ZX230BR USB 3.0 3.1 Test Board - Type B Receptacle Transmitter & Receiver Test Fixture breakout adapter **Product Name:**

Product Description: High Speed Inter-Chip HSIC USB 2.0 - SuperSpeed USB Inter-Chip USB 3.0 test board Transmitter

and Receiver test fixture (breakout Adapter) with the USB2.0 USB 3.0 Type B connector

Designed meeting electrical compliance testing; eye diagram, jitter (random, deterministic, total jitter, SCC profiles tests. Slew, Voltage levels and more).

Designed in 4 layer - 100 Ω differential trace impedance - electrical test measurement requirements.

Includes: USB3.0 **Type B** Receptacle with standard SMA connectors. Accessible 0.1" (2.54mm) pitch header, enabling "Power measurement" of the VBUS.

ZX230 Insertion loss - Type B	
Freq.	Log Mag (-dB)
100MHz	0.04775
1.25GHz	0.9045
2.5GHz	1.03775
5GHz	3.87325

Test Case: Using ZX230BR (type B Receptacle)

Network Analyzer: Agilent, Model E5071C 4 ch. 8.5GHz

Application: Electrical test, Clock Jitter measurement, eye diagram, characterization test,

Pre-certification full electrical test

Type B - High Speed Inter-Chip HSIC USB 2.0 - SuperSpeed USB Inter-Chip Specification 3.0 Plug Mates with:

SMA - Brass with Gold finish 5u" on RING. 35u" GOLD Plated at pin. Insulator: PTFE

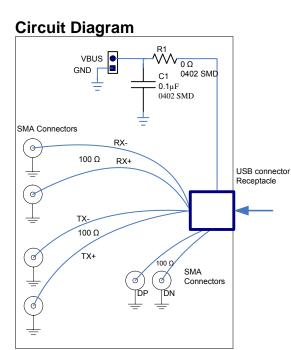
Header 0.1" center, 0.025" SQ with 0.23" (5.8mm) post height

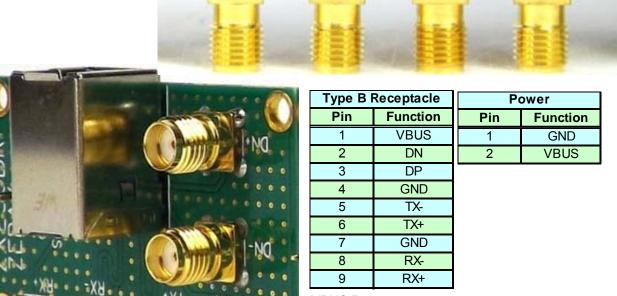
Test procedure: Compatible with Agilent, Tektronix and Lecroy automated test procedure

Pinouts: USB 2.0 USB 3.0 Type B Receptacle and the header pin assignments listed.

USB Bandwidth: Table below lists the standard USB USB 2.0 and USB 3.0 signal bandwidth.

USB
Low Speed USB 2.0 1.5Mbps
Full Speed USB 2.0 12Mbps
High Speed USB 2.0 480Mbps
SuperSpeed USB3.0 5Gbps





VBUS Power measurements: Use JVBUS for power measurements.

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SPECIFIED DIMENSIONS ARE INCHES (MM).

ASSEMBLY DRAWING

ITEM:ZX230BR USB 3.0 Test Board

DESCRIPTION: HSIC USB 2.0 SuperSpeed Inter-Chip USB 3.0 Test Board - Type A Receptacle breakout adapter Test Fixture

CHECKED: M. MARINA

DRAWN: REVISSION: 1.0 **SLAVIK**

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nformation furnished is believed to be accurate and reliable. However, Zebax Technologies assumes no responsibility for the consequences of use of such information or for any infringement of patents or other rights of third parties that may result from its use

1.00"(25.4mm)

1.20"(30.5mm

SHEET: 1 OF 1