3M[™] Mini D Ribbon (MDR) Cable Assembly

.050" High Speed Digital Data Transmission System - 20 to 20 Position

• Supports new VESA[™]/ DFP standard for 20 position MDR at host device

14520-EZAB-XXX-0EC

- LCD monitor assembly for PanelLink® / TMDS[™] interface
- Each differential twin-ax pair has foil shield and drain wire
- 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 22, 2006

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Physical

Connector Contact Plating

Wiping Area:	30 µ" [0.76µm] Min. Gold
Shell	
Color:	Beige
Material:	Acrylonitrile Butadiene Styrene (ABS)
Cable Color:	Beige
Jacket Material:	Polyvinyl Chloride (PVC)
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:	$100\pm10\Omega$
Conductor Size:	28 AWG Stranded
Propogation Velocity:	1.25 ns/ft [4.1 ns/m]

Environmental

Temperature Rating: -20°C to +75°C

"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 prolybromianted 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.

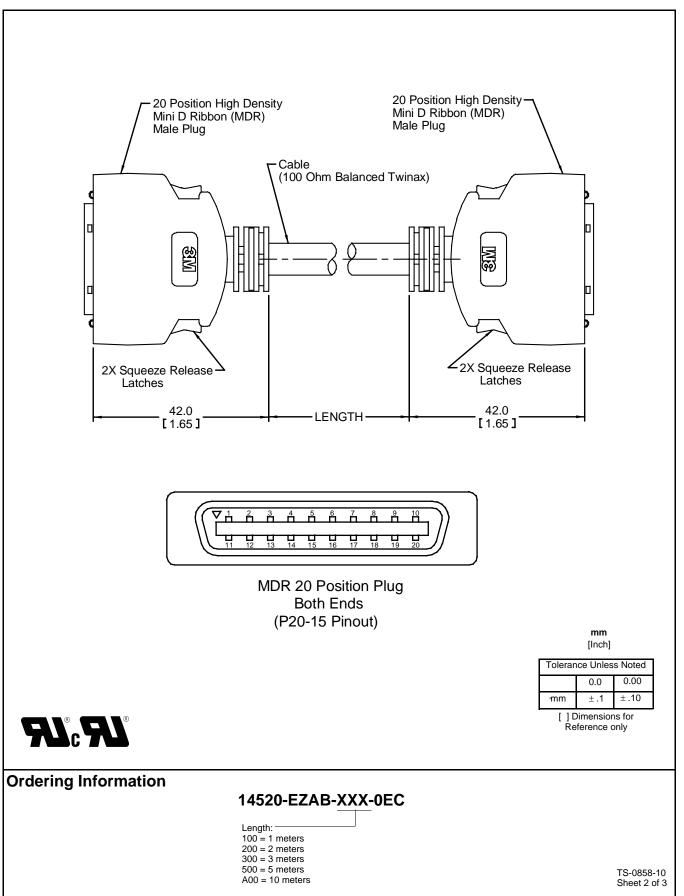
UL File No.: E86982

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DR-DFP 20 to 20 Position, Pinout P20-15 (rev. (
	(Note: Cable assembly is reversable.)					
DFP Transmitter, Tx (Host)			<u>Receiver, Rx</u> (Monitor)			
Pin Number	Signal		Pin Number	Signal		
1	Tx 1+		1	Rx 0-		
2	Tx 1-		2	Rx 0+		
3	Tx 1 shld		3	Rx 0 shld		
4	Tx Clk shld		4	Rx 2 shld		
5	Tx Clk +		5	Rx 2-		
6	Tlk Clk -		6	Rx 2+		
7	DDC gnd		7	DDC/SCL		
8	DDC +5 Vdc		8	DDC/SDA		
9	NC		9	NC		
10	NC		10	NC		
11	Tx 2+		11	Rx Clk-		
12	Tx 2-		12	Rx Clk +		
13	Tx 2 shld		13	Rx Clk shld		
14	Tx 0 shld		14	Rx 1 shld		
15	Tx 0+		15	Rx 1-		
16	Tx 0-		16	Rx 1+		
17	NC		17	NC		
18	sense		18	sense		
19	DDC/SDA		19	DDC +5 Vdc		
20	DDC/SCL		20	DDC gnd		

Note: Wiring diagram is not Pin 1 to Pin 1.

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Minimum 10% Post-Consumer Fiber

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