

OPTIMIZED  
FOR USE WITH  
**SpeedLine**  
High-Speed Protocol Cables

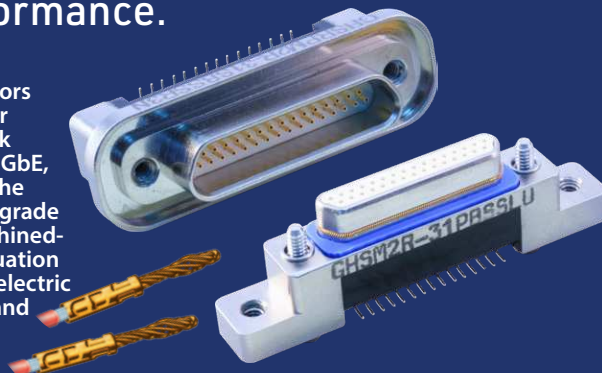


The smallest and lightest  
aerospace-grade,  
high-speed Micro-D  
connector solution



The High-Speed Micro-D uses an impedance optimized open pin field for high-density signal routing flexibility. 1 Amp pre-wired cable and PCB solutions deliver up to 15 Gbps performance per differential pair. Auxiliary EMC ground springs on plugs ensure data integrity and low attenuation performance.

High-Speed Micro-D connectors and cables are optimized for multi-gigabit digital datalink protocols including USB 3.0, 10GbE, Camera Link, and PCIe 3.0. The high-performance, aerospace-grade connector series features machined-shell packaging, low-attenuation contact spacing, low-k PPS dielectric insulators, and Glenair shock- and vibrate-resistant Nano TwistPin contacts.



- Pre-wired factory pigtails, cordsets, and PCB connectors
- Unique contact isolation and spacing for optimal high-speed performance up to 15 Gbps
- Supports maximum #28 AWG wire
- Low- $\kappa$  dielectric insulator combined with optimized contact size and spacing
- Precision-machined shells with gold or nickel plating
- 1 Amp TwistPin contacts for optimal performance in harsh vibration, shock, and high-temperature environments

# SERIES GHSM Micro-D Connectors, High-Speed



The miniature high-speed connector  
with mil-spec connector and contact pedigree

## SUPPORTED HIGH-SPEED PROTOCOLS

Shell sizes and contact arrangements optimized for today's popular high-speed protocols

|                                |                              |                                                 |                           |
|--------------------------------|------------------------------|-------------------------------------------------|---------------------------|
| <br>21<br>Display Port<br>1.2  | <br>21<br>HDMI<br>2.0        | <br>25<br>DVI-D<br>Dual                         | <br>21<br>DVI-D<br>Single |
| <br>15<br>SATA Gen 1, 2, and 3 | <br>15<br>USB 3.0 SuperSpeed | <br>15<br>Up to: Cat 6A<br>(10GBASE-T Ethernet) | <br>31<br>Camera Link     |

## PREWIRED PIGTAIL AND BACK-TO-BACK CABLES



Turnkey, prewired plug and receptacle cable connectors are available as single-ended pigtailed or back-to-back cable assemblies with pin or socket contacts per customer requirements. Shielded twisted pair 963-057-28 SpeedLine cable for differential data pairs is supplied in either 100 or 90 Ohms with a selection of jacketing and color. Discrete hookup wires may be specified in #28 or #30 gauge. Variable lengths of the assembly may be specified in 1 inch increments.

## High-Speed Micro-D contact arrangements face view pin connector

- high-speed signal pair
- signal-pair drain wire
- low-speed signal or power contacts

