

MIL-DTL-38999 Series III Type Advanced Performance Connectors

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SuperNine® Environmental I/O, Cable and PCB Connectors



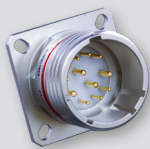
- Plug connectors with material class and banding porch options
- Complete range of IP68 PC tail receptacles with high-durability contacts
- Five different designs of printed circuit board connector standoffs
- All MIL-STD-1560 as well as high-density insert arrangements
- High-durability vibration and shock coupling

SuperNine® High-Speed Connectors



- Full range of hybrid insert arrangements incorporating size #22D signal contacts, plus size #16, #12 and #8 keyed shielded contacts
- El Ochito®: One full 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 contacts to connectors, wire and termination hardware

SuperNine® High-Pressure Hermetic Connectors



- Glass-to-metal seal 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
- Lightweight CODE RED hermetics with 1×10^{-7} max sealing

SuperNine® Ruggedized RJ45 and USB Field Connectors



- Insert-to-shell grounding for superior EMC continuity and shielding
- Superior environmental sealing to IP67 compared to COTS solutions
- Advanced vibration and mechanical shock tolerance
- Full range of offerings for Cat 5e and 6A Ethernet: jacks, plugs, PC tail and crimp
- High-temperature rated -40° to $+125^{\circ}$ 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 capacitance: from 10 to 1,000,000 pF
- Fast and reliable in-house manufacturing of all filter elements and processes

SuperNine® Fiber Optic Connectors



- Ultra-lightweight composite thermoplastic connector solutions
- 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