

ZX230CP USB type C TPA-P TDR electrical test board breakout adapter for USB 3.1 electrical compliance cont's **Product Name:**

S-Parameter, **Insertion loss**: The following insertion loss measurements were obtained using Agilent NA with the following test case:

- 1- ZX230CP mating with ZX230CR at USB type C connector.
- 2- NT interfacing with the supplied SMA 8" cable assembly.

	Signal Pairs	Insertion Loss at USB Gen1 Gne2 Nyquist frequencies (dB)					
		0.626GHz	1.25GHz	2.5GHz	5.0GHz (Gen2)	7.5Hz	
	RX1-P/N	-0.70	-0.88	-2.52	-4.63	-5.61	
	RX2-P/N	-0.60	-1.25	-1.17	-4.23	-3.70	
	TX1-P/N	-0.80	-1.25	-1.20	-4.19	-4.34	
	TX2-P/N	-1.10	-0.87	-2.63	-4.33	-5.85	
	DP/DN	-1.30	-1.44	-4.03	-6.65	-4.20	

All values are dB

S-Parameter files: ZX230CX-CR-CP – It is .7z file. It consists of 5 .s4p files.

USB Type C Plug, and J2 signal assignments listed below **Pinouts:**

USB Type C (Plug)

Labeled Coax	Connector		Labeled Coax
Labeled Coax	Тор	Bottom	Labeled Coax
J2.6 GND	A1	B12	J2.6 GND
TX1p	A2	B11	RX1p
TX1n	A3	B10	RX1n
J2.6 VBUS	A4	B9	J2.6 VBUS
10.0.00			10 / 00110
J2.2 CC1	A5	B8	J2.4 SBU2
	10		
DP	A6		
DN	A7		
DIN	A		
J2.3 SBU1	A8	B5	J2.5 CC2-VCONN
J2.6 VBUS	A9	B4	J2.6 VBUS
RX2n	A10	B3	TX2n
RX2p	A11	B2	TX2p
J2.6 GND	A12	B1	J2.6 GND

Pin	Function		
1	VBUS		
2	CC1		
3	SBU1		
4	SBU2		
5	CC2-VCONN		
6	GND		

J2

Complete set of USB 8" (20cm) long coax cable assemblies, SMA type Jack is shown - Part Number ZX00010308R-US Note: SMA end part of the cables are shown





В

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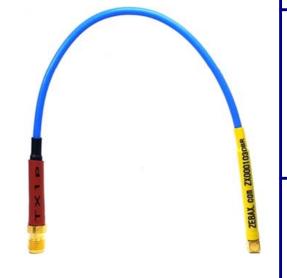
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ZX230CR ZX230CP

Test network: ZX230CP/CR Plug and Receptacle via the supplied SMA cable assembly

S12: TX1+ / TX2+ / RX1+ / RX2+ / DP S34: TX1- / TX2- / RX1- / RX2- / DN

SMA Cable Assembly is semi-flexible coax cable with maximum bends of 35mm. Please do not over exert beyond the cable's tolerance.



D

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SPECIFIED DIMENSIONS ARE INCHES (MM).

ASSEMBLY DRAWING

ITEM: ZX230CP

DESCRIPTION: USB 3.1 Type C Plug TPA-P electrical test board breakout adapter Gen1 Gen2 10GHz

CHECKED: M. MARINA

DRAWN: REVISSION: 1.0 **SLAVIK**

SHEET: 2 OF 2