

**Product Name:** ZX230AR USB 3.0 Test Board – Type A Receptacle Transmitter & Receiver Test Fixture

**Product Description:** High Speed Inter-Chip HSIC USB 2.0 SuperSpeed USB 3.0 test board Transmitter and Receiver test fixture ( breakout Adapter) with USB3.0 Type A Receptacle ( socket ) 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 meeting USB 3.0 test board electrical test measurement requirements.

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

**Application:** Electrical test, Clock Jitter measurement, eye diagram, characterization test, Pre-certification full electrical test

**Mates with :** **Type A - USB 3.0 Plug**  
**SMA** Female onboard, mates with standard male SMA cable assembly  
**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

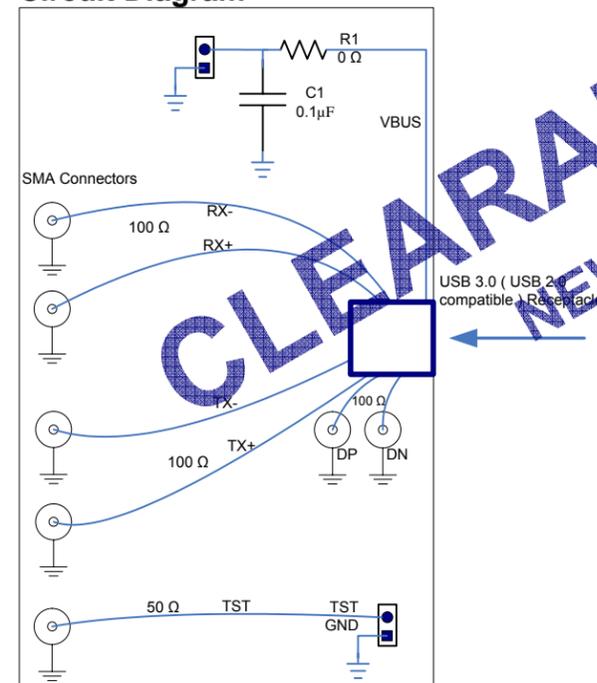
**Pinouts:** USB 3.0 Type A Receptacle and the header pin assignments listed below

Type A Receptacle	
Pin	Function
1	VBUS
2	DN
3	DP
4	GND
5	RX-
6	RX+
7	GND
8	TX-
9	TX+

Test	
Pin	Function
1	GND
2	TST

Power	
Pin	Function
1	GND
2	VBUS

**Circuit Diagram**

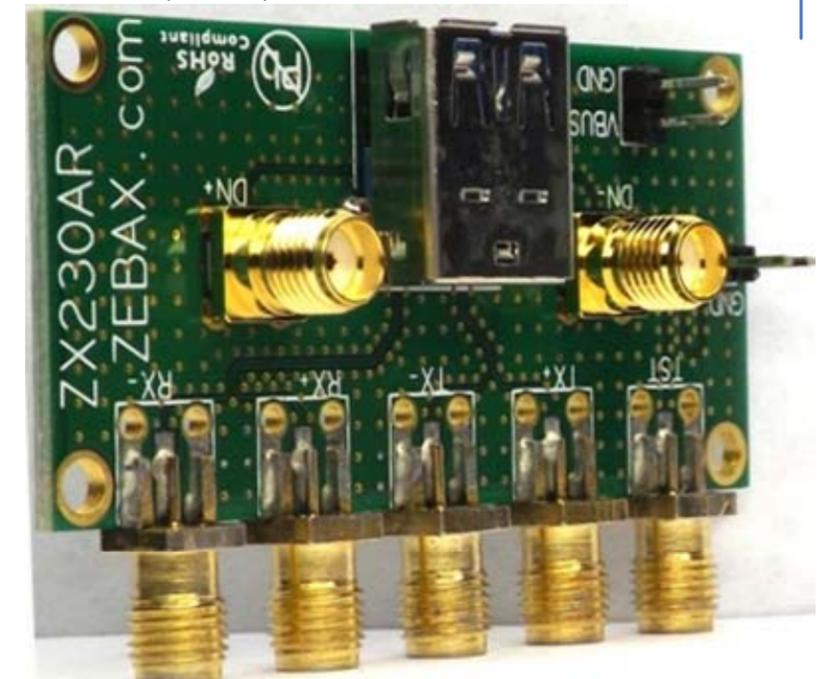
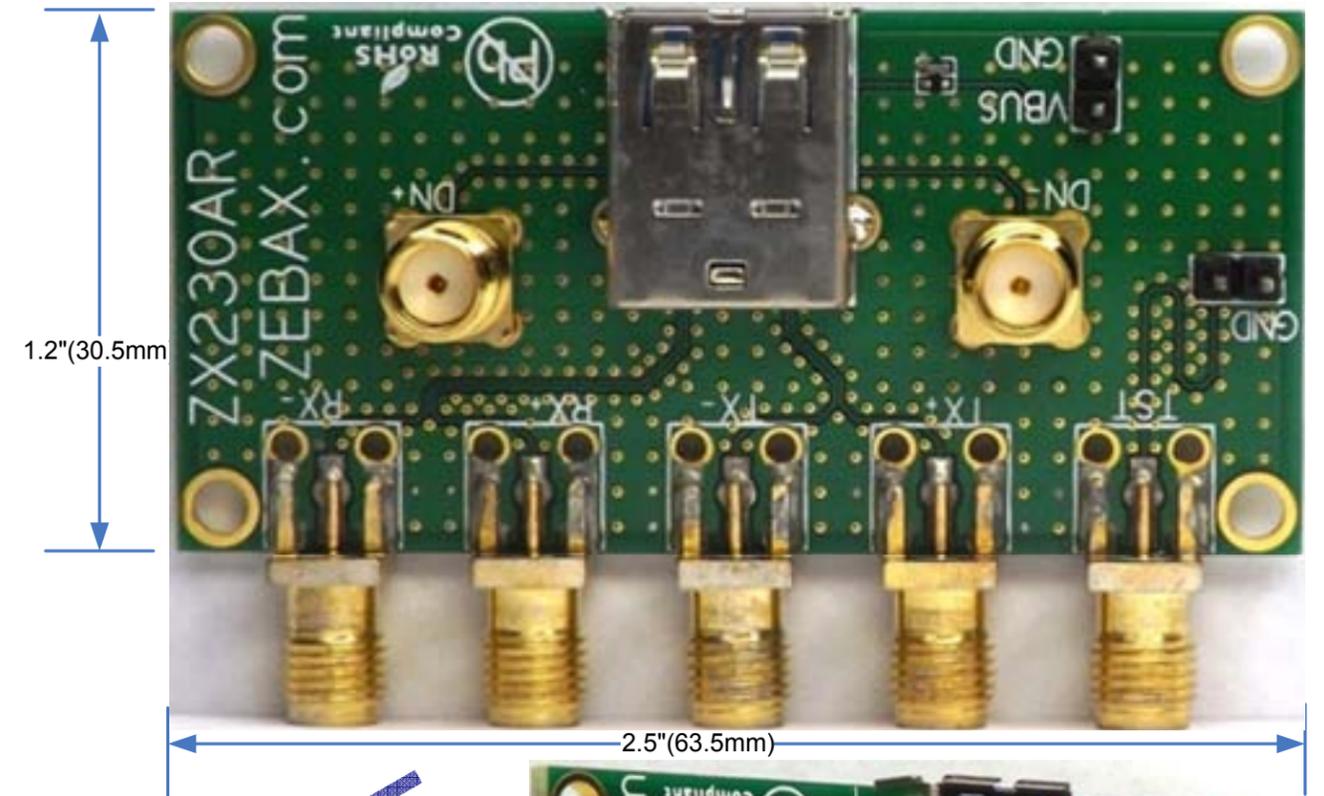


VBUS Power measurements:  
Use Jvbus for power measurements.

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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM:ZX230AR USB 3.0 Test Board	
DESCRIPTION: USB 3.0 Test Board – Transmitter Receiver Type A Receptacle breakout adapter test fixture		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1