

USB-IF Policy on Connectorless xHCI with Embedded Device(s)

Certification Testing

Effective Date: 02/01/2026

Objective

Define Compliance Test coverage for Connectorless xHCI (with Embedded Device(s)) **that cannot, by hardware design, be routed to an external USB connector.**

TID Requirements

Platforms integrating multiple host controllers shall receive a single TID for certification.

Certification Testing Requirements

- 1) All host controllers (with connectors) on the platform must undergo full compliance testing as required by the USB-IF certification program. Refer to the Test Matrix on the USB.org website.
- 2) Host Controllers with Embedded Device(s) **that cannot, by hardware design, be routed to an external USB connector** shall be tested as follows:

Items	Test
xHCI CV	Connectorless xHCI Interface Test
USB 3.2 CV	Ch9 on Embedded Device(s) Class Test (if Applicable) on Embedded Device(s)
Interoperability	Full functionality testing on the Embedded Device(s). On multiple host controller platforms, the device(s) shall also be tested concurrently with Interop devices connected to other host controllers (with connectors) on the platform.
Note: USB 3.2 Electrical, Link Test, BC 1.2, USB 2.0 Electrical	Not Required