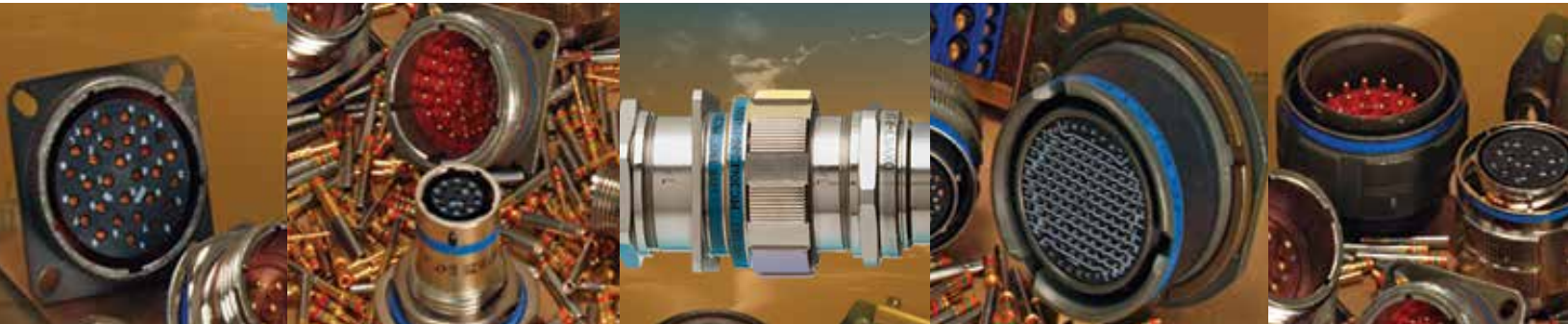


Electrical Connector Testing

Comprehensive testing and qualifying services based on experience and expertise



Experior Laboratories offers a full range of experienced qualification, design verification and reliability test services for electrical connectors, cables and systems.

Experior Labs is approved to MIL-STD-790 by the Defense Logistic Agency (DLA) Land and Maritime for testing of MIL-DTL-38999 connectors. Experior Labs also qualifies other connector styles, i.e. AS50151, ARINC600, MIL-DTL-26482 and many more.



All testing is conducted in strict accordance with standardized test methods including the EIA-364 series of electrical test methods and MIL-STD-1344 - as well as many other industry standards.

Test methods for electrical connectors include:

- Vibration, shock and impact
- Temperature and humidity
- High temperature, thermal shock and simulated life
- Fire wall
- Altitude
- Retention system fluid immersion and salt spray
- Contact retention, stability and axial concentricity
- Contact engagement and separation force
- Coupling torque and accessory thread strength
- Maintenance aging and durability
- Backshell shield conductivity
- External bending moment
- Cavity-to-cavity leakage
- Isolation and contact resistance
- Dielectric withstanding voltage
- Accessory thread strength
- Insert bond strength and insert retention
- Magnetic permeability
- Shell spring finger forces and shell to shell conductivity
- Nano second electrical discontinuity measurements

Experior Laboratories is an ISO/IEC-17025:2005 accredited testing facility combining electrical measurement expertise with environmental and mechanical testing capabilities. Internal capabilities range from climatic (temperature/humidity, thermal shock, and thermal aging) to mechanical (vibration, tensile / flex / twist, shock, impact), to various material tests (corrosion / salt fog, fluid immersion, flammability, rockwell hardness, etc).

Experior Laboratories....helping customers ensure the reliability of their products and reduce the overall time-to-market.

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