Keysight Technologies
U7242A USB 3.0 Transmitter and Receiver Test Fixture
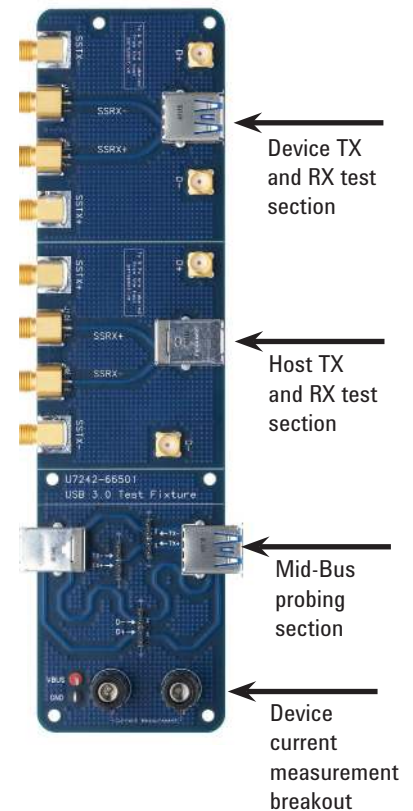
Data Sheet

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 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 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 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 Keysight Technologies, Inc.U7242A USB 3.0 test fixtures enable transmitter and receiver 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.

Device TX and RX test section

Host TX and RX test section

Mid-Bus probing section

Device current measurement breakout

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.

KEYSIGHT
TECHNOLOGIES

myKeysight

www.keysight.com/find/mykeysight
A personalized view into the information most relevant to you.

www.lxistandard.org
LAN eXtensions for Instruments puts the power of Ethernet and the Web inside your test systems. Keysight is a founding member of the LXI consortium.

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans
Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

Americas

Canada	(877) 894 4414
Brazil	55 11 3351 7010
Mexico	001 800 254 2440
United States	(800) 829 4444

Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Other AP Countries	(65) 6375 8100

Europe & Middle East

Austria	0800 001122
Belgium	0800 58580
Finland	0800 523252
France	0805 980333
Germany	0800 6270999
Ireland	1800 832700
Israel	1 809 343051
Italy	800 599100
Luxembourg	+32 800 58580
Netherlands	0800 0233200
Russia	8800 5009286
Spain	0800 000154
Sweden	0200 882255
Switzerland	0800 805353
	Opt. 1 (DE)
	Opt. 2 (FR)
	Opt. 3 (IT)
United Kingdom	0800 0260637

For other unlisted countries:
www.keysight.com/find/contactus
(BP-07-10-14)

KEYSIGHT
TECHNOLOGIES