

QPL AND COTS EQUIVALENT MIL-DTL-38999 Series IV Hermetic

The industry standard mil/aero connector backed with Glenair service and availability

Hermetic-class DLA certified MIL-DTL-38999 Series IV connectors from Glenair provide hermetically sealed breech lock connectors for high shock and vibration applications. Breech-lock systems provide robust engagement augmented by an internal mechanical thread to ensure connectors remain mated. Glenair Series IV hermetics maintain seal integrity and prevent ingress of chemical substances or fluids in mission-critical vacuum environments where air or gas impurities can result in corrosion, dielectric breakdown, and loss of insulation resistance between conductors. Typical applications include medical, geophysical, military aerospace and other industrial applications. Marked with D38999 or Glenair COTS part numbering, these hermetic class receptacles are available for box mount, jam-nut, solder mount and weld mount shell styles. All standard material and finish classes are supported including Y (CRES, passivated) and N (CRES, electrodeposited nickel). Contact arrangements per MIL-STD-1560 and both normal and alternate polarizations are fully supported. Best of all, defense and commercial aerospace customers, as well as land and marine engineers and procurement specialists may now specify these mission-critical interconnects directly from Glenair—the recognized service, support, and availability leader for the interconnect industry.

**DLA-QPL MIL-DTL-38999
SERIES III AVAILABLE FROM
GLENAIR**

- Qualified hermetic jam-nut, weld, solder and box mount receptacles
- All 1560 crimp-contact insert arrangements fully supported
- N and Y plating classes, plus Glenair COTS equivalents
- 100% made in America, no foreign-sourced materials, component parts, or assembly labor employed



Glenair: Made in America since 1956

QPL QUALIFIED AND COTS EQUIVALENT MIL-DTL-38999 Series IV, Breech Coupling

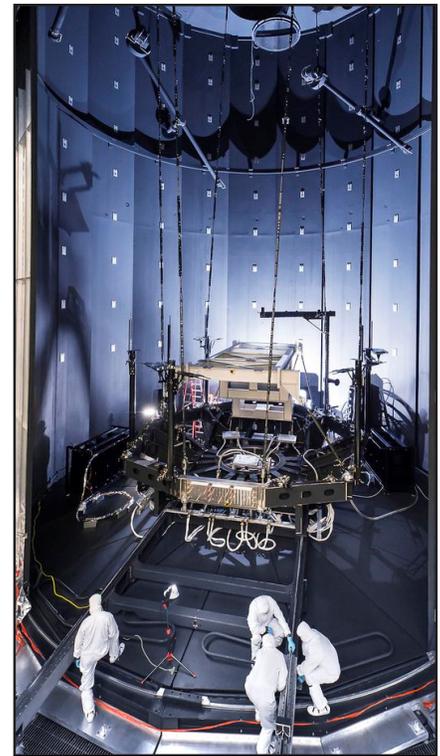


Industry standard, hermetic triple-start mating,
Mil qualified connectors

MECHANICAL, HERMETIC, AND ELECTRICAL PERFORMANCE

MIL-DTL-38999 Series IV (Glenair Series 234-100) offers outstanding interconnect performance for mission-critical military and commercial applications.

- **Breech-lock, self locking connectors available with pin/socket, solder cup or eyelet contacts**
- **Electromagnetic compatibility (EMC):** metal-to-metal coupling, plug grounding fingers, and conductive shell finishes deliver excellent shielding performance up to 45 dB at 10 GHz
- **Contact protection:** scoop-proof design prevents inadvertent damage to pin contacts during mating
- **Hermetic sealing:** 10⁻⁷ cc/second maximum helium leak rate
- **Corrosion resistance:** connector shells are made from corrosion resistant steel and are offered with passivated or electrodeposited nickel finish
- **Mating:** breech lock interface provides fast mating with excellent high shock and vibration tolerance to demating
- **Supported contacts:** from size #22D signal to #12 signal in solder cup, feedthru, and eyelet
- **Commercial equivalent:** Glenair COTS equivalent connectors deliver mil-spec performance with material/finish options not available in QPL parts



SERIES IV HERMETIC

CONNECTOR FINISH CLASSES



Electrodeposited Nickel

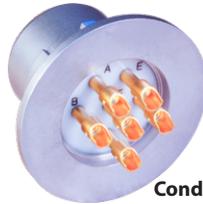
Conductivity ++++

Corrosion Resistance ⓧⓧⓧⓧ

-65° to +200°C

Glenair Code **ZL**

D38999 Class **N**



Passivated

Conductivity ++++

Corrosion Resistance ⓧⓧⓧⓧ

-65° to +200°C

Glenair Code **Z1**

and **Z1S** (space)

D38999 Class **Y**

and **H** (space)



38999 SERIES IV ACCESSORIES



Glenair offers a full range of QPL D38999 accessories, contact the factory for details

SUPPORTED SHELL STYLES



Jam-Nut Receptacle



Box Mount Receptacle



Solder Mount Receptacle



Weld Mount Receptacle