

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

High Speed Digital Data Transmission System — 36 Position

14536-SZ6B-XXX-0HC



- 10 shielded pairs, 1 USB pair, plus 6 individual wires
- The solution for LVDS applications
- Each differential pair is shielded with foil; entire cable bundle is shielded with foil and braid
- Rugged MDR ribbon type contact
- Quick release latches

Date Modified: January 14, 2000

TS-0994-01  
Sheet 1 of 3

53

---

## Physical

### Connector Contact Plating

Wiping Area: 30 $\mu$ " [ 0.76 $\mu$ m ] Min. Gold

### 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:** > 1  $\times$  10<sup>8</sup> $\Omega$  at @100 Vdc

**Withstanding Voltage:** 350 Vrms for 1 minute

### Individually Shielded Twisted Pairs

**Characteristic Impedance:** 100  $\pm$  10 $\Omega$  (USB 90 ohms)

**Conductor Size:** 28 AWG Stranded

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

---

## Environmental

**Temperature Rating:** -20°C to +75°C

UL File No.: E86982

---

### 3M Electronic Products Division

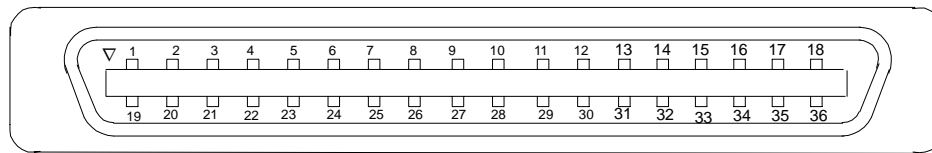
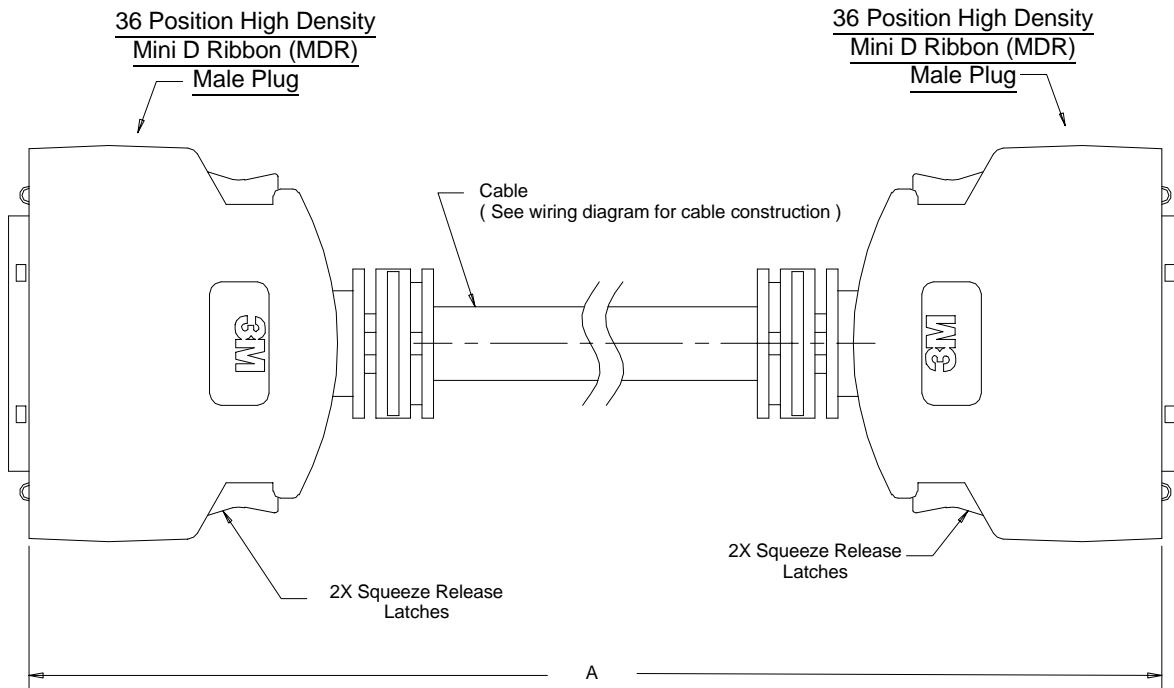
6801 River Place Blvd.  
Austin, TX 78726-9000

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

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

High Speed Digital Data Transmission System — 36 Position

14536-SZ6B-XXX-0HC



MDR 36 Position Plug  
( Both Ends )



## Ordering Information

**14536-SZ6B-XXX-0HC**

Dimension A  
100 = 1 meter  
200 = 2 meter  
300 = 3 meter  
500 = 5 meter  
A00 = 10 meter

TS-0994-01  
Sheet 2 of 3

## 3M Electronic Products Division

6801 River Place Blvd.  
Austin, TX 78726-9000

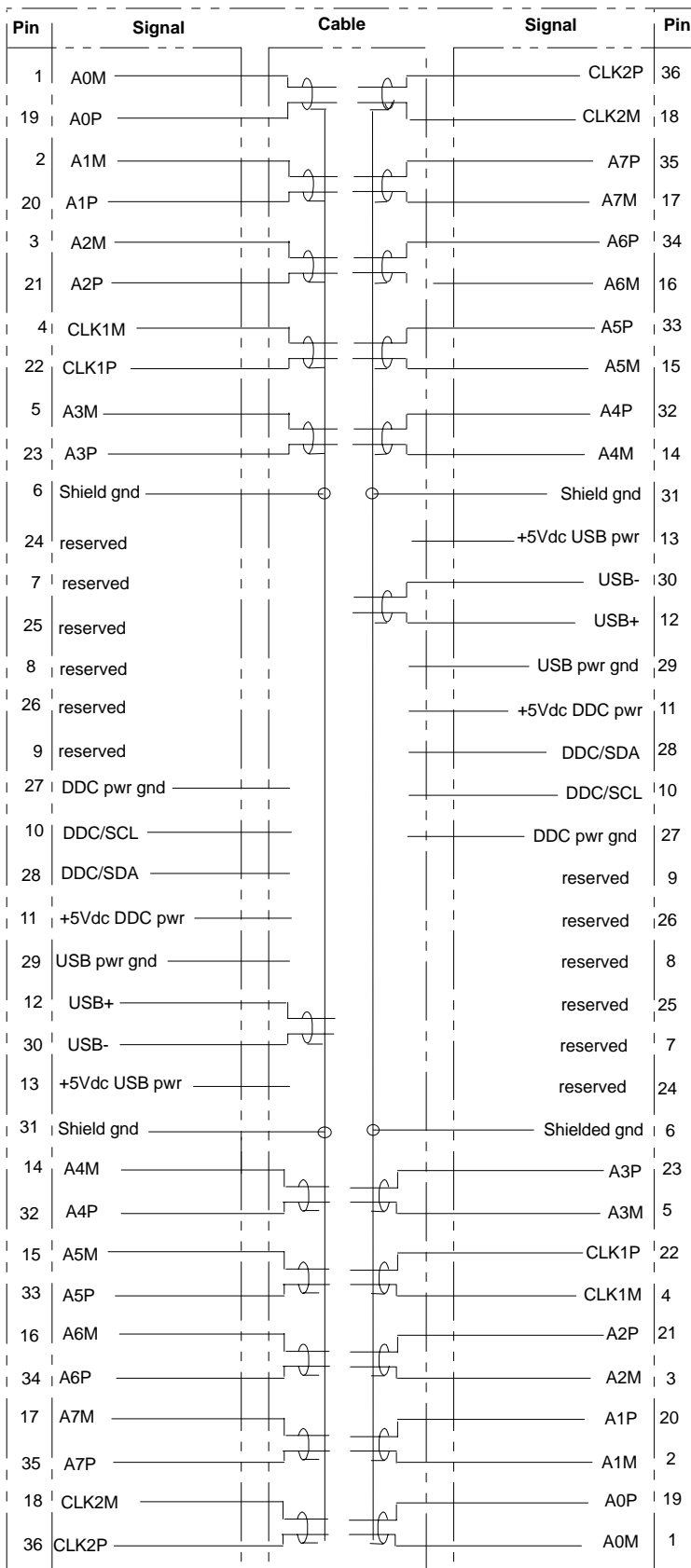
For technical, sales or ordering information call  
**800-225-5373**

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

High Speed Digital Data Transmission System — 36 Position

14536-SZ6B-XXX-0HC

## MDR 36 to 36 Position, Pinout D36-2



Overall cable braid (chassis ground) isolated from inner shields.

**Symbols Key:**

- 28 AWG - 100 Ohm (90ohms for USB) shielded pair with foil out and shared drain
- 28 AWG insulated wire
- Shared drain

TS-0994-01  
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**