



USB Type-C™ Authorized Independent Test Lab (ITL)

UL is Now an Authorized Independent Test Lab (ITL) for the USB-IF supporting USB Type-C™ Cable Assemblies, Connectors, PD E-Marker, PD Silicon and Power Bricks Testing

UL's Laboratory in Taiwan has recently been authorized as an Independent Test Lab (ITL) by USB Implementers Forum, Inc. (USB-IF) to test USB Type-C™ cable assemblies, connectors, PD E-Markers, PD Silicon as well as USB PD enabled Power Bricks. UL has previously been qualified for testing USB Types A & B cable assemblies and connectors.

USB is available on a wide range of computer peripherals, tablets, mobile phones and other devices for data and power transmission. The new USB Type-C™ interface uses a slim yet robust connector tailored to fit mobile device product designs, such as laptops, mobile phones and tablets but can also support larger electronic devices.

The differentiating features of USB Type-C™ include reversible plug orientation and cable direction, and support for scalable power and performance to future-proof different end applications. The PD E-Markers are the chips used in the USB Type-C™ cable assemblies to report the characteristics supported by a specific cable, including current-carrying capability and vendor identification.

Massive arrays of devices now rely on USB Type-C™ for connection, communication, and power. USB-IF certification and testing reassures brand owners, installers, retailers, and end-users about the reliability of the data transmission rate, the cable and connector design, and the proper implementation of Power Delivery. Now more than ever the industry needs the ability to distinguish a compliant USB cable, device or charger from a sub-standard one.

With a view to address these concerns, UL joins the efforts of USB-IF to help ensure product compliance associated with the USB Type-C™ connector through the testing and evaluation of the USB Type-C™ cable assemblies, connectors, PD chipsets, and Power Bricks for USB-IF certification.

Why Work with UL

- UL is an authorized test lab under USB-IF Compliance Program.
- We understand your need for quick project turnaround time in a cost efficient manner and will do everything possible to meet your schedule and requirements.
- Problem analysis and technical consultation from certified test engineers and technical experts to help overcome challenges on product development and production.
- UL's safety certification programs offer a robust portfolio of testing.



Please contact UL at customerservice.tw@ul.com for additional information about the UL service offering under the USB-IF Compliance Program.