

Keysight U7242A

USB 3.0 Transmitter and Receiver Test Fixture

Data Sheet

Key specifications:

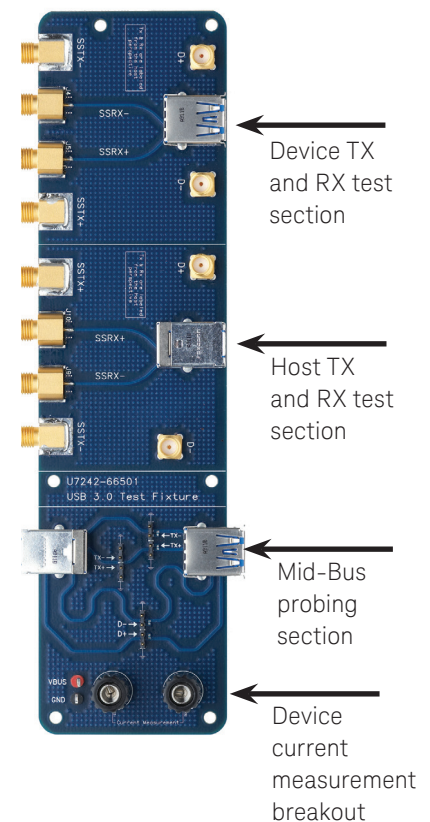
- Provides test point access for transmitter measurements
- Single-ended measurements as required by the USB 3.0 specification for transmitter and receiver validation and pre-compliance testing
- Differential measurements using active probes allow probing of active bus transactions for debug and verification testing
- USB 3.0 power probing features for easy measurement of transient and steady state power states

Description:

The Keysight Technologies, Inc. U7242A USB 3.0 test fixture will help simplify the USB 3.0 measurement process by providing access to the transmitter and receiver measurement points required for USB 3.0 pre-compliance testing. It has been designed for direct SMA connections for easy and accurate measurements with direct connections to the oscilloscope and J-Bert SMA connections. It also includes probing connections for InfiniiMax active differential probes for the characterization and testing of active bus signaling of USB 3.0 and USB 2.0 traffic.

The U7242A USB 3.0 superspeed electrical test fixture provides signal accessibility and probing for USB 3.0 devices, host and hub upstream and downstream ports.

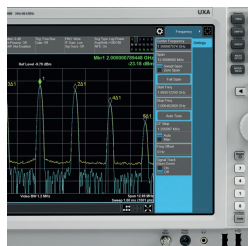
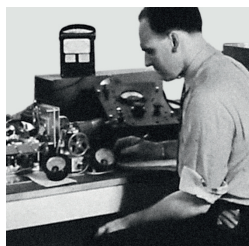
The U7242A USB 3.0 test fixtures enable transmitter and receiver pre-compliance and validation testing on USB 3.0 products that implement the standard superspeed connector types. The fixture SMA signal breakout connections provide convenient and high performance connection points for Keysight Infiniium Series oscilloscope transmitter measurements and Keysight J-BERT receiver jitter tolerance signal injection.



The fixture includes a mid-bus probing section to measure active bus traffic and bus states. It also includes current measurement connections for active power, suspend power and inrush current measurements.

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