The widest range of mission-critical interconnect technologies in the world

Micro-D Subminiature 83513 Series Connectors and Cables
Rectangular Connector Series Summary

**HiPer-D**
- Glenair Sr. 28
- M24308
- 5 - 40 AMPs
- 31 Layouts
- 9-104 Ways

**Micro-Crimp**
- Glenair Sr. 79
- N/A
- 5-23 AMP
- 33 Layouts
- 2-102 Ways

**Micro-D**
- Glenair Sr. 17
- M83513
- 3 AMP
- 8 Layouts
- 9-100 Ways

**AlphaLink**
- Glenair Sr. 171
- N/A
- 2 AMP
- 12 Layouts
- 4-40 Ways

**Nano**
- Glenair Sr. 89
- M32139
- 1 AMP
- 7 Layouts
- 9-85 Ways
Micro-D Connectors and Cables

Ultra-Miniature Rectangular Connectors for Mission-Critical Applications

- QPL MIL-DTL-83513 and Glenair commercial versions
- 3 Amp contacts (9-130)
- .050 inch Micro layouts deliver optimal connector package density
- Machined shells and TwistPin contacts deliver optimal reliability and performance
- High temperature range: 260° C
Glenair Micro-D Advanced-Performance TwistPin Contact System

Precision machined components can be readily integrated into a wide range of connector packages
MIL-DTL-83513 Qualified Micro-D Subminiature Connectors

- Glenair is fully accredited to all released MIL-DTL-83513 approvals.
- Large Same-Day Stock of Mil 83513 and COTS product
- All of our Mil 83513 product are built using the TwistPin contact system
Standard Micro-D Subminiature Product Offerings

- Pigtail, PCB mount and solder cup variants available
- Metal shells - layouts from 9 through to 130
- Plastic shells - layouts from 9 to 51
- Different plating, wire and hardware options to suit the application
- Backshells and other key accessories
- Essential tools
Micro-D Subminiature Solder Cup Connectors

- Used for on-site solder termination, normally in an R & D build or when sub-modules come prewired
- Available in all layouts: Pin and Socket
- Large bore 24 AWG precision machined solder cups are available as a standard catalog offering
MWDM Micro-D Subminiature Flying Lead Connectors

- Aluminum and stainless shells
- TwistPin contact system crimp terminated with customer choice of wire:
  - K: M22759/11 TFE
  - J: M22759/33 ETFE (Space)
  - E: NEMA HP3-EB TFE
- White, yellow, color-coded stripes and 10 color repeat
- Large same-day stock – color coded or single color wire
- Many hardware options
The 177 series offers a connector that is prewired with an integral backshell and overbraid.

- Standard and twisted pair wiring options available straight from the book.
- Ground spring options for enhanced shell-to-shell conductivity.
Micro-D Subminiature Hermetic Connectors

- Matched glass to metal Kovar seals and contacts
- Kovar metal connector shells
- 9 through 100 contacts
- Weld mount or O-ring mount
- Integral jack posts
- Socket receptacles
- 1 amp; 150 volt AC rated
- $1 \times 10^{-8}$ leak rate
- Same-day inventory
Glenair supplies a full range of Capacitance, Pi and C-filtered Micro-D EMI/RFI filter connectors and connector assemblies.

Catalog filter products include:
- Flying lead
- In-line adapter
- PCB mount
- Solder cup
The GMPM Series Power Micro-D Subminiature

- Glenair GMPM range is available in power-only or power and signal configurations.
- Flying lead connectors
- Solder cup connectors
- PCB mount connectors (consult factory for availability)
- 13 amp rating on power pins
- Easily customized with power, coax, fiber and signal contacts
Largest Range of Micro-D Backshells in the Interconnect Industry
Well-Master™ 260 (GHTM)
The high temperature Micro-D for +260°C applications
SpaceWire (GSWM)

Space-protocol compatible turnkey Micro-D Jumpers

- Qualified for application in international space systems
- Full-duplex, point-to-point serial links and cables
Glenair Micro-D Right Angle (GMDR)

Pigtail Micro-D with right-angle wire exit – saves space!
Rear Panel Mount Micro-D (GRPM)

Connector configurations

- All standard Micro-D’s
  - Solder cup
  - Pigtail
  - Circuit board
- O-Ring: C = conductive; N = non-conductive (Nitrile)
- Hardware: Rear panel mount jackpost with panel thickness .032-.125
MasterLatch™ Locking Micro-D (GMLM)
Low Insertion Force Thumb-Latch Micro-D
MasterLatch™ Locking Micro-D

Insert arrangements

Face view pin connector - Micro-D contact arrangements

9 pin  
15 pin  
21 pin  
25 pin

31 pin  
37 pin
Glenair Micro-D Cordsets (GMDCS)

Available in sizes 9 - 130
Micro-D Subminiature 83513 Series Connectors and Cables