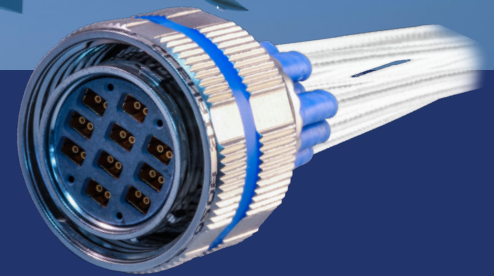




Series 806 High-Density Mil-Aero circular connectors with VersaLink differential twinax contacts



Series 806 offers significant size and weight savings while meeting key performance MIL-DTL-38999 Series III benchmarks for a broad range of applications such as commercial and military aerospace, defense systems and more. Designed for rugged use in harsh vibration, shock, and environmental settings—as well as high-altitude, unpressurized aircraft zones, with aggressive voltage ratings and altitude immersion standards, the smaller form-factor twinax contact design enables from 1 to 32 pairs within a single size 24 Series 806 connector. Glenair Signature Series 85 VersaLink™ twinax contact modules provide higher speed and density than conventional mil-spec twinax solutions. Individually shielded pairs result in virtually zero crosstalk with data rates up to 28 Gbps. These highly-engineered differential twinax modules are designed for support of high-speed serial data protocols including USB 3.1 Gen2, USB-C, PCIe, DisplayPort, and HDMI.

**Next-generation small form factor aerospace-grade circular connector**  
**Designed for rugged use in harsh application environments such as aircraft, industrial robotics and more**

**Upgraded environmental, electrical and mechanical performance**

**Integrated anti-decoupling technology**

**High-speed VersaLink contact layouts and combo VersaLink and high density 20HD and 22HD contact arrangements**

**+200°C temperature rating**

Supported Networking Protocols
10Gb Ethernet
40Gb Ethernet

Supported Peripheral and Display Protocols
DVI (Digital Visual Interface)
HDMI 2.1 (High-Definition Multimedia Interface)
DisplayPort 2.0
SATA 3 (Serial AT Attachment)
USB 3.0 (Universal Serial Bus)
USB 3.1 Type C (Universal Serial Bus)
USB 3.2 (Universal Serial Bus)
USB4 (Universal Serial Bus)
PCIe 4 (Peripheral Component Interconnect)

**SERIES 806: 38999 PERFORMANCE IN A SMALLER, LIGHTER PACKAGE**



Series 806      MIL-DTL-38999 Type

Series 806 has passed the following MIL-DTL-38999 Series III vibration tests:

- Sine Vibration: -55°C and +200°C
- Random Vibration: +200°
- Random vibration at ambient temperature 49 Grms

Other performance features include:

- +200°C continuous operating temperature
- 70,000 ft. altitude immersion
- 500 mate / demate cycles