

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

High Speed Digital Data Transmission System - 26 to 26 Position

14526-EZ5B-XXX-02C



- The SOLUTION for High Speed Datacom and Telecom applications
- Eight (8) shielded differential pairs
- Each differential TWIN-AX pair has a foil shield and drain wire
- Entire cable bundle is shielded with foil and braid
- Rugged MDR Ribbon type contact—industry preferred
- Quick release latches

Date Modified: November 18, 1999

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## 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

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## 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:** 30 AWG Stranded

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

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## Environmental

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

UL File No.: E86982

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### 3M Interconnect Solutions Division

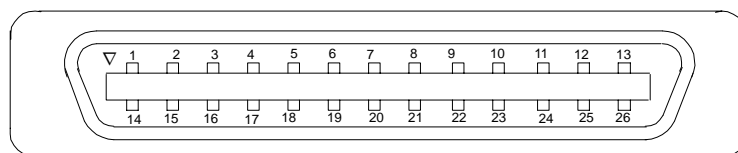
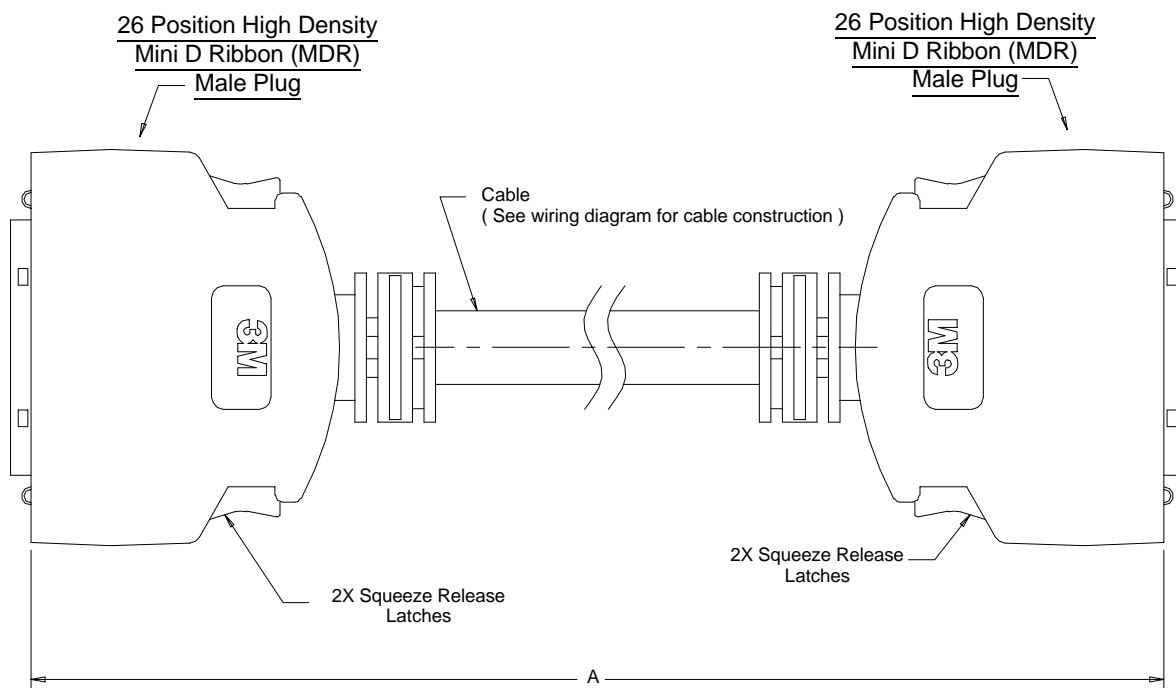
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Austin, TX 78726-9000

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**800-225-5373**

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MDR 26 Position Plug  
( Both Ends )



## Ordering Information

**14526-EZ5B-XXX-02C**

Length see Dim A  
050 = .5 meters  
100 = 1 meter  
200 = 2 meters  
300 = 3 meters  
500 = 5 meters

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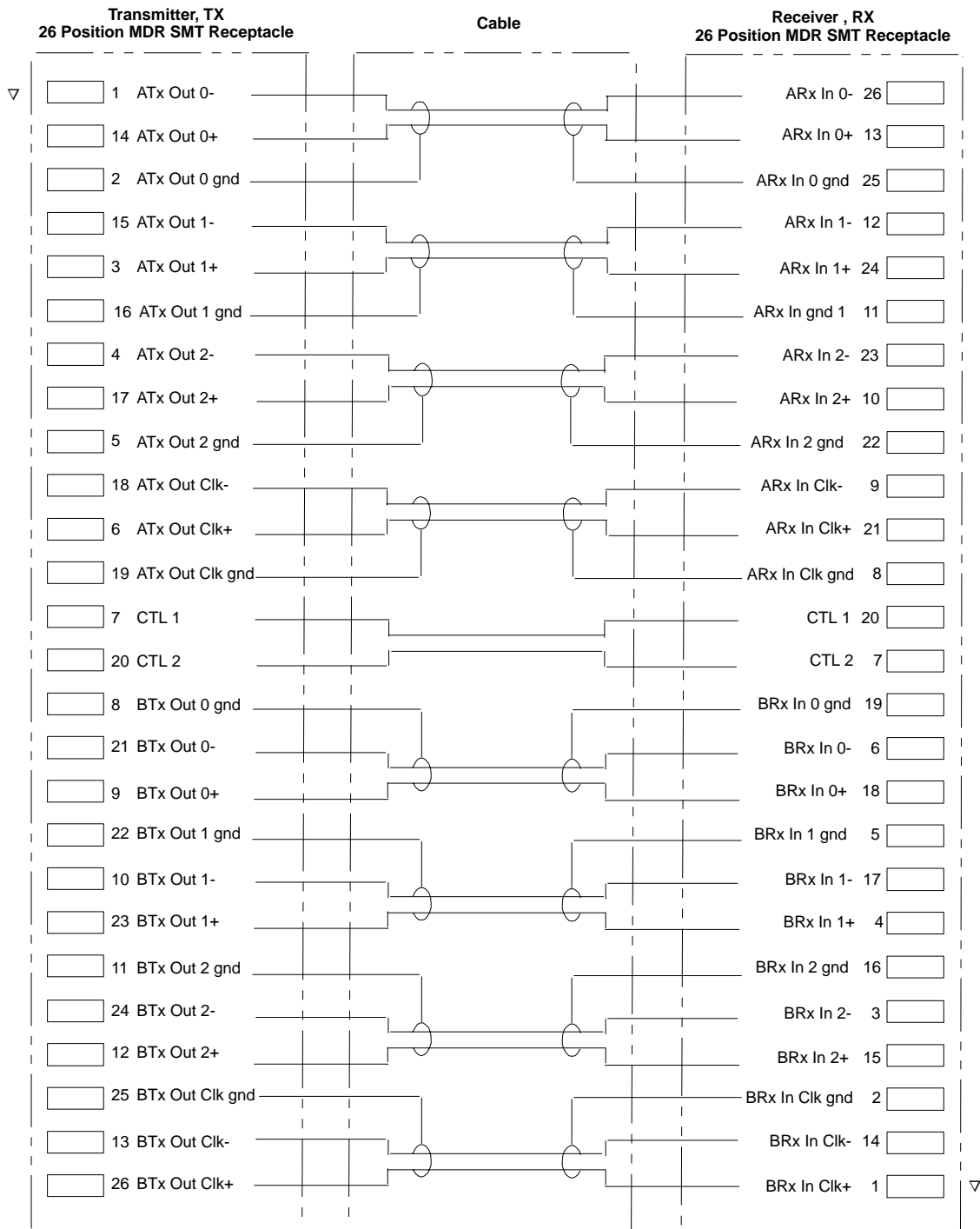
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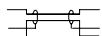
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## MDR 26 Pin, Pinout F26-0



**Symbols Key:**



100 Ohm balanced  
individually shielded  
twisted pair w/drain

- 30 AWG insulated conductor

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