



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# .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

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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 $\Omega$  (USB 90 ohms)

**Conductor Size:** 28 AWG Stranded

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

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## Environmental

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

UL File No.: E86982

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### 3M Electronic Products Division

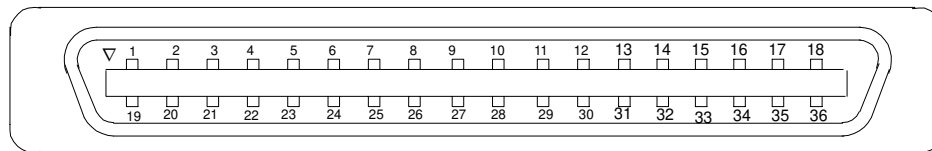
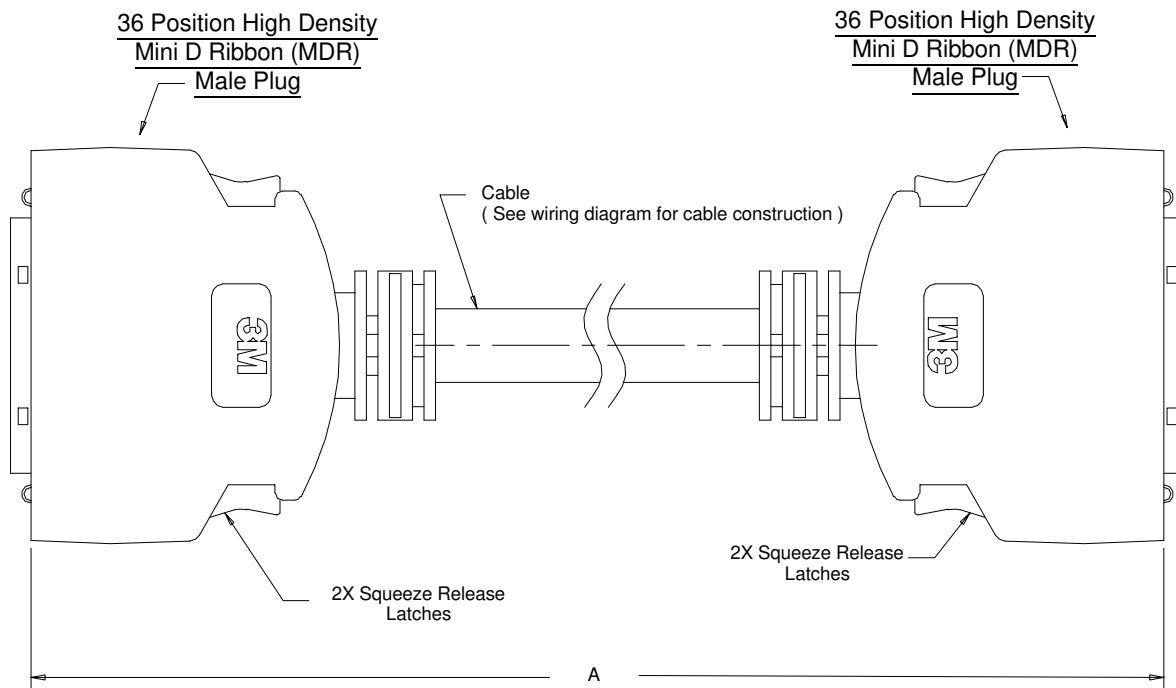
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**800-225-5373**

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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

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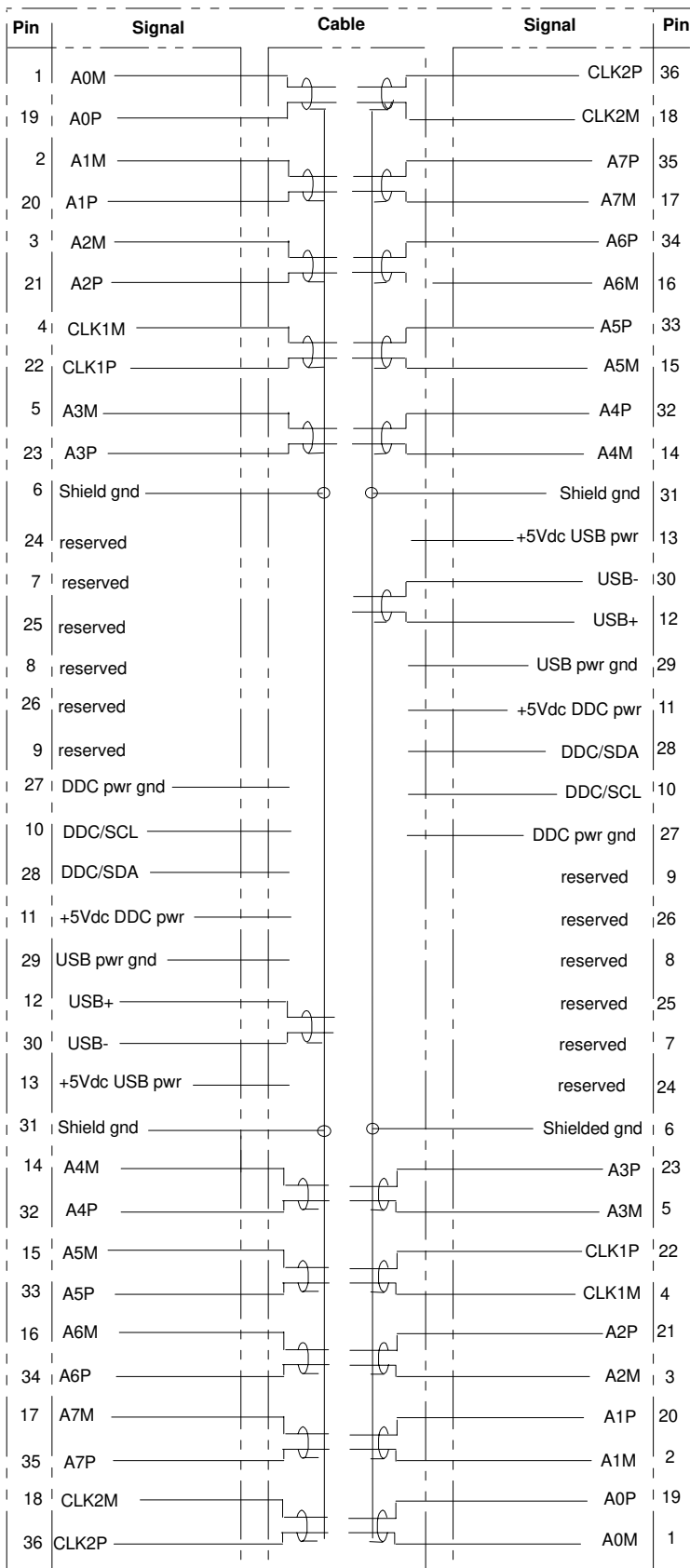
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## MDR 36 to 36 Position, Pinout D36-2



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

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