

# Hercules™

## High-Speed Micro D-Sub



### Space-Grade Versions — Available —

The Hercules High Speed Micro D-Sub offers the same durable, high-bandwidth interconnect schemes for ruggedized applications as existing Hercules Interconnect Systems, in a compact D-sub style shell.

The Hercules HS-MD has provisions for 360° EMI shielding and environmental seals to support IP67 performance. It is available in plug-cable assemblies, panel-mount or board-mount receptacles with SMT tails, and can support USB 3.2 Type C protocol.



### ***Hercules HS-MD delivers the same high performance output of existing Hercules connectors at a size +30% smaller than HS-D!***

The HS-MD suits an array of Mil/Aero applications, including defense aircraft, airborne weapons systems, launch vehicles, tracked and wheeled vehicles, shipboard platforms, and is available for satellite applications.

### Signal Integrity Simulation Data

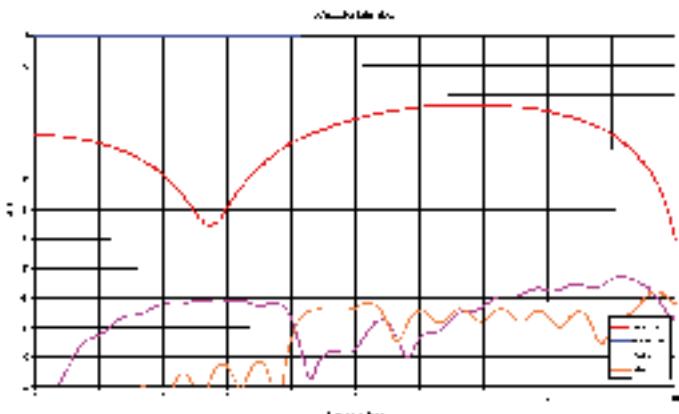


Table 1: HS-MD Simulation Data

Electrical	Performance
Insertion Loss	Less Than -0.5 dB up to 10 GHz
Return Loss	Less Than -10 dB up to 10 GHz
Power / Contact	1 amp

### Key Features

#### Configurations

- Available Shell Sizes: MDA, MDB, MDC, MDD
- Available Positions: 15, 25, 31, 41, 51, 69, 144
- Cable Types: 30 and 32 AWG

#### Specifications

- Shell Material: Aluminum Alloy
- Shell Plating Options: RoHS Compliant Electroless Nickel or Black Nickel Zinc
- Contact Material: Copper Alloy
- Contact Finish: Nickel/Gold Plating 50 u-inch min AU
- Matched Impedance Design of 100 ohm
- Operating Temperature: -50°C to +150°C

#### Modifications

- Custom Backshells for Alternate Cable Exit Options
- Alternate Plating Options Available Upon Request

### Contact Us!

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