

**Product Name:** ZX230mABR USB 3.0 Test Board - Type micro AB Receptacle (Socket) 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 micro USB3.0 Type AB 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 HSIC USB 3.0 test board electrical test measurement requirements.

Includes : Micro USB3.0 **Type AB** 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 :** **Micro Type A, B, AB - HSIC 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

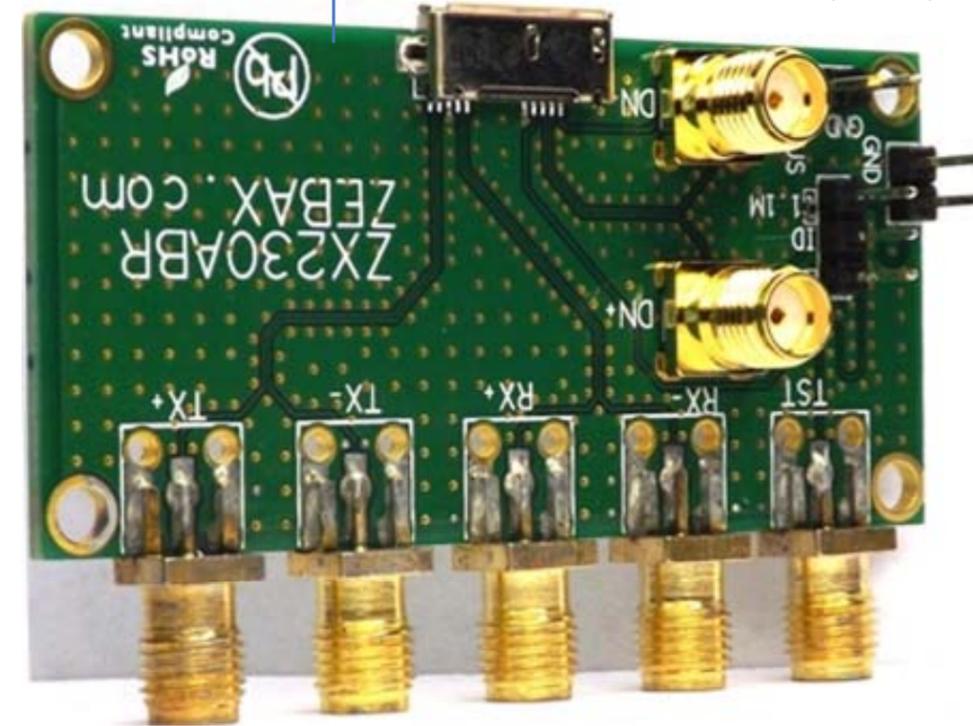
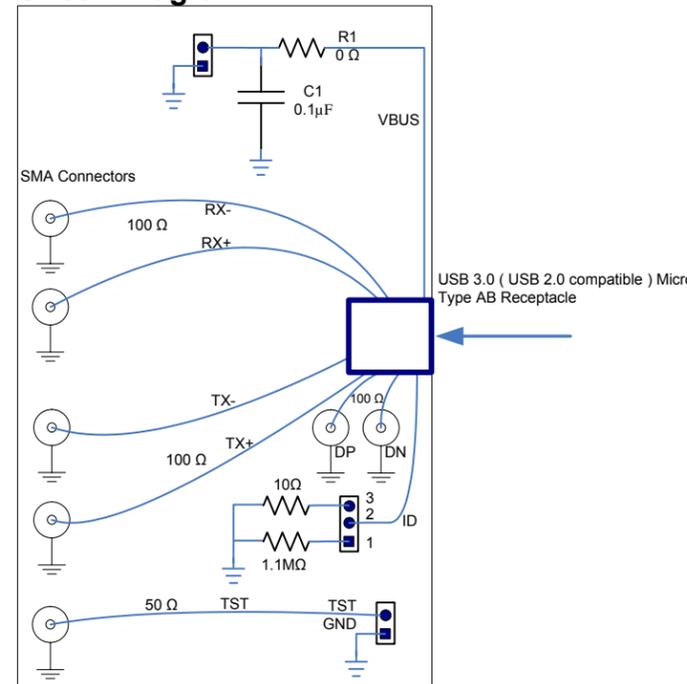
**Test procedure:** Compatible with Agilent, Tektronix and Lecroy automated test procedure

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

Type micro AB Receptacle		Test	
Pin	Function	Pin	Function
1	VBUS	1	GND
2	DN	2	TST
3	DP	<b>Power</b>	
4	ID		
4	GND	<b>Pin</b>	<b>Function</b>
5	RX-	1	GND
6	RX+	2	VBUS
7	GND	<b>ID</b>	
8	TX-		
9	TX+		
		<b>Pin</b>	<b>Function</b>
		1	10 Ω to GND,
		2	ID
		3	1.1M Ω to GND

VBUS Power measurements:  
Use Jvbus for power measurements.

**Circuit Diagram**



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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX230mABR Test Board	
DESCRIPTION: USB 3.0 Test Board – Transmitter Receiver Type mAB Receptacle breakout adapter Test Fixture		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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