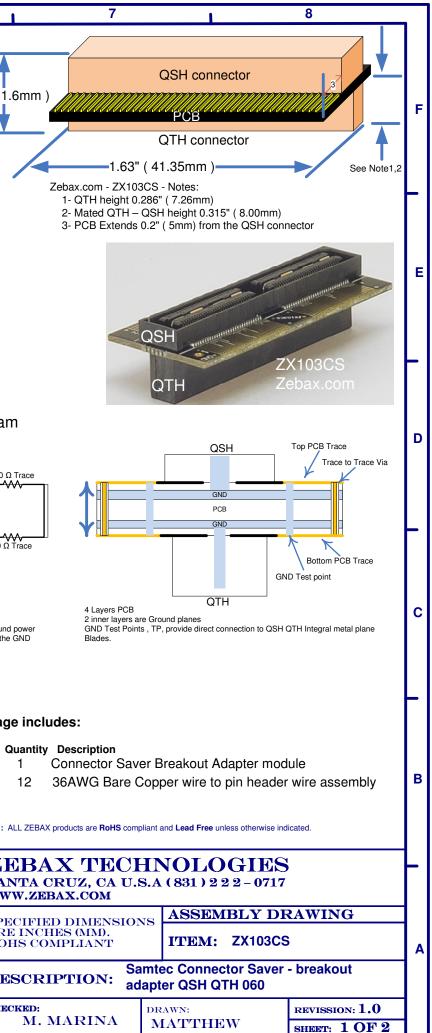
	1		2		3		4	5	1		6	
	Product Name	e: Z	X103CS Samtec	Connector Save	r - Breakout Ada	apter QSH – Q	TH 060 – Page	e 1 of 2			0.2	1 " (11.6
F	Product Desc	ription:	60pins x 2 rows, 120 connector saver modu	pins Samtec Connec ule with debug access	tor Saver - breakout s point, providing full	adapter. Offering I feature breakout a	ooth QSH and Q dapter for purpos	TH Q Strip High Spece e of test and measu	ed Ground Plan rement.	e connectors c	ט.ט אר	
			1- Each QSH signal is 2- All signals have 0.2	20" (5mm) trace acce	ess on both top and b	oottom layers of the	PCB.			nector.		
			3- All traces have 10r4- All traces are 50 Or5- Four layers PCB de	hms impedance contr	olled.	of any probe wires	(36AWG solid co	opper – See package	e includes)			
E			6- Two accessible GN 7- Offering Extended I 8- Mated QSH-QTH (ID test points, The test height QTH connecto	st points are connect r (0.286" – 7.26mm), providing interfa			nnectors GND b	lades.		
			 9- Ease of interface w 10- User may relocate 11- Fully compatible w 	rith single channel and e any QSH / QTH con	d differential scope p nector signal by cutt	robes, utilizing Sol ing trace before th	e via and solder to	o new location or ext	ernal test equip		DP	
_			12- Mates with any he 13- The module is shi	eight and form factor (QSH QTH connector	series such as -D	-DP, -RA, -EM cc	onfigurations.				
	Electrical:		oss > -2dB @8GHz edance: 50 Ω						7)(10000	0		
2		Operating Trace widt	Temperature: -55℃ to h: 10mils (0.254mm))					ZX103CS	– Simplified		agram
		Trace Leng	race Spacing: 10mils (gth: 0.2" (5mm) ace via: 30mils (0.8mi		race				50 Ω Trace	e TP	ТР	P 50 Ω T
_			ance: 8.0mm from Ho are copper wire: 0.042			r details - <mark>ZX00B</mark> C	2PH1		PCB 50 Ω Trace		<u>├</u> ┘	
	Application:	Manufactu	ring test and re-use, b	ringup, testing , debu	gging, test & measu	rement, production	test environment	t	50 12 Hade			50 12 11
2	Mates with :	QSH-QTH	TH060 QSH060 QSH 120, QSH-QTH60(DP) e with – differential Pai) QSH-QTH080(DP), 3	and HQCD, HQDP c	able assemblies.			TP – The GND Te	Q rolled 50 Ω impedance st Points , have direct co r layers , the TOP & Bo		
	Pitch:	0.50mm (0	.0197") High Speed c	connector								
	Access: For signal meas	surements:						ompliance:			7810000	
			: Use 36AWG solid co	opper wire with pin he	ader, see ZX00BC2F	PH1	Ro	O2001 certified oHs - Lead Free J RoHS2			ZX103CS pa	Qu
3	2- Using	he trace to th g 36AWG so	ne connecting via(60 i lid copper wire, make t S – portion of Top Vie	the required connection		ess & re-route, Pa	JE 2 EL EL	L E111594 documen LV- Vehicle Directive uropean Union Direc	e(Directive 2000 tive(203/11/EC	0/EC) ;)	ZX103CS ZX00BC2PH	11
	(Ro	alogen Free per IEC- oHs Directive 2011/6 'EEE Directive (2012	5/EU	003		Note : ALI
							Ce	ertificate of Compliar ertificate of Compliar	nce for Radioact		S	ZE SAN' WWW
Δ							Ce Ce	ertificate of Complianertificate of Complianertificate of Complianertificate REACH SV ertificate of Complianertificate of Complianer	nce for Ozone D HC	epleting Subst	tances, ODS	
			ATIONS, DRAWINGS, PUBLICATIO ESPECT TO THE MATERIALS, AND				ROVIDED "AS IS." ZEBAX N	MAKES NO WARRANTIES, EXPF				DES
	Information furnished is believed	d to be accurate and	I reliable. However, Zebax Technolog ect to change without notice. This put	gies assumes no responsibility for th	ne consequences of use of such in	formation or for any infringeme	ent of patents or other rights of	of third parties that may result fror	n its use.			CHECH
			0		2		4	5	i		6	<u> </u>



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	1	2	3		4		5	 6
$\left \right $	Product Name:	ZX103CS Samtec Conn	ector Saver - Breakout A	dapter Q	SH – QTH 060 – I	Page 2 of 2		60 1
F	Typical Application:		ose of test and measurement at		tor's bandwidth. It pro	ovides		Treet
	1- Utilizi	ng single or differential scope pr	test and measurements by offer obe.	ing: by :				
		ing design changes, by re-assig signed to new location by jumpe	nment of any signal by means o r wires.	f cut and so	lder, where any signa	al may be cut		
								THOP
	Scope Probe wire Ins		wire length at 0.5" (1.2cm) long	Y				
	2- In ord	ler to avoid ground loop problem	is, please use the shortest Grou	nd probe wii		earest GND		
E			D test points to be utilized as GN er variety of single ended as we			n their accessori	es,	
		vare few probes from each venc						
		probe, N5426A ZIF Tip, N28	884A Fine Wire ZIF Tip and more	e - See the	figure "probe head ac	ccessories".		
		b) Tektronix offers several sing of TDP7000 series and mo	le-ended as well as differential r e	probes such	as : P6245, P6248, F	P6247, P6246 o	r any	ZX103CS
	4- Pleas		in installation of probe wires & a	ccessories.				
	Signal Access & re-ro							
			be implemented by cutting the t ia (inner connecting via) at end					
D	to bottor		er connecting via may not be vis					Keysight Pro
								InfiniiMax RC Prob
			e the inner layers are Ground lay signal integrity, please connect t					MX0100A
		View figure on Page 1 for detail				·		MX0103A
	Mating and Un-mating		ng and un-mating of ZX103CS fi	rom host or	daughter card may ca	auso overstress	and damage to th	MX0106A Diff
с	contacts	s, housing or solder joints. Sever	e side-to-side rocking motions s	hould be pro	hibited.		-	
			of the connector (peeling) is per nnector. The separation angle sh					N2839A Diff. B
			the length of the interface conne					more

Preterred					
Lift Evenly Press Evenly	ZX103CS – port	on of Top View			
		Trace to Trace via			
ZX103CS	Samtec Conne	tor PCB Trace			
		PCB Trace X			
	PCB	30 mils (0.8mm) PCB			
Onboard Host Connector	adapter designs. The via is	nay not be visible on Zebax Connector Saver breakout located 30 mils (0.8mm) from end of the trace as			
HOST PCB	marked Ideal location to cu	the trace			
ce					
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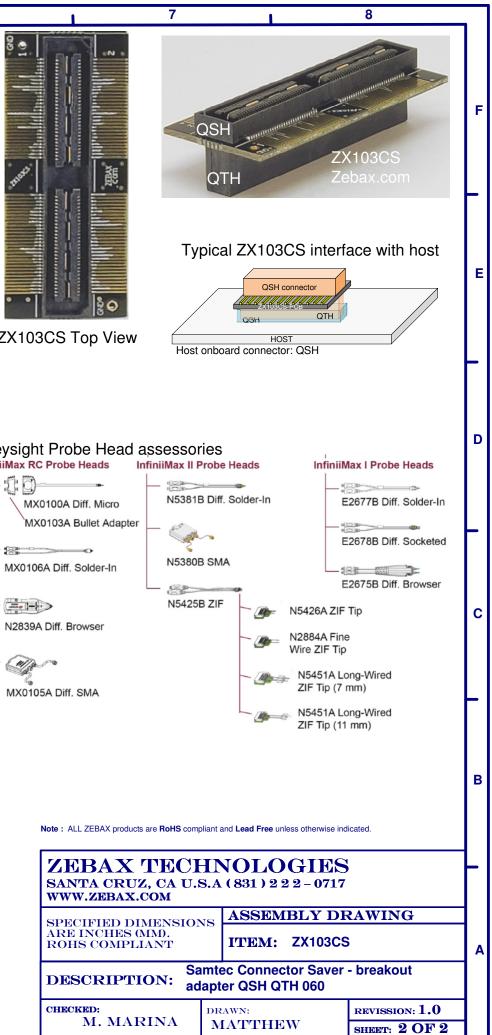
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