

# .050" Mini D Ribbon (MDR) Cable Assembly

High Performance Digital Transmission System — 20 to 26 Position

14520-EZDB-XXX-0EX



- MDR shielded, High Speed Digital Data Transmission System
- 26 position MDR-LCD digital video interface for PanelLink™/TMDS™ transmission
- Individually shielded 100 Ω twinax for data rates greater than 1 Gbps
- Features small and flexible shielded round cable with excellent EMI protection
- Ribbon type contact — industry preferred
- Reliable repetitive plugging/unplugging
- Quick release latches

Date Issued: June 23, 1999

TS-0883-04  
Sheet 1 of 3

236

---

## 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:**  $-20^\circ\text{C}$  to  $+75^\circ\text{C}$

UL File No.: E86982

---

### 3M Electronic Products Division

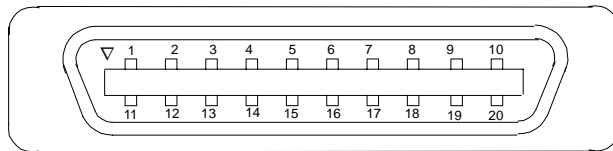
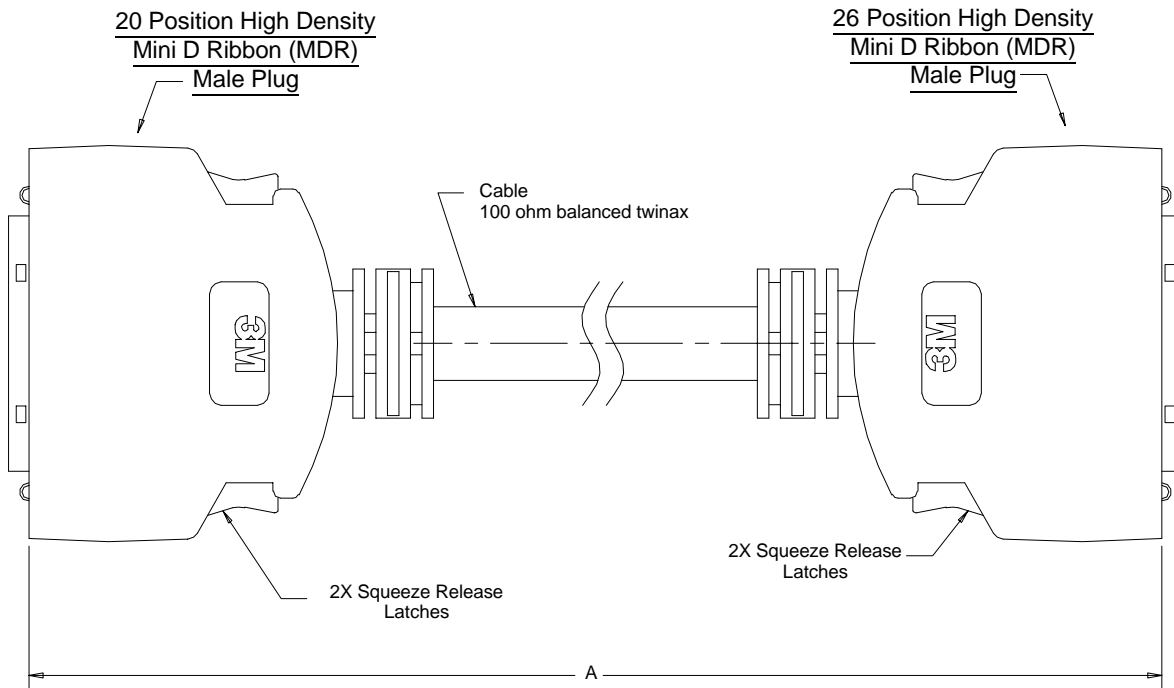
6801 River Place Blvd.  
Austin, TX 78726-9000

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

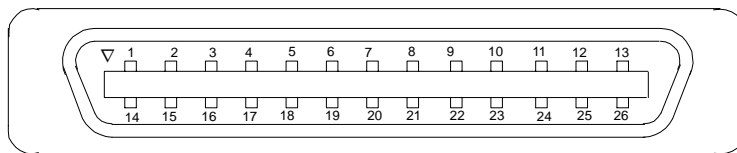
# .050" Mini D Ribbon (MDR) Cable Assembly

High Performance Digital Transmission System — 20 to 26 Position

14520-EZDB-XXX-0EX



MDR 20 Position Plug



MDR 26 Position Plug



## Ordering Information

### 14520-EZDB-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 =  $8 \mu''$  [  $0.2 \mu\text{m}$  ] Min. Gold  
C =  $30 \mu''$  [  $0.76 \mu\text{m}$  ] Min. Gold

TS-0883-04  
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 26 Position

14520-EZDB-XXX-0EX

## MDR-DFP 20 to 26 Position, Pinout P26-20 (Rev. 1.1)

### DFP Transmitter, Tx (Host)

Pin Number	Signal
1	Tx 1+
2	Tx 1-
3	Tx 1 shld
4	Tx Clk shld
5	Tx Clk +
6	Tlk Clk -
7	DDC gnd
8	DDC +5 Vdc
9	NC
10	NC
11	Tx 2+
12	Tx 2-
13	Tx 2 shld
14	Tx 0 shld
15	Tx 0+
16	Tx 0-
17	NC
18	sense
19	DDC/SDA
20	DDC/SCL

### P26-7 Receiver, Rx (Monitor)

Pin Number	Signal
1	DDC gnd
2	Rx Clk shld
3	DDC +5 Vdc
4	Rx 0-
5	Rx 0+
6	NC
7	NC
8	NC
9	DDC/SDA
10	Rx 1 shld
11	NC
12	Rx 2-
13	Rx 2+
14	Rx Clk-
15	Rx Clk+
16	NC
17	Rx 0 shld
18	DDC/SCL
19	NC
20	NC
21	NC
22	Rx 1-
23	Rx 1+
24	sense
25	Rx 2 shld
26	NC

TS-0883-04  
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**