Skype     ameyasales1 ameyasales2

➤ Customer Service :

Email     service@ameya360.com

➤ Partnership :

Tel        +86 (21) 64016692-8333  
Email     mkt@ameya360.com