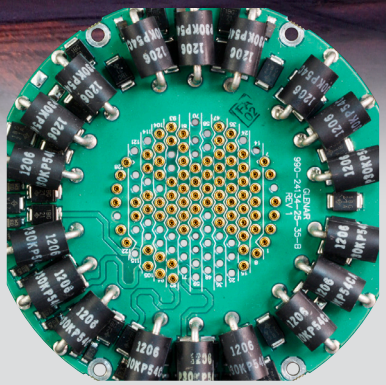
MIL-DTL-38999 TYPE
TVS FIELD-READY
RJ45 ETHERNET

RJ45/USB SUPER SEAL™

FILTER EMI/EMP CONNECTORS

*SUPERSEAL™*

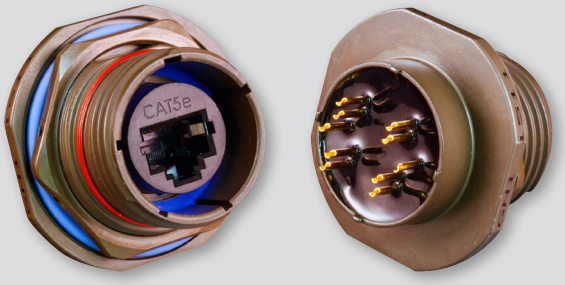
# Transient Voltage Suppression (TVS) RJ45 Connectors



Transient Voltage Suppression (TVS) technologies are designed to shunt voltage transients directly to ground before such surges can damage sensitive electronic equipment. Individual TVS diodes as well as diode modules are incorporated directly into the TVS filter connector package to provide optimal protection for either individual contacts or groups of contacts without significant increases in connector size or weight. RTCA DO-160 and other electrical performance standards define acceptable benchmarks for withstanding electromagnetic pulse, lightning strike, or other induced voltage surges in high-reliability systems. For high-speed signals, care must be taken in selecting diodes to minimize capacitance loading effects which can lead to signal loss. Glenair SuperSeal™ TVS-equipped RJ45 connectors have been engineered to transmit high-speed signals while providing indirect lightning strike protection in accordance with the RTCA DO-160 standard.

## *Prevents Catastrophic EMP Failure in Military and Commercial Aircraft*

- **Electromagnetic pulse (EMP) protection**
- **Lightning protection**
- **Saves weight and space**
- **Superior performance**
- **D38999 Series III type**
- **SuperSeal™ signature sealing and grounding**




MIL-DTL-38999 type Series III SuperNine RJ45 receptacles with transient voltage suppression technoloy

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Dimensions in Inches (millimeters) are subject to change without notice.