



BETTER THAN QPL

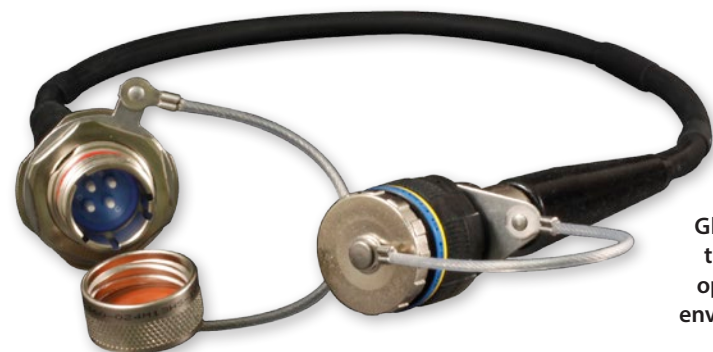
SuperNine®: Glenair advanced-performance MIL-DTL-38999 Series III type connectors

SuperNine® is the industry's most complete and advanced D38999 Series III type connector family. From standard environmental-class connectors with improved durability and ease-of-use, to EMI/EMP filter connectors with innovative flange and PC tail termination configurations, SuperNine® offers military, commercial aerospace and other customers that have standardized on Series III technology the opportunity to improve interconnect system performance and resolve a wide range of persistent electrical, environmental, and mechanical performance problems—all with catalog connector solutions backed by Glenair's high-availability business model.

SuperNine® offers improved durability, sealing, cost-of-ownership, ease of shield termination, a broader range of PC tail configurations, environmental and hermetic bulkhead feed-throughs, connector savers, off-the-shelf EMI/EMP filter connectors and more—all supported with Glenair's well-established reputation for service, support, and fast turnaround.

THE SUPERNINE® TECHNOLOGY PROMISE

- Across-the-board improvements in mating-cycle and contact durability
- Advanced ease-of-use features such as integrated shield-termination band porches and threaded PC-Tail standoffs
- High-performance improvements in every connector class—from filters to fiber optics



Glenair SuperNine® connectors in action: in this example, a pair of our advanced fiber optic interconnects cabled-up in a turnkey, environmentally sealed point-to-point jumper

BETTER THAN QPL
SuperNine®



Advanced performance MIL-DTL-38999 Series III Type Connectors

SuperNine™ Environmental I/O and Cable Connectors



- Plug connectors with integrated ground springs and banding porch
- Complete range of crimp connectors with high-durability contacts
- Five different designs of printed circuit board connectors and standoffs
- Standard MIL-STD-1560 as well as high-density insert arrangements
- High-durability/advanced vibration and shock ratcheted coupling

SuperNine™ High-Speed Connectors



- Full range of hybrid insert arrangements incorporating size #22 signal contacts, plus size #12 and #8 keyed shielded contacts
- El Ochito®: One full 1G/10G Ethernet channel per standard size #8 cavity
- Supported applications: 10/100/1G/10G BASE-T Ethernet, analog/digital video, 1553 databus and general RF or differential data transmission
- Turnkey Quadrax and El Ochito® solutions—from crimp and PCB contacts to connectors

SuperNine™ High-Pressure Hermetic Connectors



- Glass-to-metal seal pin/socket hermetics with sealing up to 1×10^{-10} cc/sec
- DSCC qualified and derivative solutions with advanced mounting features
- Pressure resistance to 32,000+ psi
- Stainless steel, titanium, Kovar® and Inconel® shell material options
- Bulkhead feed-through and hull penetrator versions

SuperNine™ Ruggedized RJ45 and USB Connectors



- Insert-to-shell grounding for superior EMC continuity and shielding
- Superior environmental sealing, IP67 unmated compared to COTS solutions
- Advanced vibration and mechanical shock tolerance
- Full range of offerings for Cat6a Ethernet: Jacks, Plugs, PC tail and crimp
- High-temperature rated -40° to +125°C

SuperNine™ EMI/EMP Filter Connectors



- Planar, multilayer ceramic capacitive filters with and without TVS diodes
- C, L-C, C-L, and Pi filter electrical configurations
- Special high operating temperature solutions
- Industry's broadest range of pF capacitance: from 10 to 1,000,000 pF
- Fast and reliable in-house manufacturing of all filter elements and processes

SuperNine™ Fiber Optic Connectors



- Ultralightweight composite thermoplastic connector solution
- Qualified size #16 MIL-PRF-29504 pin-socket precision ceramic termini
- Ultra tight tolerance shell and cavity dimensions for precise axial alignment
- Ultra low insertion loss values for both singlemode and multimode
- Insert arrangements from 2 to 37 ways