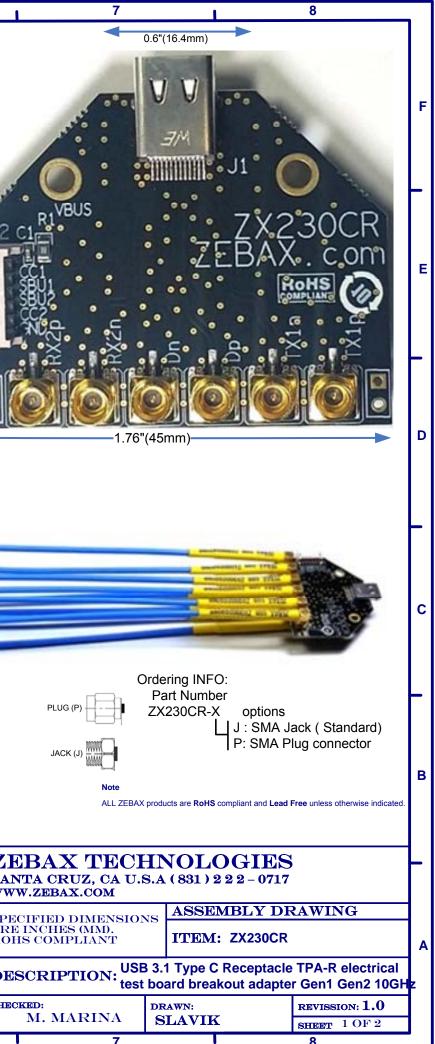
	1		2		3		4		5	1	6
	Product Name:	ZX230CR I	JSB type C TP	A-R TDR ele	ctrical test boa	rd breakout	adapter for USB	3.1 ele	ectrical compliance		
F	Product Description:	connector re eye diagram SuperSpeed	eceptacle. ZX230 and full USB 3.2	ICR TPA USB 1 electrical cor) SuperSpeec	type C electrica npliance test. ZX d Gen2 (5GHz)	I test board ta (230CP is de and future 20	ting USB Type C ailored for signal jit signed supporting OGbps (10GHz)	tter,	Circuit Diagram	VBUS (+5VDC) R1 0 Ω	-0.5"(13.5mm)
-		and differen test measur	tial signal measu ements.	irement - cloc	k jitter, skew, ey	e diagram ris	for proper single e e/fall time and elec	ctrical		C1 0.1μF J1	m) -1.45"(36.7r
E		Plug or Jack see ordering purchased, characterize scope using	c connectors inter g Information. Ca see " <i>Package In</i> ed using the supp P7313SMA diffe	rfacing directly able replacem cludes ". ZX23 blied 8" (20cm) erential probes	/ to scope probe ent or longer 16 30CR TPA-R TD) long cable asse ; requires -P (SN	or other cab " (40cm) ca R USB electi mblies. Tekt //A Plug cabl	assemblies with S le assemblies, Plea ble assemblies can rical test board is ronix DPO71604C e assembly). Keys probe leads N544	ase n be ; sight	RX2p RX2n TX2p TX2n RX10 RX1n ZX230CR USB Type C So R2, R3 connecting connector shield to signal C	· · · · · · · · · · · · · · · · · · ·	nm)
D		GND, CC1,		SBU2 signals	. The cable asse	mbly include	III access to VBUS s pin socket matin			73-230c	
_			ical compliance e ended & differ			surement of	Clock Jitter,		LUBS 200		
с	Supported bandwidth		oporting SuperS I future 20Gbps	•	· / /	•	· · ·			TA LO	
	SMA co		nates with stand		-	-	ordering informa 0.23" (5.83mm				
в	Test procedure: ZXAN provi		st-Procedure ap st procedure.	oplication not	e				rameter, Insertion Io Page 2	SS:	
	Test Record: coming	soon		Item 1	ZX230CR	1	Description USB Type C TPA-				A Jack.
				3 4	ZX00010308 or ZX00020308 ZXJS1173-23 ZX00WT-09N s: 1- Supplied extension	R-US 1 30C 1 ₩ 0	or SMA Plug – Ple	ase see accessi ue 5/16'		idie assendules, SM	A JACK.
Α	Notice ALL ZEBAX TECHNOLOGIES DESIGN SPEC								NO WARRANTIES, EXPRESSED,		ROP DE
	IMPLIED, STATUTORY, OR OTHERWISE WI Information furnished is believed to be accural Specifications mentioned in this publication are	te and reliable. Howeve	r, Zebax Technologies assume	es no responsibility for the	consequences of use of such	n information or for any	infringement of patents or other right	ights of third p	parties that may result from its use.	_	CHEC



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Product Name: ZX230CR USB type C TPA-R TDR test breakout adapter board for USB 3.1 electrical compliance Cont's

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)						
Signal Pairs	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:

E

D

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

USB Type C Socket (receptacle), and J2 signal assignments listed below **Pinouts:**

USB Type C Socket (Receptacle)

	Conn	nector	Labeled Coax	
	Тор	Bottom		
J2.6 GND	A1	B12	J2.6 GND	
TX1p	A2	B11	RX1p	
TX1n	A3	B10	RX1n	
J2.6 VBUS	A4	B9	J2.6 VBUS	
J2.2 CC1	A5	B8	J2.4 SBU2	
DD	A.C.	D7	DN	
DP	A0	D/	DN	
DN	۸7	P6	DP	
DN	AI	DU	UF	
.12.3 SBU1	48	B5	J2.5 CC2	
02.0 0001	70	55	02.0 002	
J2.6 VBUS	A9	B4	J2.6 VBUS	
RX2n	A10	B3	TX2n	
RX2p	A11	B2	TX2p	
J2.6 GND	A12	B1	J2.6 GND	
	TX1p TX1n J2.6 VBUS J2.2 CC1 DP J2.3 SBU1 J2.6 VBUS	Labeled CoaxTopJ2.6 GNDA1TX1pA2TX1nA3J2.6 VBUSA4J2.2 CC1A5DPA6J2.3 SBU1A8J2.6 VBUSA9RX2nA10RX2pA11	Top Bottom J2.6 GND A1 B12 TX1p A2 B11 TX1p A2 B11 TX1n A3 B10 J2.6 VBUS A4 B9 J2.6 VBUS A4 B9 J2.2 CC1 A5 B8 DP A6 B7 J2.3 SBU1 A8 B5 J2.6 VBUS A9 B4 RX2n A10 B3 RX2p A11 B2	

J2.x signals are accessible on J2 connector

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J2					
Pin	Function				
1	VBUS				
2	CC1				
3	SBU1				
4	SBU2				
5	CC2				
6	GND				

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









cable's tolerance.

