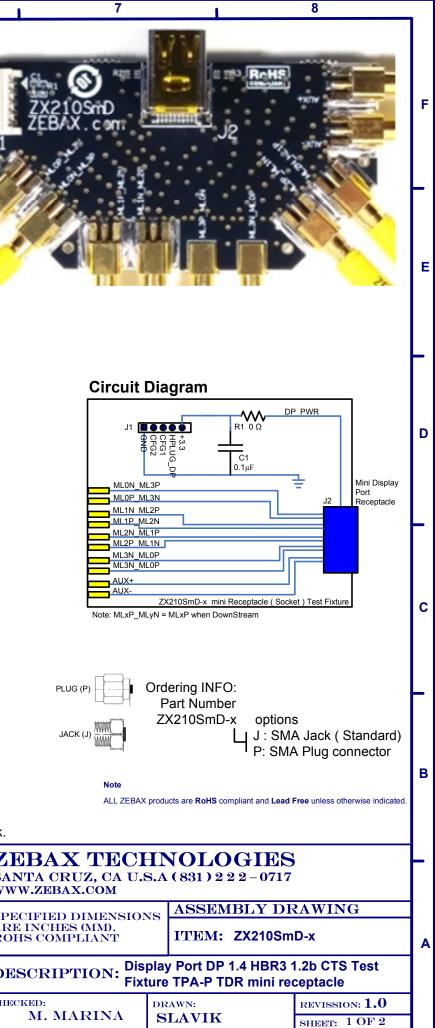
	1	1	2		3		4		5		6	
ſ	Product Name:	ZX210Sm	D-x Display Po	t, DP 1.4 HBF	R3 , CTS 1.2b	Test Fixture T	PA-R TDR	mini receptac	le			
-	Product Description	n:										3
	Display Port , DP, applications requir compliance test cc (2.7GHz) , HBR2 ( meeting DP test fix	1.4 HBR3 electr ing electrical co overing 1.62GHz 5.4GHz), HBR3	ompliance test , me z, 2.7GHz, 5.4GHz ( 8.1GHz) as well	asurements & si and 8.1GHz sigr as the Reduced	gnal analysis for s nal bandwidth. ZX Bit Rate/Low Bit F	signal jitter, eyé c 210SmD-x DP Te Rate (1.62GHz ) s	iagram and fu	III DP 1.4 cts 1.2 oports full High E	2 <b>b</b> electrical 3it Rate, HBR			J1
	<ul> <li>7X210SmD-x</li> </ul>	supports Display	y Port's Standard r	ecentacle conne	ctor mating with r	alua						
		•••••••	sing +3.3V, HOTP	•	• • •	•						<u> </u>
			d with cable assem		•							-
E			improved signal int		•			S-Paramete	er, Insertion loss:			
		-4.5dB @ 8.1G		oginy and broot				See Page 2				
		-	flexible cable asse	mblies with SMA	Plug or Jack con	nectors		J				
	•	, .	Il compliance for:		T lug of back com							
		••	it Rate ( 2.7Gbps /	lane )								
٦		-	it Rate 2 ( 5.4Gbp									
		•	it Rate 3 (8.1Gbp	,								
D	Test Fixture su	upports full DP 1	1.4 standard operat	ing bandwidth of	32.4GHz with 8.1	IGHz per lane.				swys		
	ZX210SmD-x inclu assemblies. Cable	udes 8" (20cm) l replacement o	ong semi-flexible c r longer 16" ( 40cm	able assemblies ı ) cable assemb	with SMA Plug or lies can be purcha	<sup>·</sup> Jack connectors ased, see " <b>Packa</b>	interfacing di <b>ige Includes</b> "	irectly to scope p	probe or other cable			
	The ZX210SmD-x cable assemblies t N2800A probes +	to scope probes	. Tektronix DPO71	sing the supplied 604C scope usir	d 8" (20cm) long c ig P7313SMA diff	able assemblies erential probes.	along with an Keysight DS/	additional 8" Ion 164A Infiniium s	g extension long scope using			
	Annelisations											
с	Application: Display Port, DP, 1.4 HBR3 CTS 1.2b electrical compliance test, Clock Jitter, eye diagram, single ended & differential ended signaling electrical measurement.											
	Supported resolution	ons: HF	3R3, 8K UHDTV ( <sup>-</sup>	7680x4320) @ 6	0 Hz 4 2 0 subsan	nolina						
┥												
	SMA	connectors mate	P, receptacle (sock es with standard SI 025" (0.63mm) SC	VA cable assemi				st header length	0.23" ( 5.83mm )			
В												
	Test procedure:		.4-Test-Procedure	application note	-	age includes:	0	Description				
	rest procedure.		play Port, DP, test	••	ltem	Part number ZX210SmD-2		Description	DP , HBR3 test fixture	TDA D recentar		
				procedurer	2	ZX00010308			of DP 8" (20cm) long			A Jack.
					С	or ZX00020308			Please see ordering in		, -	
1	otsp!				3	ZXJS1173-0			y – DP to ZX202DP int			
					4	ZXJS1173-D ZX200L508-			y for DP interface cabl ermination board	e assembly, No	te 1	SAN' WWW
					6	ZX000x0316			DP labeled 16" (40cm)	" long coax cab	le assemblie	s. <sub>SPEC</sub>
					7	ZX00WT9NN	1 0		Torque 5/16" (8mm) 9	-		AREI
A	Notice				Notes:	1- Supplied extension	on wire assembly		e with 3 <sup>rd</sup> party modules.			ROHS
			INGS PURI ICATIONS AND		GETHER AND SEDADATE			" ZERAX MAKES NO MA	RRANTIES EXPRESSED			DES
	ALL ZEBAX TECHNOLOGIES DESIGN SPECIFICATIONS, DRAWINGS, PUBLICATIONS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NO INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.											
	Information furnished is believed to be ac Specifications mentioned in this publication											CHECK
L			2		2		4		5			<u> </u>



	1	2	3	4	5	6						
	Product Name: ZX	≺210SmD-x Display Port, DF	P 1.4 HBR3 , CTS 1.2b Tes	t Fixture TPA-R TDR mini re	ceptacle Cont's							
F	Test Record: Test record for the ZX210SmD-J TPA-P TDR mini Display Port test fixture											
	Z۷	(TR-ZX210SmD-J										
-	Insertion loss: Very	low insertion loss typical -5.	4dB at 8.1GHz									
		Insertion loss table										
E		Signal Pairs	sertion Loss , IL , for Display Port test Fixture pa			Fully assem						
		LXN-LXP AUXN-AUXP -2.00 -3.00 -2.		-9.20 -10.90								
_		All values are dB The listed values are for fixture pair configuration, S LxN : L0N, L1N, L2N, L3N LxP : L0P, L1P, L2P, L3P AUXN-AUXP: AUXP, AUXN	S12 s-paramets			<b>*</b> 6						
D	S-Parameter files: ⊤⊦	ne S-Parameter was obtained usi	ng mated ZX210mD-J and ZX210	SmD-J Display Port Test Fixture a	as shown							
		ease download the S-Parameter	files, .s2p files for all the 10 high	speed signals :	<u> </u>							
	S-Parameter files: above. The S-Parameter was obtained using mated ZX210mD-J and ZX210SmD-J Display Port Test Fixture as shown Please download the S-Parameter files, .s2p files for all the 10 high speed signals : ZX210mD-ZX210SmD-s-parameter Display Port Connector type (Plug) Pin Labeled Ceax Connector type (mini Plug - mDP) Pin Labeled Ceax Connector type (mini Plug - mDP) Pin Labeled Ceax Connector type (mini Plug - mDP) Pin Labeled Ceax Connector type (mini Plug - mDP)											
	Display Port Connector type (Plug)	Diarlas Part Concepta ha										
с	Pin Labeled Coax Connector Front Top Bottom	Pin Labeled Coa	Connector     Connector type       Top     Bottom       (mini Plug - mDP)	Pin Function								
	1 T3_N / R0_P 1 2 2 2 2	ML3N_ML0P 1 GND 2 J1.2 HPD ML0D_ML0D_ 2 T0 P ( P0 A)	2 HPD	DP_PWR (3.3V) 2 HPD								
	3         T3_P / R0_N         3           4         T2_N / R1_P         4           5         5         5	ML3P_ML0N         3         T0_P / R3_N           ML2N_ML1P         4         J1.3 CFG1           GND         5         T0_N / R3_P	4 CONFIGT	3 CFG1 4 CFG2 5 GND		Complete set of DP 8" (20c cable assemblies, SMA type						
-	6         T2_P / R1_N         6           7         T1_N / R2_P         7	ML2P_ML1N         6         J1.4 CFG2           ML1N_ML2P         7	6 CONFIG2			Number ZX00010308-DP						
	8         8           9         T1_P / R2_N         9	GND         8           ML1P_ML2N         9         T1_P / R2_N										
	10         T0_N / R3_P         10           11         11         11	ML0N_ML3P         10         T3_P / R0_N           GND         11         T1_N / R2_P	T1 ML1N_ML2P									
в	12         T0_P / R3_N         12           13         J1.3 CFG1         13	ML0P_ML3N         12         T3_N / R0_P           CONFIG1         13	13 GND									
	14         J1.4 CFG2         14           15         AUX+         15	CONFIG2         14           AUX+         15         T2_P / T1_N										
	16         16           17         AUX-         17           18         J1.2 HPD         18	GND         16         AUX+           AUX-         17         T2_N / T1_P           HPD         18         AUX-			Vae Vae Tos	. a a a b a a a						
	10         31.2 HPD         10           19         19         19           20         J1.1 VS         10	HPD         18         AUX-           GND         19           DP_PWR (3.3V)         20         J1.1 VS	18         AUX-           19         GND           20         DP PWR		10A8.							
Г	MLxN / MLyP: MLxN when Upstream(UFP) MLyP when Downstream	MLxN / MLyP: MLxN when			EDID interface cable	SAI						
	ZX210D, ZX210mD are UFP, Upstream Facing ZX210SD, ZX210SmD are DFP, DownStream F	Port ZX210D, ZX210mD are UFI			assembly, ZXJS1173-							
	HPD: Hot Plug Detect	HPD: Hot Plug Detect			ZXUSTITTHD Zebax.co	A SPF ARI ROI						
A	Notice											
				FERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MA GEMENT, MERCHANTABILITY, AND FITNESS FOR A F		DE						
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