3M™ Mini D Ribbon (MDR) Cable Assembly

.050″ High Speed Digital Data Transmission System - 20 to 26 Pos. 14520-EZDB-XXX-0EC



- Supports VESA™ DFP standard for 20 position MDR at host and DISM standard for 26 position at LCD monitor
- Signal protection with each differential twin-ax pair has a 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

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:	$100 \pm 10\Omega$
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.

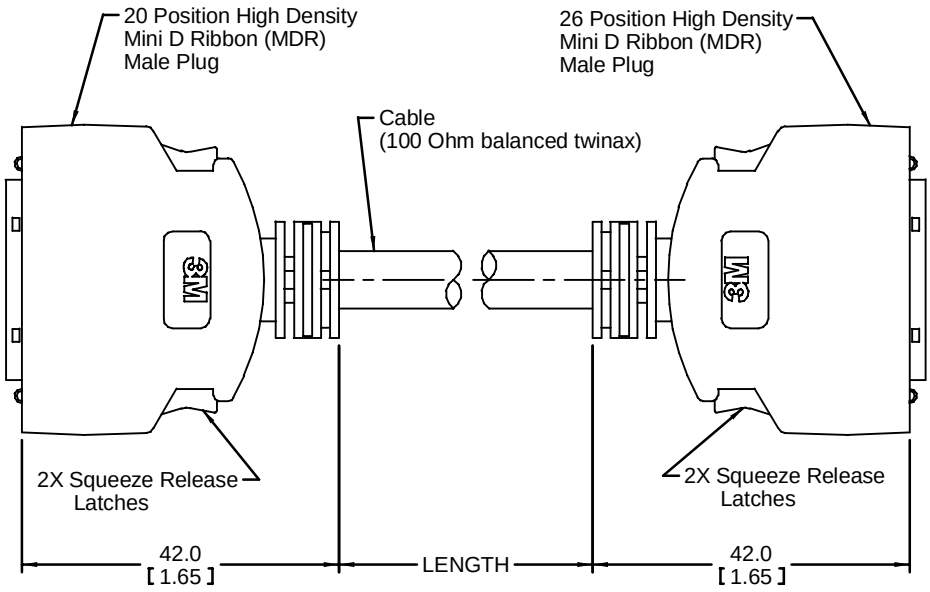
UL File No.: E86982

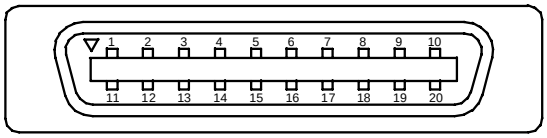
″Vesa″ is a trademark of Video Electronics Standards Association Corporation.

3M is a trademark of 3M Company.

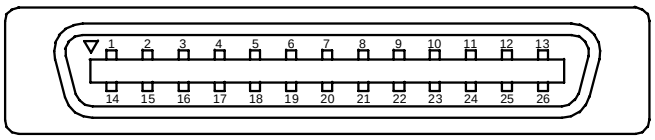
3M™ Mini D Ribbon (MDR) Cable Assembly

.050″ High Speed Digital Data Transmission System - 20 to 26 Pos. 14520-EZDB-XXX-0EC





MDR 20 Position Plug



MDR 26 Position Plug

mm
[Inch]

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

[ ] Dimensions for Reference only

Ordering Information

14520-EZDB-XXX-0EC

Length:
100 = 1 meters
200 = 2 meters
300 = 3 meters
500 = 5 meters
A00 = 10 meters

3M
Interconnect Solutions
http://www.3M.com/interconnects/

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Mini D Ribbon (MDR) Cable Assembly

.050″ High Speed Digital Data Transmission System - 20 to 26 Pos. 14520-EZDB-XXX-0EC

MDR-DFP 20 to 26 Position, Pinout P26-20 (Rev. 2.1)

DFP Transmitter, Tx (Host)			**P26-7 Receiver, Rx** (Monitor)	
Pin Number	**Signal**		**Pin Number**	**Signal**
1	Tx 1+		1	DDC gnd
2	Tx 1-		2	Rx Clk shld
3	Tx 1 shld		3	DDC +5 Vdc
4	Tx Clk shld		4	Rx 0-
5	Tx Clk +		5	Rx 0+
6	Tlk Clk -		6	NC
7	DDC gnd		7	NC
8	DDC +5 Vdc		8	NC
9	NC		9	DDC/SDA
10	NC		10	Rx 1 shld
11	Tx 2+		11	NC
12	Tx 2-		12	Rx 2-
13	Tx 2 shld		13	Rx 2+
14	Tx 0 shld		14	Rx Clk-
15	Tx 0+		15	Rx Clk+
16	Tx 0-		16	NC
17	NC		17	Rx 0 shld
18	sense		18	DDC/SCL
19	DDC/SDA		19	NC
20	DDC/SCL		20	NC
			21	NC
			22	Rx 1-
			23	Rx 1+
			24	sense
			25	Rx 2 shld
			26	NC

3M
Interconnect Solutions
http://www.3M.com/interconnects/

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

3M

3M Electronics

6801 River Place Blvd.
Austin, TX 78726-9000
800/225-5373
www.3M.com/electronics

Minimum 10%
Post-Consumer Fiber

Printed in USA.

© 3M 2006

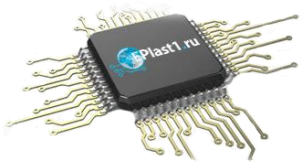
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.