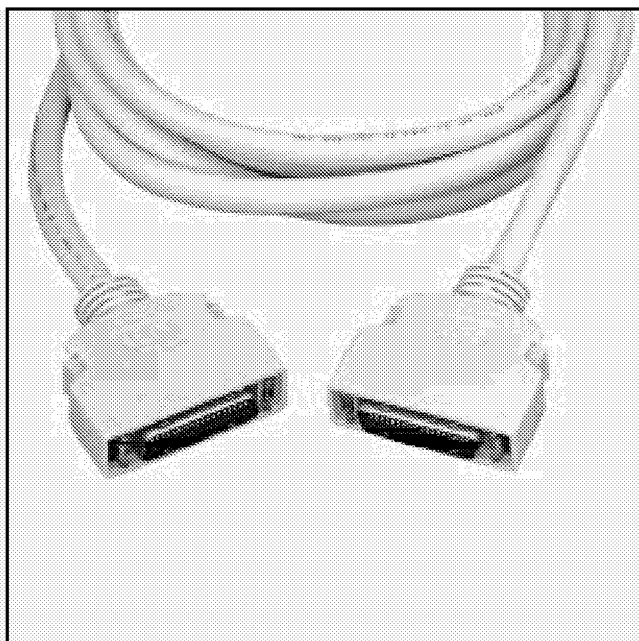


.050" Mini D Ribbon (MDR) Cable Assembly

High Performance Digital Transmission System — 20 to 20 Position

14520-EZAB-XXX-0EX



207

IMPORTANT NOTICE TO PURCHASER

ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE, BUT THE ACCURACY OR COMPLETENESS THEREOF IS NOT GUARANTEED, AND THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED:

SELLER'S AND MANUFACTURER'S ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVED TO BE DEFECTIVE. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. NO STATEMENT OR RECOMMENDATION NOT CONTAINED HEREIN SHALL HAVE ANY FORCE OR EFFECT UNLESS IN AN AGREEMENT SIGNED BY OFFICERS OR SELLER AND MANUFACTURER.

Date Issued: December 14, 1998

TS-0858-04
Sheet 1 of 3

Physical

Connector Contact Plating

Wiping Area: See ordering information

Shell

Color: Parchment/Beige

Material: Acrylonitrile Butadiene Styrene (ABS)

Cable

Color: Parchment/Beige

Jacket Material: Polyvinyl Chloride (PVC)

Flammability: AWM VW-1

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

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 $+75^\circ\text{C}$

UL File No.: E86982

3M Electronic Products Division

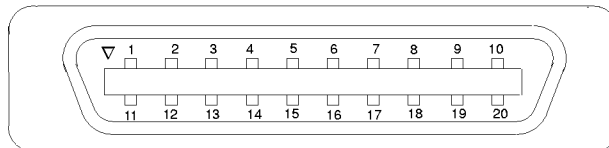
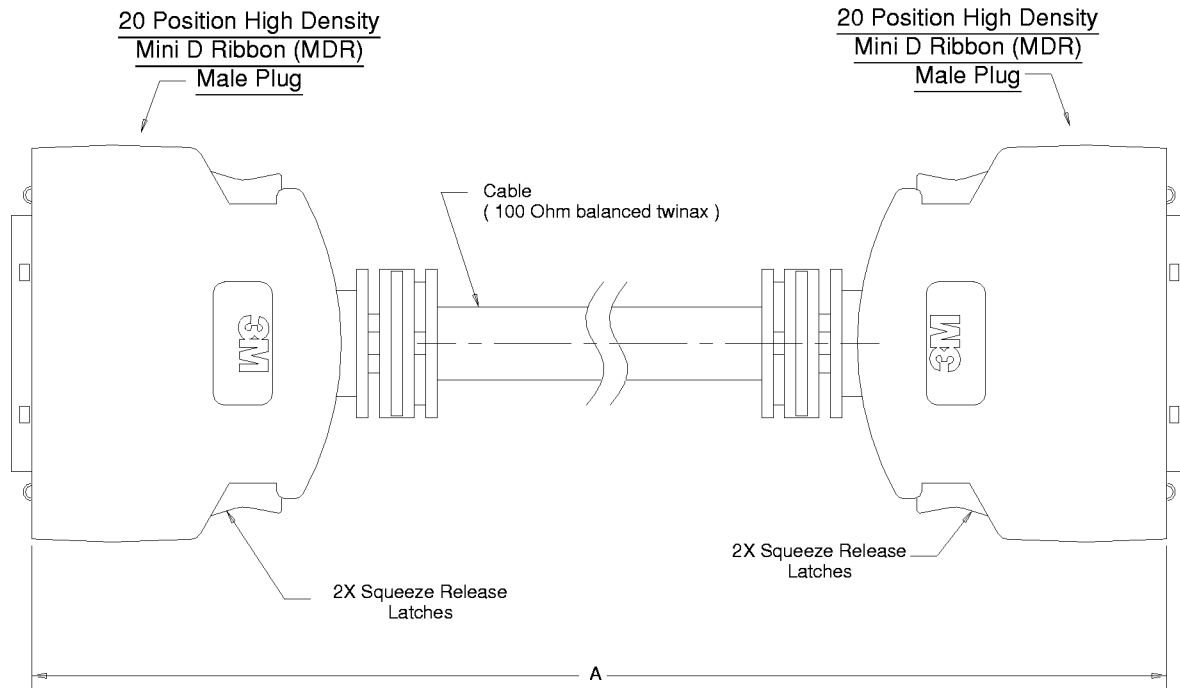
6801 River Place Blvd.
Austin, TX 78726-9000

For technical, sales or ordering information call
800-225-5373

.050" Mini D Ribbon (MDR) Cable Assembly

High Performance Digital Transmission System — 20 to 20 Position

14520-EZAB-XXX-0EX



**MDR 20 Position Plug
(Both Ends)
(P20-15 Pinout)**



Ordering Information

14520-EZAB-XXX-0EX

Length see Dim A
 100 = 1 meters
 200 = 2 meters
 300 = 3 meters
 500 = 5 meters
 A00 = 10 meters

Plating Options for Wiping Area:
 Blank = 8 μ" [0.2 μm] Min. Gold
 C = 30 μ" [0.76 μm] Min. Gold

TS-0858-04
 Sheet 2 of 3

3M Electronic Products Division

6801 River Place Blvd.
 Austin, TX 78726-9000

For technical, sales or ordering information call
800-225-5373

.050" Mini D Ribbon (MDR) Cable Assembly

High Performance Digital Transmission System — 20 to 20 Position

14520-EZAB-XXX-0EX

MDR-DFP 20 to 20 Position, Pinout P20-15 (rev. 0.4a)

(Note: Cable assembly is reversable.)

DFP Transmitter, Tx (Host)

Receiver, Rx (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.

TS-0858-04
Sheet 3 of 3

3M Electronic Products Division

6801 River Place Blvd.
Austin, TX 78726-9000

For technical, sales or ordering information call
800-225-5373