



Six Reasons

To Select a Glenair High-Performance Micro-D Connector...

1 Recognized performance standards.

Every element of the MIL-DTL-83513 Micro-D is exactly controlled—from terminal spacing to approved wire termination methods. The military standard defines contact resistance, dielectric withstanding voltage, corrosion resistance, shock and vibration tolerances and a wide range of other electrical, mechanical and environmental performance standards. Standardized measurement and test methodologies ensure consistent, predictable performance throughout this broad family of ruggedized, miniature connectors.

2 Proven reliability under tough operating conditions.

For applications where interconnect failure is simply not an option, the Glenair high-reliability Micro-D offers a wealth of performance benefits which far outweigh any potential cost savings realized by specifying a lesser caliber connector. If downtime is a critical concern, other connectors cannot match the long-term durability and performance advantages of the MIL-DTL-83513 Micro-D, which include:

- Higher current ratings
- Lower circuit resistance
- Superior vibration and shock
- Optimized EMI/RFI shielding
- Broader operating temperature
- Better damage resistance
- Enhanced corrosion resistance
- Better environmental sealing

3 The flexibility of easy customization.

Manufacturers of satellite communications systems, geophysical exploration devices, medical diagnostics and industrial equipment face many of the same packaging requirements for reduced size, weight and shape as do their military counterparts. And the ability to design-in a wide range of custom modifications which fit the unique packaging requirements of these specialized applications is a distinct advantage of the Glenair Micro-D—making it the connector of choice for many unique or small quantity applications.

4 Advanced, high temperature tolerance.

Heat from electrical or environmental sources can soften mated contacts over time and reduce contact retention force. Under extreme conditions of shock and vibration this loss of normal retention can result in unstable resistance across the interconnect. This is the case for all types of contacts—machined, drawn, stamped and twisted. But materials selection, fabrication and heat treating techniques enable Glenair's TwistPin contact to resist high temperature stress relaxation for up to 1000 hours at 125° C and thus perform at levels unmatched by other contact designs.

5 Trouble-free mating and un-mating.

Glenair has perfected a nickel underplating combined with a proprietary duplex gold overplating which provides optimal contact lubricity (anti-galling) and effectively eliminates the oxidation common to copper flash underplating. Glenair's advanced plating process contributes to the overall durability of the connector by reducing contact engaging and separating forces.

6 Fast Turnaround and Same-Day Availability.

Are the Micro-D connectors and accessories you need either in stock or able to be manufactured in a short period of time? Glenair has built its reputation on fast turnaround and can deliver TwistPin products—from discrete connectors to complete assemblies—faster than anyone else in our business. We maintain the world's largest inventory of Micro-D connectors and accessories, all available for immediate shipment with no quantity or price minimums.

