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sales@integrated-circuit.com

3M™ 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 μ " [0.76 μ 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 Ω
Conductor: 28 AWG Stranded

Environmental

Temperature Rating: -20°C to +75°C
Flammability Rating: N.E.C. 725, CL2

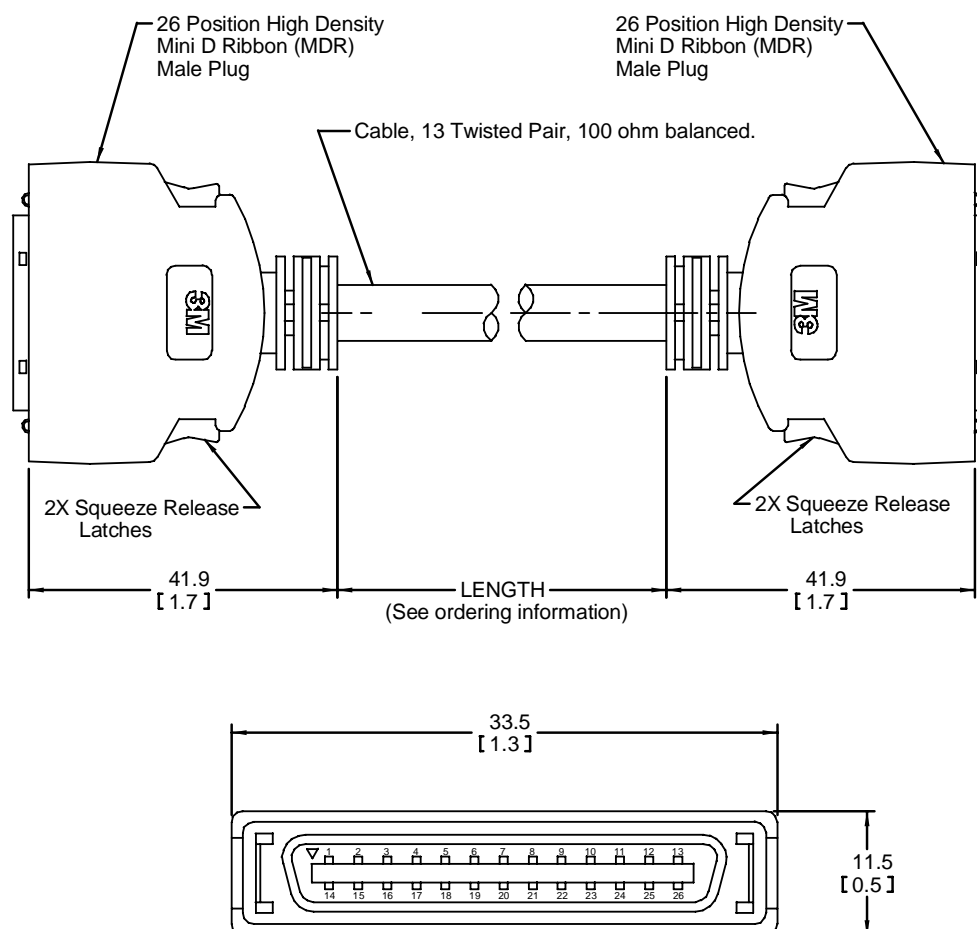
*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, 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

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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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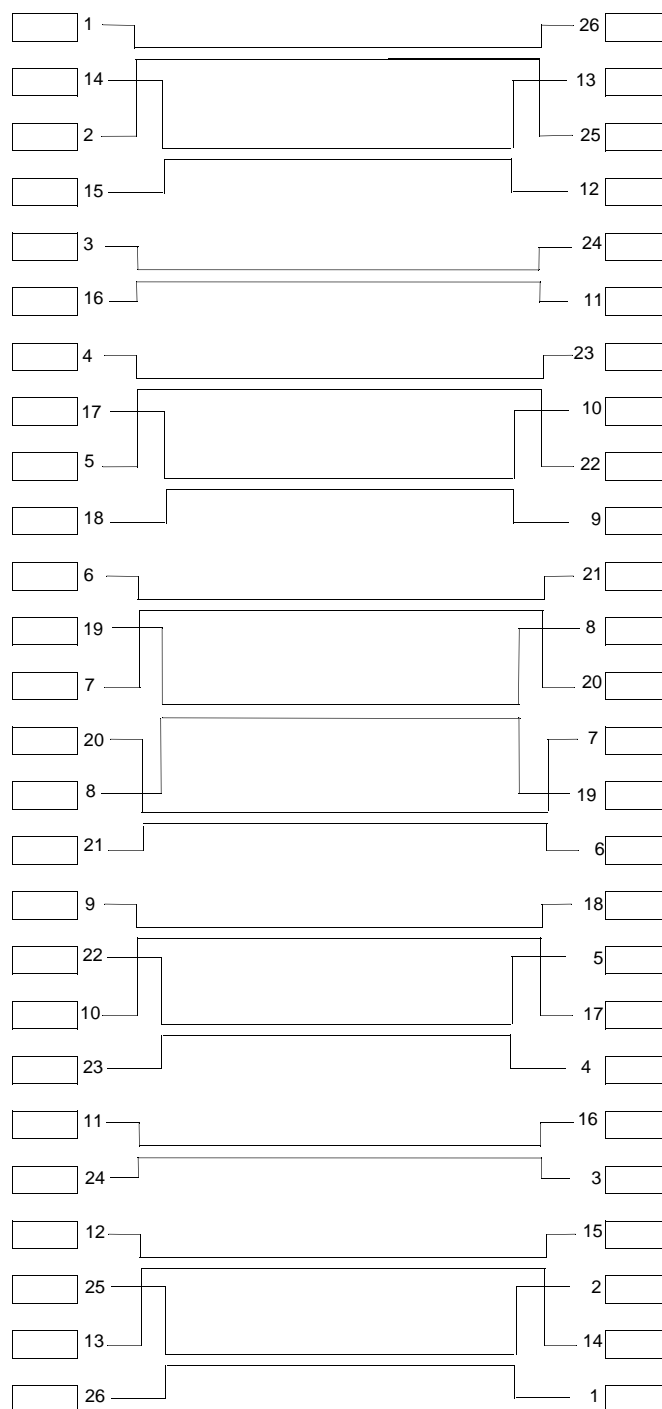
3M™ Mini D Ribbon (MDR) Cable Assembly

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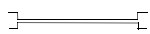
4926-01XX

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

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



Symbols Key:


100 ohm balanced
twisted pair

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Minimum 10%
Post-Consumer Fiber

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