Electrical Connector Testing

Flexible testing and qualifying services for the military and aerospace markets

Experior Laboratories is an experienced testing and qualification laboratory with proven success in connector testing. Experior offers a full range of testing services for the qualification, design verification and reliability testing of electrical connectors and systems.

Experior is approved to MIL-STD-790 by the Defense Supply Center Columbus in Ohio (DSCC) for testing of MIL-DTL-38999 connectors and a range of test methods for electrical connectors including:

- Vibration, Shock, and Impact
- Temperature Cycling and Thermal Shock
- High Temperature Exposure and Humidity
- Accessory Thread Strength and Backshell Shield Conductivity
- Cavity-to-Cavity Leakage and Contact Engagement and Separation Force
- Contact Retention and Contact Stability
- Coupling Pin Strength and Coupling Torque
- Dielectric Withstanding Voltage and Durability
- Electrical Engagement External Bending Moment
- Insert Bond Strength and Insert Retention
- Insulation Resistance and Magnetic Permeability
- Retention System Fluid Immersion and Salt Spray
- Shell Spring Finger Forces and Shell to Shell Conductivity

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.

Experior is an ISO/IEC-17025:2005 accredited testing facility that combines electrical measurement expertise with environmental and mechanical testing capabilities. Internal capabilities range from climatic (temperature/humidity, thermal shock, thermal aging) to mechanical (vibration, tensile / flex / twist, shock, impact) to 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.

experior laboratories
TESTING • CERTIFICATION • QUALIFICATION

Headquartered in Oxnard, Calif., Experior Laboratories, Inc. specializes in providing independent third party test services to manufacturers in optical and electrical component industries. Experior specializes in qualification and design verification testing as well as calibration services for component manufacturers, military contractors, integrators and system providers within telecom, datacom, military, aerospace and industrial markets. As the fastest growing independent test laboratory in North America, Experior Labs is recognized for its superior customer service, consistent on-time delivery, project management by experts and end-to-end accountability.

TESTED BY EXPERIOR LABORATORIES