



PRINTED WIRING BOARD (PWB) TESTING

UL PWB Testing, Certification and Validation

UL offers comprehensive PWB testing that covers a variety of your needs.

UL can assist by being the main provider for all your PWB testing needs and can work with you at any stage, including product development, to help your products reach the market faster than ever. UL offers the latest testing methods and programs that meet the most critical safety certification and testing needs of the PWB industry. Your customers will value how UL helps them to eliminate duplicate testing in finished end products containing UL Recognized components, as well as gain fast market access to regions that limit the use of hazardous substances in electronic products.

Comprehensive product coverage

UL's certification and testing programs can be applied to a wide range of PWB components and materials, including:

- Printed wiring boards (single layer, multilayer, flexible, flex-rigid, metal based)
- Industrial laminates (rigid, ultra-thin, flexible, high density-interconnect, metal based, metal-clad laminates)
- Permanent coatings (films, liquids, photo-imageable, UV curable)

Customize your testing program

All of UL's PWB certification or testing programs can be customized to your applications and specifications, according to your business needs and goals.

UL offers Component Recognition for the United States and Canada.

The PWB components and materials are evaluated in accordance with UL Standards for Safety – UL 796, UL 796F, UL 746E, UL 746F, as appropriate.

UL offers performance and reliability testing in accordance with other industry standards, such as ASTM, IPC, IEC, etc. Scope of testing includes:

- Chemical
- Electrical
- Environmental
- Flammability/Ignition
- Mechanical
- Physical
- Thermal

Online tools

UL Recognized Components are listed in UL's Online Certifications Directory and UL iQ™ database located at www.ul.com/database. Your customers can instantly search and identify the components and materials they need to complete their subassemblies or end products. These free listings include general information about your products, location and contact information — thus expanding your market opportunities.

Enhanced market acceptance

UL Recognized components and materials can significantly influence your customers' purchasing decisions. PWB components and materials that are UL Recognized are known for having undergone the most stringent safety testing and follow-up program in the PWB industry. They are widely accepted by OEMs, contract manufacturers, designers, buyers and regulators.

Fast market access

UL offers market access support through the UL family of global companies. UL is well equipped to work with you in simplifying the process of meeting product conformity and safety requirements in multiple global markets — including a mutual component recognition program for the United States and Canada.

For more information E: Ctech@ul.com / W: ul.com