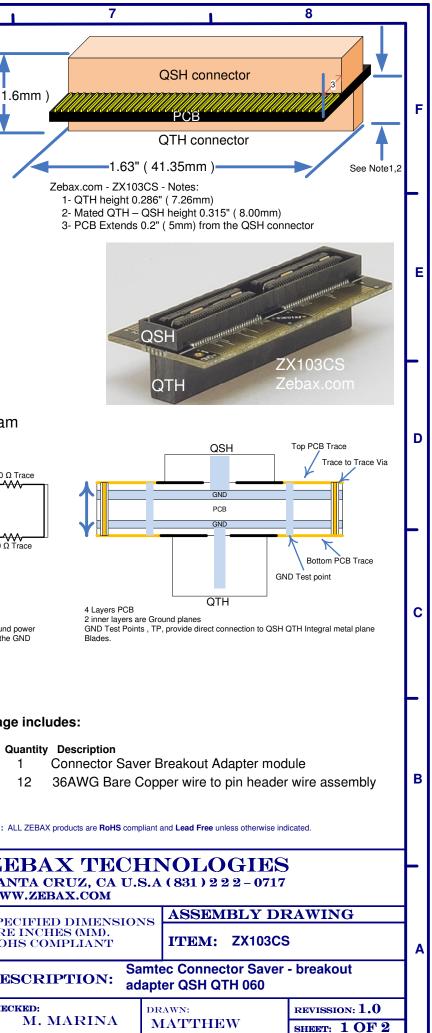
	1		2		3		4	5	1		6	
	Product Name	e: Z	X103CS Samtec	Connector Save	r - Breakout Ada	apter QSH – Q	TH 060 – Page	e 1 of 2			0.2	<b>1</b> " ( 11.6
F	Product Desc	ription:	60pins x 2 rows, 120 connector saver modu	pins Samtec Connec ule with debug access	tor Saver - breakout s point, providing full	adapter. 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.		
			<ul><li>3- All traces have 10r</li><li>4- All traces are 50 Or</li><li>5- Four layers PCB de</li></ul>	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.		
			<ul> <li>9- Ease of interface w</li> <li>10- User may relocate</li> <li>11- Fully compatible w</li> </ul>	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, <b>Pa</b>	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
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			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".		
		<li>b) Tektronix offers several sing of TDP7000 series and mo</li>	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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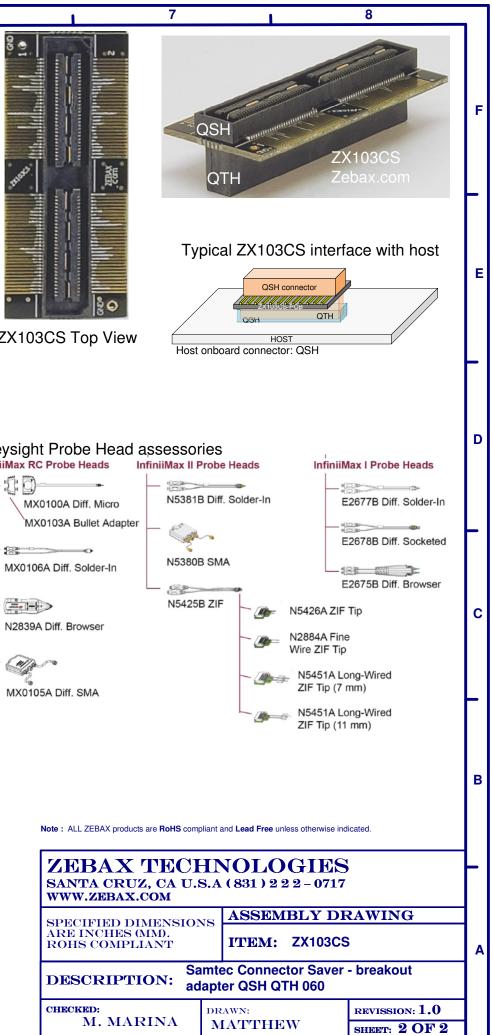
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