



PEMedge® Electrical Testing

Be Confident in the Design of Your Electrical Components

With growing demand for electronic requirements in vehicles, the reliability of component designs is more critical than ever. PEMedge® Electrical Testing provides accurate and dependable testing methods, giving you the confidence you need in your designs.

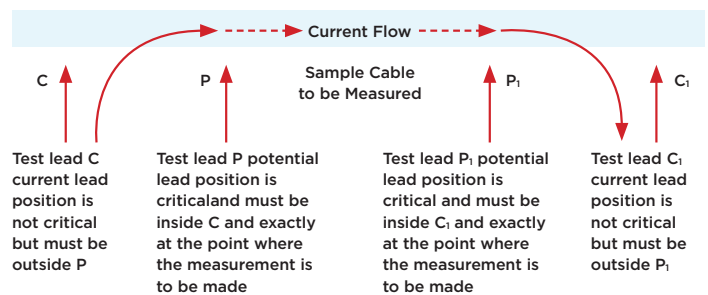
We offer two testing methods to validate the quality, safety and performance of fastening components used in electrical systems:

Electrical Resistance Testing (ASTM B539)

This method measures the electrical resistance level across fastener joints to ensure systems are delivering optimal performance and safety.

- **What It Measures:** The opposition to electrical flow through component materials and interfaces.
- **Why It Matters:** High resistance can cause heat buildup, leading to energy loss and potential safety hazards.

Theoretical test setup of a four-wire measurement system.

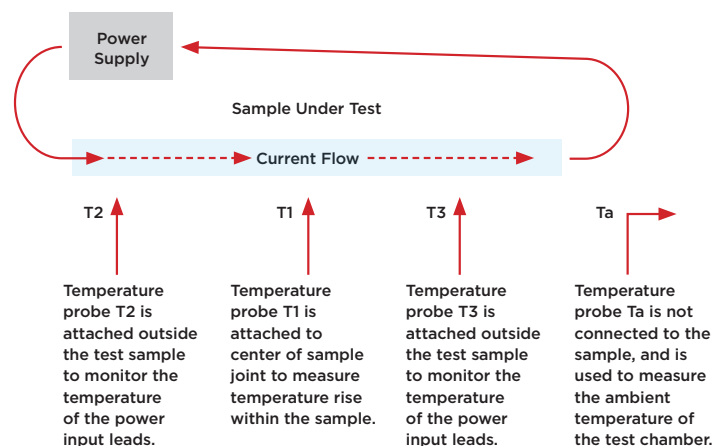


Time/Temperature Testing (IEC 60512)

This testing method evaluates how components perform under varying electrical current levels.

- **What It Measures:** Changes in temperature caused by energy loss through heat.
- **Why It Matters:** Ensures components in system have adequate current-carrying capacity to prevent overheating and protect system integrity.

Top view of draft-free enclosure for terminal testing.



Talk to an Engineer

Electrical testing is free. [Talk to a PEM® engineer](#) today to learn more about our testing capabilities.

Scan QR Code to Learn More





PEM eConnect® Fastening Solutions

Engineered for eMobility, PEM eConnect® fasteners deliver repeatable, consistent electrical joints with superior installation compared to traditional connector solutions.

- **Quick, Secure Automated Installation** for simplified processes
- **Eliminates Hot Spots and Poor Conductivity**, for efficient and safe joints every time
- **Range of Captivation Options** to fit your specific application requirements
- **Unmatched PEM® Quality** trusted by engineers worldwide

Perfect for advanced eMobility applications, PEM eConnect® ensures every connection is strong, reliable, and built to last.



PEM eConnect® Pins

Current carrying pins that provide superior electrical connections in applications that demand heightened performance from internal components.



PEM eConnect® Contact Bushings

For use in aluminum and copper busbars. Provide repeatable, consistent electrical joints and superior installation in applications that demand superior performance.



PEM eConnect® Surface Mount Fastener

For use with PC boards to satisfy component-to-board, board-to-board, and board-to-chassis attachment needs.

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