QPL AND COTS EQUIVALENT

MIL-DTL-38999 Series III Hermetic

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

Hermetic-class MIL-DTL-38999 Series III connectors are also available from Glenair with DLA certification. These hermetically sealed connectors are ideally suited for harsh environments where the environment exists under vacuum and must remain free of air or gas impurities via the ingress of foreign chemical substances. Such systems may be susceptible to the condensation of corrosive material, dielectric breakdown and the 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 Series III and IV in box mount, jam-nut, solder mount and weld mount shell styles. All standard material and finish classes are supported including Y (CRES, passivated), N (CRES, electrodeposited nickel), and H (space-grade). Contact arrangements per MIL-STD-1560. All standard and normal and alternate key and keyway polarizations are fully supported. Best of all, defense and commercial aerospace customers, as well as land and marine engineers and procurement specialists may 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, box mount, solder mount and weld mount receptacles**
- **All 1560 crimp-contact insert arrangements fully supported**
- **N, Y, and H plating classes, plus Glenair SuperNine® signature equivalents**
- **100% made in America interconnect: No foreign-sourced materials, component parts, or assembly labor employed**

Glenair: Made in America since 1956

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Dimensions in inches (millimeters) are subject to change without notice

QPL QUALIFIED AND COTS EQUIVALENT

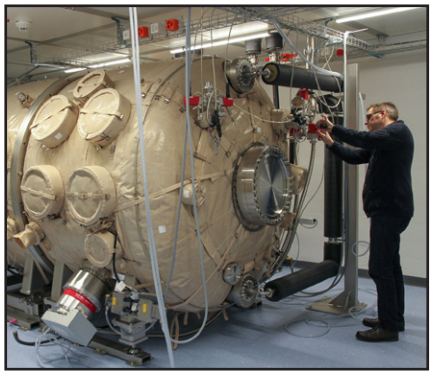
MIL-DTL-38999 Series III, Triple-Start Thread

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

MECHANICAL, HERMETIC, AND ELECTRICAL PERFORMANCE

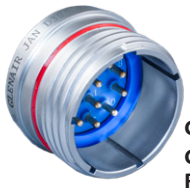
MIL-DTL-38999 Series III (Glenair Series 233-100) offers outstanding interconnect performance for mission-critical military and commercial applications.

- **Triple start self locking connectors available with pin/socket, solder cup, PC tail or eyelet contacts**
- **Electromagnetic compatibility (EMC):** metal-to-metal coupling, grounding fingers in plugs, and conductive shell finishes deliver excellent shielding performance up to 65 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:** triple-start stub ACME threads provide fast mating and resist galling and cross-threading
- **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



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
D38999 Class Y and H (space)

38999 SERIES III ACCESSORIES

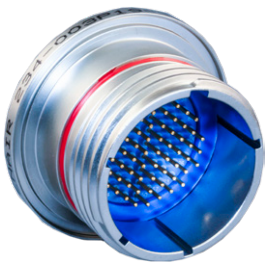
Glenair offers a full range of QPL D38999 accessories, contact the factory for details

SUPPORTED SHELL STYLES

Jam-Nut Receptacle

Box Mount Receptacle

Solder Mount Receptacle



Weld Mount Receptacle

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