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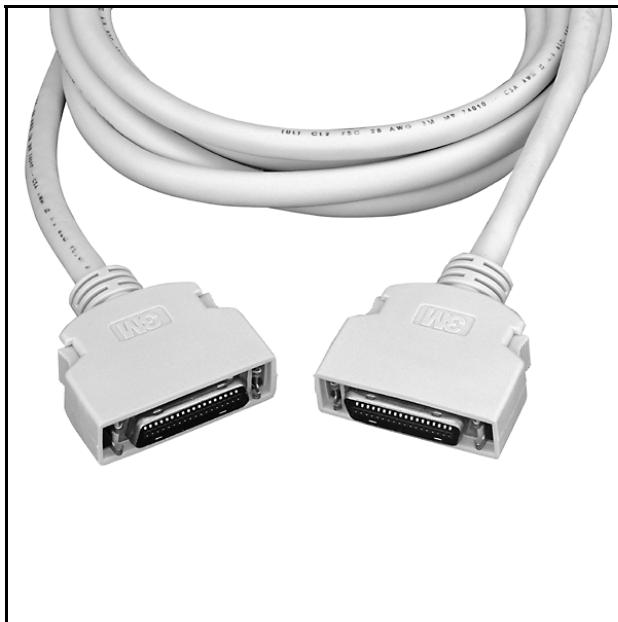
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# 3MTM Mini D Ribbon (MDR) Cable Assembly

.050" Twisted Pair Digital Transmission System - 26 to 26 Position

4926-01XX



- .050" MDR differential signal transmission interconnect
- Flexible twisted pair round cable with overall braid/foil shield
- Ribbon-type contact for reliable repetitive plugging/unplugging
- Quick release latches
- RoHS\* compliant

Date Modified: May 12, 2006

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## Physical

### Connector Contact Plating

Wiping Area: Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] Min. Gold

Shell Material: Acrylonitrile Butadiene Styrene (ABC)

Cable Color: Beige

Cable Jacket Material: Polyvinyl Chloride (PVC)

Flammability: AWM VW-1

Shell Color: Beige

## Electrical

**Voltage Rating:** 30 V

**Current Rating:** 1 A

**Insulation Resistance:**  $> 5 \times 10^8 \Omega$  at 500 Vdc

**Withstanding Voltage:** 500 Vrms for 1 minute

### Twisted Pairs

**Characteristic Impedance:**  $100\Omega$

**Conductor:** 28 AWG Stranded

## Environmental

**Temperature Rating:** -20°C to +75°C

**Flammability Rating:** N.E.C. 725, CL2

\*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, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E86982



Interconnect Solutions

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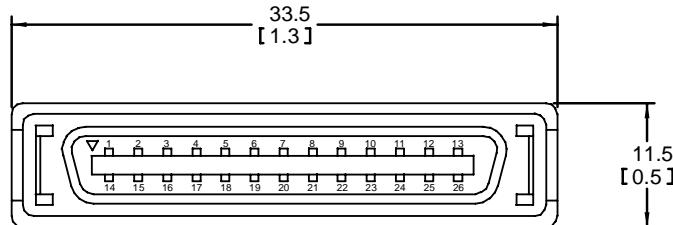
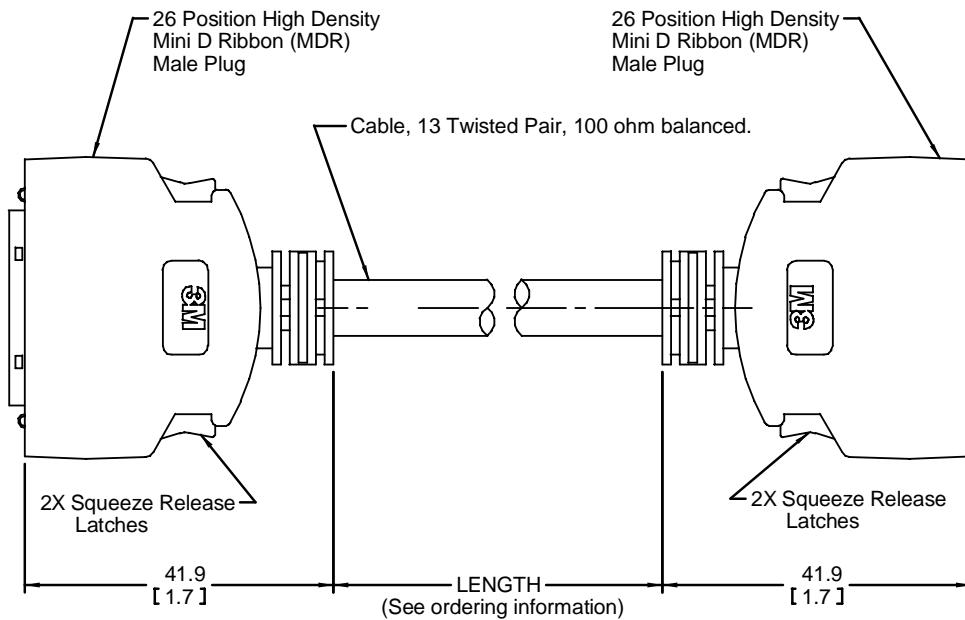
For technical, sales or ordering information call

**800-225-5373**

# 3M™ Mini D Ribbon (MDR) Cable Assembly

.050" Twisted Pair Digital Transmission System - 26 to 26 Position

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MDR 26 Position Plug  
( Both Ends )

mm  
[Inch]

Tolerance Unless Noted		
	0.0	0.00
mm	± .1	± .10

[ ] Dimensions for Reference only



Assembly Length Tolerance

Cable Length:  
0.5 to 1.5 meters -0 + .05 meters  
2 to 10 meters -0 +3% of length

## Ordering Information

**4926-01XX**

Length  
01 = 1 meter  
02 = 2 meter  
03 = 3 meter  
05 = 5 meter  
24 = 2 ft. (Special order)

Note: Call 3M for details on custom polarizing keys for receptacle and plugs.

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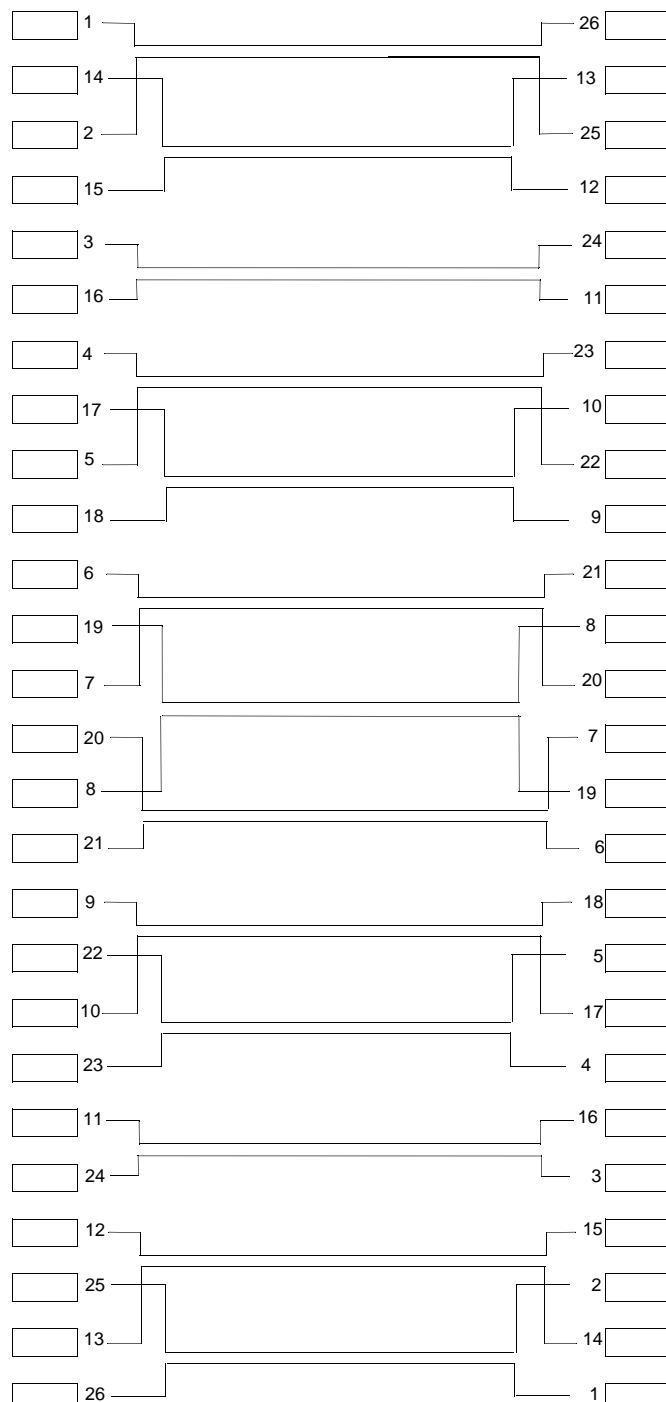
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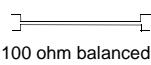
4926-01XX

## MDR 26 Position, Pinout P26-7 / F26-7, Version 3644B/26 Cable (Note: Cable assembly is reversible)

<u>Transmitter (Host)</u> 3M MDR SMT Receptacle	<u>Cable Assembly</u>	<u>Receiver (Monitor)</u> 3M MDR SMT Receptacle
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Symbols Key:



100 ohm balanced  
twisted pair

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6801 River Place Blvd.  
Austin, TX 78726-9000  
800/225-5373  
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Minimum 10%  
Post-Consumer Fiber

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