



SuperNine[®] PWM

Aerospace-grade connectors for PWM and other high-voltage, high-temperature applications

High-voltage power connectors optimized for pulse width modulation applications (PWM) require unique capabilities including the ability to withstand PWM inverter electrical stresses far different from standard 50/60 Hz AC conditions. Designed in collaboration with the Clean Sky Consortium, Glenair SuperNine[®] PWM power connectors have been optimized for PWM switch frequencies, 1000V working voltages, and temperature range tolerance from -65° to +200°C. In addition to its high-performance, heavy gold crimp power contacts, the SuperNine[®] PWM features stainless steel connector shells and temperature-tolerant PEEK (polyetheretherketone) dielectric inserts. Engineered contact-to-contact spacing and contact-to-shell grounding contributes to this connector's unique capability in MEA (More Electric Aircraft) and other power-intensive commercial and military applications.

SuperNine[®] PWM is the latest offering in Glenair's high-performance MIL-DTL-38999 Series III connector family. Glenair is a qualified (QPL) supplier of MIL-DTL-38999 Series III connectors (EN3645-001: 23 type). SuperNine[®] rolls up many of the technology advances Glenair has pioneered in our commercial environmental, hermetic, and filter D38999 connectors from our over 60 years in the interconnect industry.

SuperNine[®] is intermateable with all industry-standard D38999 solutions and accommodates Glenair's broad range of connector designator "H" backshells, protective covers, shrink boots and lightweight composite accessories.



- 1000 VAC RMS/VDC working voltage
- IAW EN3645-001: 23
- Certified for Clean Sky PWM inverters
- SuperNine[®] high-performance MIL-DTL-38999 type
- High-vibration / anti-decoupling performance
- Shell-to-shell grounding plus integral EMI grounding fingers
- High-temperature tolerant PEEK inserts
- Heavy gold-plated size #8 power crimp contacts
- Wide range of supported cables
- Available strain relief and shield termination backshells