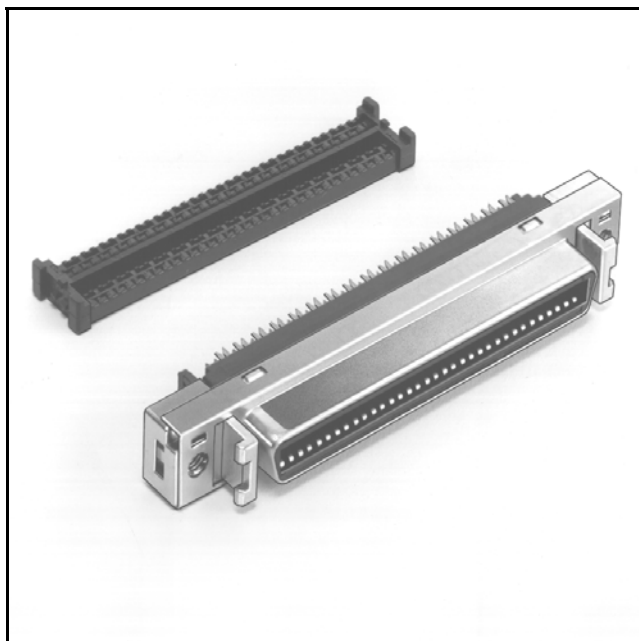


# 3M™ Mini D Ribbon (MDR) Connectors

.050" IDC Wiremount Panelmount Receptacle - Shielded

102 Series



- Wiper-on-wiper contact for reliable repetitive plugging
- IEEE 1284C Interface as a 36 contact connector
- Interface latch design for connection stability
- Accepts a wide variety of cable constructions including flat, shielded flat and twisted pair cables
- Contacts: 20, 26, 36, 40, 50 and 68
- RoHS\* compliant

Date Modified: February 8, 2005

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Sheet 1 of 2

## 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

### Body

Material: Zinc Alloy

Plating: Nickel

### 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



Interconnect Solutions

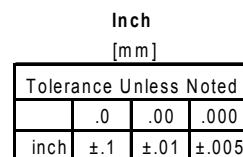
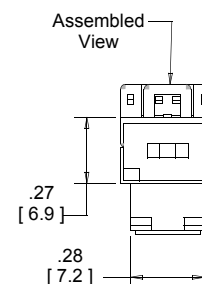
<http://www.3M.com/interconnects/>

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800-225-5373

## 102 Series

**RA<sup>®</sup>**



Note: Panel Thickness .079 [ 2.00 ] max.

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Sheet 2 of 2

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