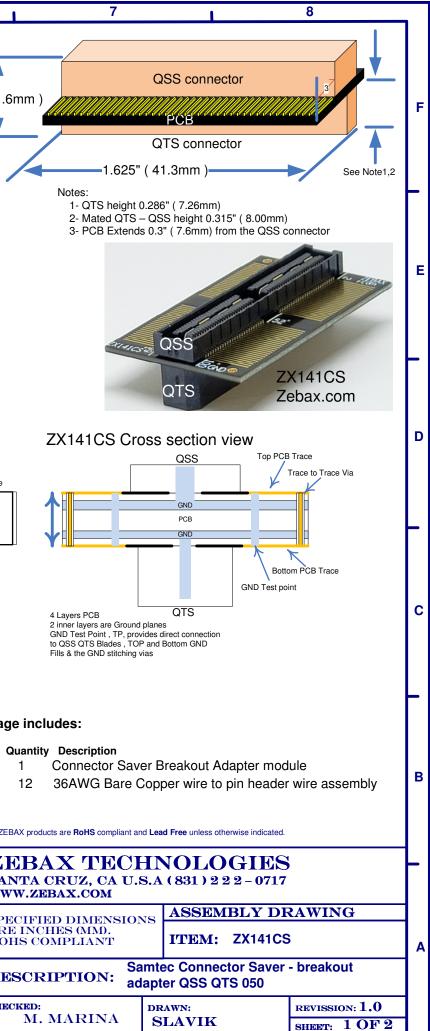
	1		2	1	3	1	4	1	5	1	6	1
ſ								- 	4/2			_
Product Name:			ZX141CS Samtec Connector Saver - Breakout Adapter QSS – QTS 050 (DP -032) – Page 1/2									
F Product Description:			50pins x 2 rows, 100 pins Samtec Connector Saver - breakout adapter. Offering <b>both</b> QSS and QTS connectors on connector saver module with debug 0.3" (11 access point providing full feature breakout adapter.									(11.6n
			1- Each QSS signal is routed to 2- All signals have 0.3" (7.6mr 3- All traces have 10mils (0.26 4- All traces are designed 50 C	n) trace length on imm ) width, enabl	both top and bot ing soldering of a	tom layers of the	PCB.			inector.		
			<ul><li>5- Four, 4, layers PCB design,</li><li>6- Two accessible GND test pc</li><li>7- Offering Extended height QT</li></ul>	inner layers are G bints, The test poin IS connector ( 0.26	ND planes with o ts are connected 86" – 7.26mm ) ,	to module GND providing interfa	) planes.		nts.			
E			8- Mated QSS-QTS (Host with 9- Ease of interface with single 10- User may relocate any QTS 11- Fully compatible with Single	channel and diffe S signal by cutting	rential scope pro trace before the	bes. via and solder to				s: SOCD		
_			<ul> <li>12- Mates with any height and</li> <li>13 – Accessible GND test point</li> <li>14- The module is shipped with</li> </ul>	formfactor QSS Q t with direct interfa	TS connector se ice to the integra	ries such as -DP I metal plane ( G	P, -RA, -EM, -DP-R iND blade)			o, oqob .		
D	Electrical:	Trace im Operating	loss -2dB @8GHz npedance: 50 Ω ng Temperature: -55 ℃ to +125 ℃					ZX141CS - Simplified Circuit Diagram				
		Trace to Trace Le	dth: 10mils ( 0.26mm ) Trace Spacing: 15mils ( 0.381m ngth: 0.3" ( 7.6mm ) Trace via: 30mils (0.8mm) from							QSS	ΤΡ 50 Ω	Trace
	Application:	36AWG I	arance: 8mm from Host PCB ( Bare copper wire: 0.014mm dia turing test and re-use, bringup, t	ameter - See pack	0	details			PCB 50 Ω Trace		50 Ω	Trace
C	Mates with :	Any heig	ht and formfactor of Samtec QT ble with – differential Pair (DP),	rs050 QSS050 Q	SS032(DP) QTS	. ,	•	se immunity.		QTS 50 Ω impedance t, has direct connection to Q s , the TOP & Bottom GND f		
	Pitch:	Samtec (	QSS QTS connector 0.6350mm	(0.050") High Spe	eed connector				Stitering vides			
			Please see Page 2 for m	nore details.			ISO	<b>mpliance:</b> 2001 certified Is - Lead Free			X141CS pa	nckage Qu
в							UL E ELV Euro	opean Union Dir	ive(Directive 2000 ective(203/11/EC	Z 0/EC) )	X141CS X00BC2PH	11 Note
							RoH	Is Directive 201 EE Directive ( 20		JU3		ALL ZEBA
							Cert	ificate of Compl	iance for Radioact iance for Asbestos iance for Ozone D	6	ces, ODS	SAN WWV SPEC
A	Notice						Cert	tificate REACH S				ROH
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	Product Name: ZX1	141CS Samtec Connector Sav	ver - Breakout Adapter Q	3S – QTS 050 ( DP -03	2 ) – Page 2/2				
	Access: For signal me For signal relo	ocation: 1- Cut the trace to the	Jse 36AWG solid copper wire with connecting via ( 30 mils [ 0.8mm copper wire, make the required c	] before end of trace )			°51		
Е	new 1- Utilizing sin 2-Enabling de	41CS is designed for purpose of test approach in usage of breakout adapt ngle or differential scope probe. esign changes, by re-assignment of an d to new location by jumper wires.	ers by :		pe cut				
	Scope Probe wire Installa	tion:					ZX141CS Top		
		mended to keep the probe wire length							
	<ul> <li>2- In order to avoid ground loop problems, please use the shortest Ground probe wire interfacing to the nearest GND reference. ZX141CS provides two GND test points for reference.</li> <li>3- Both Keysight as well as Tektronix offer variety of single ended as well as differential probes along with their accessories, below are few probes from each vendor:</li> </ul>								
D	<ul> <li>a) Keysight differential probe or similar N2795A, N2796A, 1168V, 1134B along with E2677B differential Solder-in probe, N5426A ZIF Tip, N2884A Fine Wire ZIF Tip and more – See the figure "probe head accessories".</li> <li>b) Tektronix offers several single-ended as well as differential probes such as : P6245, P6248, P6247, P6246 or any of TDP7000 series and more</li> <li>4- Please follow your vendor's guideline in installation of probe wires &amp; accessories.</li> </ul>								
– c	Signal Access & re-route: Any signal re- on top or botto to bottom laye 30mils from en	gnal ( trace )	MX0106A Diff. Solder-In N2839A Diff. Browser	N5380B SMA					
	ZX141CS mod blade. Please	ground power	MX0105A Diff. SMA	-					
11		ZX141CS – portion of	Top View						
в		Samtec Connector	Trace to Trace via PCB Trace PCB Trace				Note ALL ZEB/		
			30 mils (0.8mm)				ZE		
Α			e visible on Zebax Connector Saver breakout 30 mils ( 0.8mm ) from end of the trace as				SAN WWW SPEC ARE ROH		
			(TOOFTHED AND OFDADATELY #1077700 200 -				DES		
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