

3M™ Mini D Ribbon (MDR) Cable Assembly

.050" High Speed Digital Data Transmission System - 26 to 26 Pos.

14526-EZ8B-XXX-07C



- Solution for Digital Displays, Datacom and Telecom applications
- Supports LVDS FPD Link™, FlatLink™, ChannelLink™, PanelLink™/TMDS™ electrical interfaces
- Each differential twin-ax pair has a foil shield and drain
- Entire cable bundle is shielded with foil and braid for additional signal protection
- Rugged MDR ribbon type contact
- Quick release latches
- RoHS* compliant

Date Modified: May 15, 2006

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Physical

Connector Contact Plating

Wiping Area: 30μ" [0.76μm] Min. Gold

Shell Color: Beige

Shell Material: Acrylonitrile Butadiene Styrene (ABS)

Cable Color: Beige

Cable Jacket Material: Polyvinyl Chloride (PVC)

Cable Flammability: AWM VW-1

Electrical

Voltage Rating: 30 V

Current Rating: 1 A

Insulation Resistance: $> 1 \times 10^8 \Omega$ at @100 Vdc

Withstanding Voltage: 350 Vrms for 1 minute

Individually Shielded Twisted Pairs

Characteristic Impedance: $100 \pm 10 \Omega$

Conductor Size: 28 AWG Stranded

Propagation Velocity: 1.25 ns/ft [4.1 ns/m]

Environmental

Temperature Rating: -20°C to +75°C

*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.

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PanelLink and TMDS are trademarks of Silicon Image, Inc.
FlatLink is a trademark of Texas Instruments, Inc.
ChannelLink is a trademark of Computer Network Technology Corp.

UL File No.: E86982



Interconnect Solutions

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

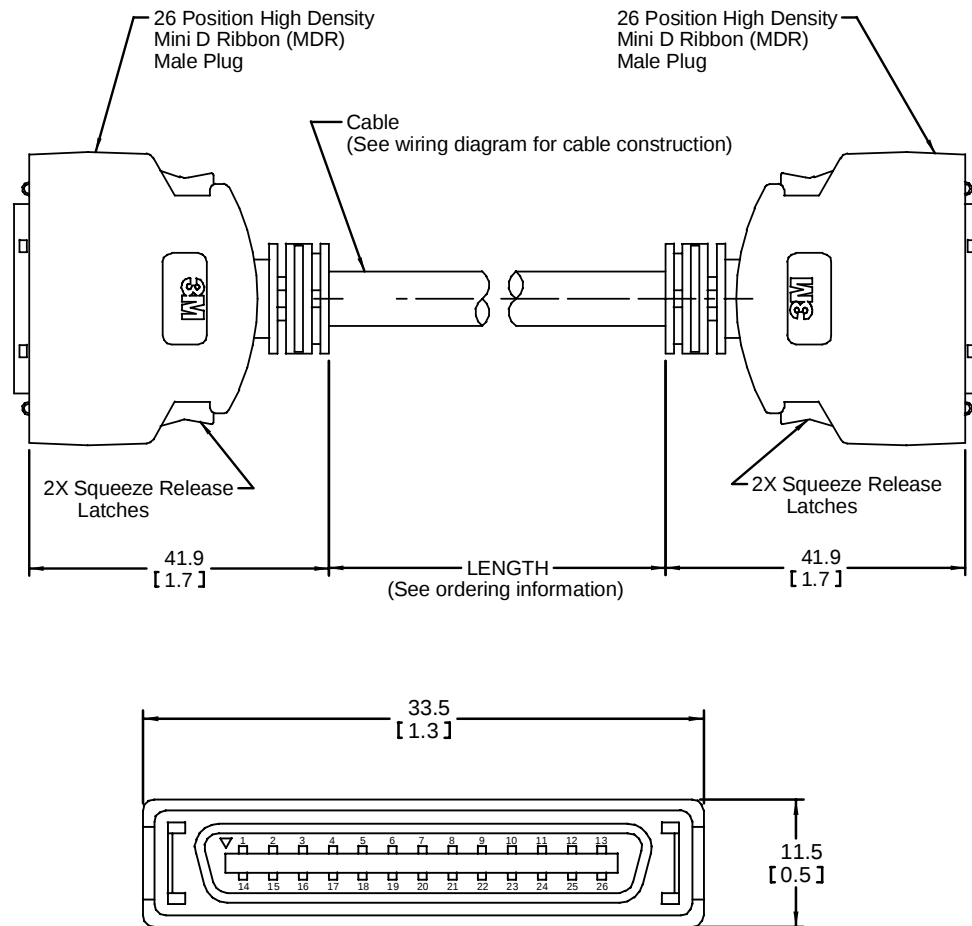
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MDR 26 Position Plug
(Both Ends)

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

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Length
060 = 0.61 meter (2 ft.)
100 = 1 meters
200 = 2 meters
300 = 3 meters
500 = 5 meters
A00 = 10 meters

Length
050 = 0.5 meter
150 = 1.5 meters
250 = 2.5 meters
350 = 3.5 meters
400 = 4 meters
450 = 4.5 meters
600 = 6 meters
700 = 7 meters
800 = 8 meters
900 = 9 meters

Notes:

1. USB/DDC Gnd grounding pins for USB and DDC are not commoned in the cable assembly. The end user must specify proper grounding at the board level.
2. Contact 3M for polarization key system.

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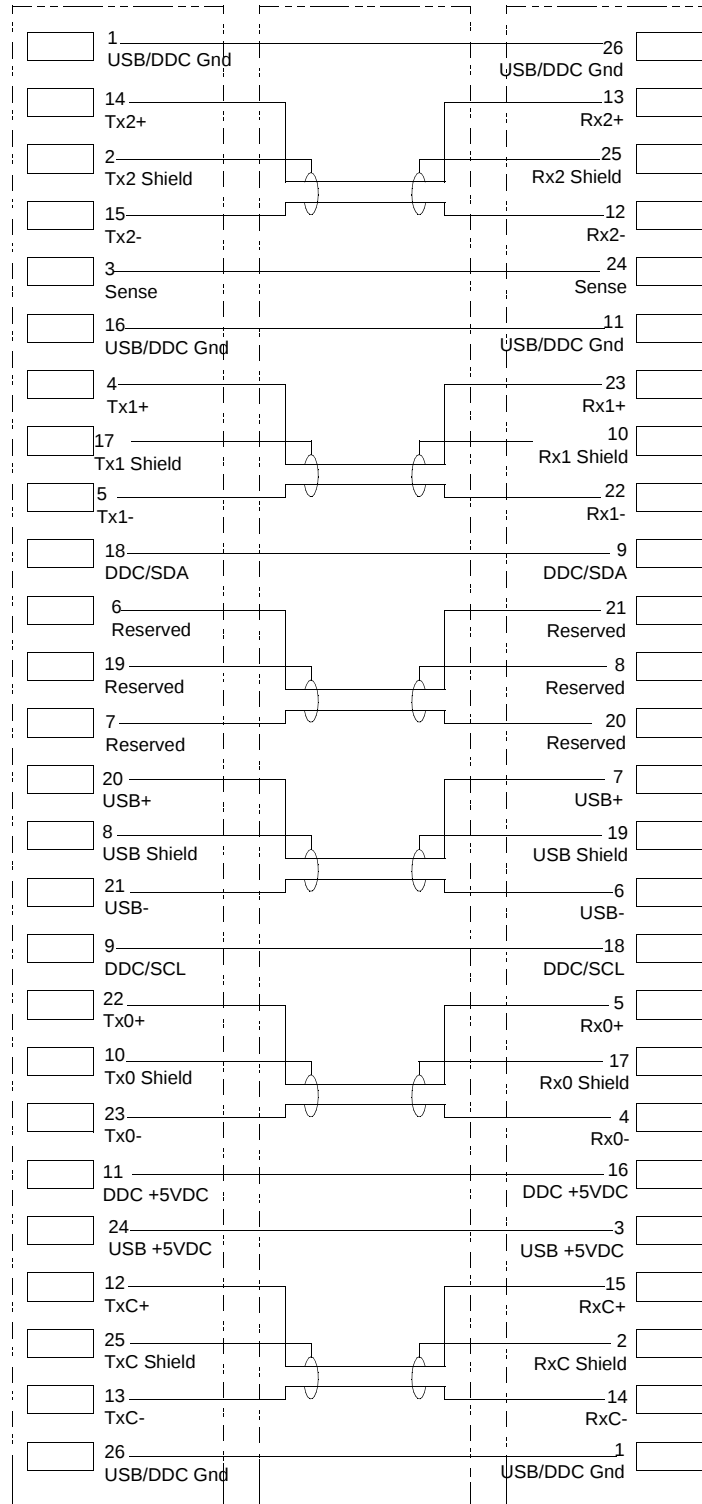
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MDR 26 Pin, PanelLink™/TMDS™ Pinout P26-7 (Rev 7.0)

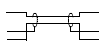
Transmitter, Tx
3M MDR SMT
Receptacle

Receiver, Rx
3M MDR SMT
Receptacle

Cable



Symbols Key:



100 Ohm balanced
individually shielded
twisted pair w/drain

- 28 AWG insulated conductor

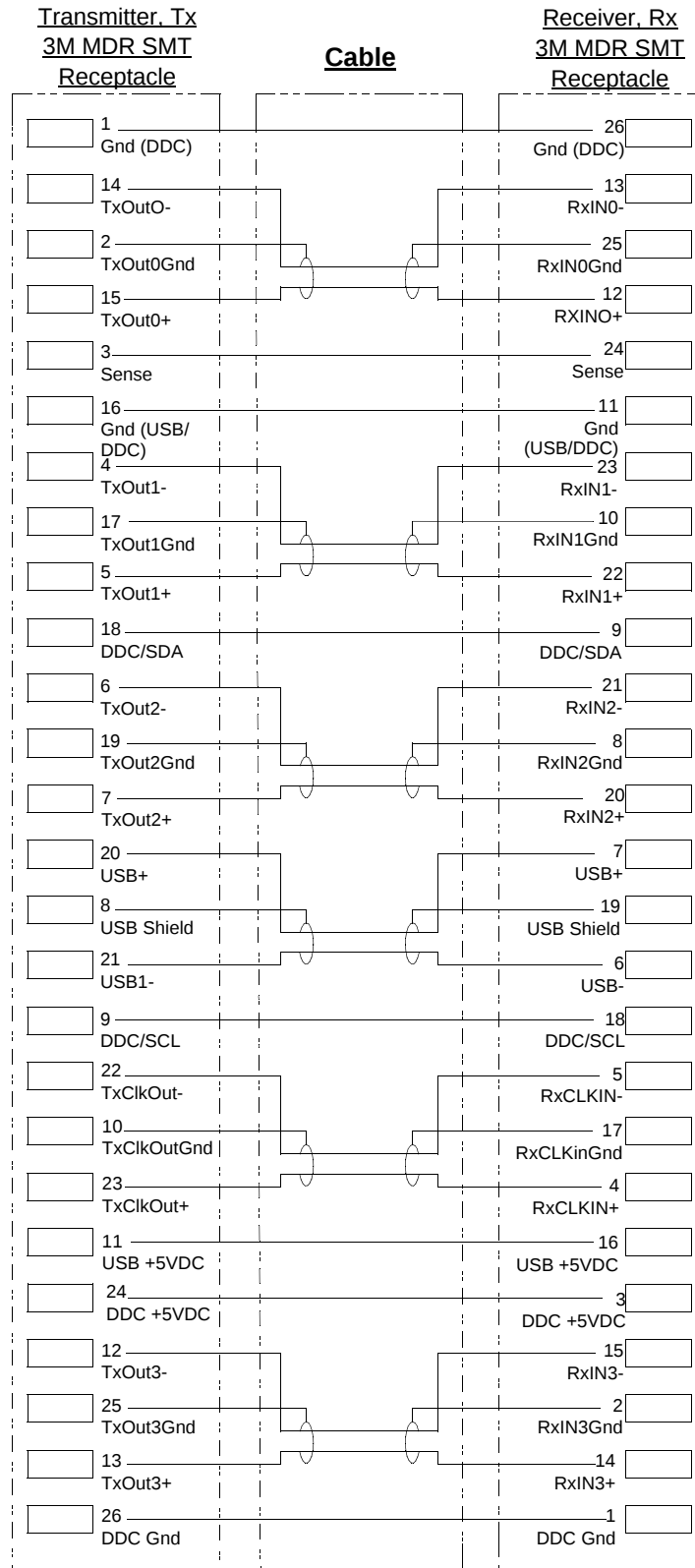
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MDR 26 Pin, FPD Link Pinout DISM 1.0



Symbols Key:



100 Ohm balanced
individually shielded
twisted pair w/drain

- 28 AWG insulated
conductor

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Minimum 10%
Post-Consumer Fiber

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