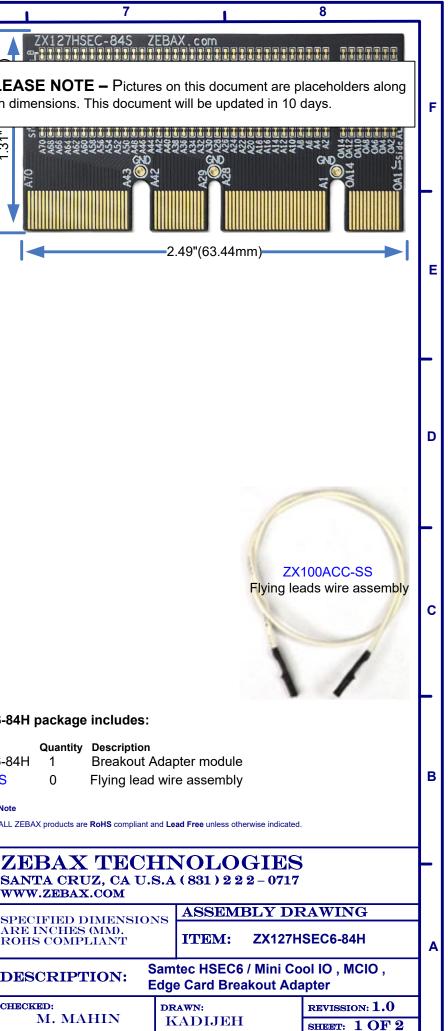
	1		1	2	3	3	1	4	5	1	6
	Product Name	e: ZX127I	HSEC6-84H S	amtec GENE	RATE HSEC6	/ Mini Cool I	Edge IO,M	CIO, edge car	d breakout adapter – Page ′	1 OF 2	
F		ZX127HSE							SFF-TA-1002 , edge card breakout manufacturing loopback test		PL with
	ZX127H It provide	SEC6-84H is es full acces	s breakout adapte s to all HSEC6 / I	er, supporting Sar MCIO connector's	mtec GENERATE s signals via onbo	HSEC6 / MCIC ard headers for	) edge card 0.6 purpose of tes	omm pitch connect t & measurement	ctors using 1.6mm PCB thickness. t.		
	2- The h	eaders are s	o all Samtec HSE standard 0.1" ( 2.5 jacent to each hea	54mm) pitch.			//CIO connecto	r's pin.			-
E	5- Four, 6- Acces 7- Ease	4, layers PC ssible GND t of interface	edance controlled CB design, inner la est point, The tes with single channe ssembly or simila	ayers are GND pla t point is connect el and differential	ed to inner GND   l scope probes.		ZX127F	ISEC6-84H simp	lified cross section diagram		
-	Electrical: Ins	sertion loss	> -2dB @6GHz								
	Trace im Operatir	npedance: 50	0 Ω ure: -55°C to +12	5°C					HDR: Header		
D		Mates wi Pitch: 0. Thicknes	th: Samtec HSE0 60mm pin to pin p s: 1.6mm ( 0.062	bitch	m pitch connecto	r			HDR Inner layers GND planes		
	Plating: 10μ" ( 0.25μm ) Header: Pitch: 0.1" ( 2.54mm ) pin to pin pitch										
		Pin: So Height: (	quare 0.025"(0.6 0.24"(6mm)					HOST	Host anboard HSEC6 connector / Mini Cool IO, MCIO PCB		
		Plating:	Gold Flash				Note: Signal	ayoro -	GND test point is connector to:		
с	Application:		ring test measure est, characterizati				1- To 2- Ti	p/Bottom GND fill ie inner layers ground plane SEC6 / MCIO signals path to	s		
_	Mates with :	Industry sta Amphenol	ENERATE High S andard Mini Cool G97, GH01 series	Edge IO , MCIO s. ACES Electron	,SFF-TA-1016, \$ nics, LOTES	SFF-TA_1002, (					
			0101011 ME1005 1202041 ME1005 94478101						Compliance:		ZX127HSEC6
в									ISO2001 certified RoHs - Lead Free		ZX127HSEC6- ZX100ACC-SS
	Industry Standard : HSEC6 & MCIO connectors have been adopted by industry standards such as: SFF-TA_1002, SFF-TA-1016, PCI Express Gen 3.0, 4.0, 5.0, 6.0, OCP DC-MHS (HSIO recommended) Supporting Up to 64 Gbps PAM4 performance. PCIe , NVMe , SAS ,SFP(+) ,SFP 28								EU RoHS2 UL E111594 document ELV- Vehicle Directive ( Directi European Union Directive ( 203	,	N
-				·					Halogen Free per IEC-61249-2 RoHs Directive 2011/65/EU WEEE Directive ( 2012/12/EU)	2.21 : 2003	
А									Certificate of Compliance for R Certificate of Compliance for A Certificate of Compliance for O Certificate REACH SVHC	sbestos zone Depleting Su	nces
										S_EN_COC	
	IMPLIED, STATUTORY, OR OT	THERWISE WITH R	ESPECT TO THE MATERIAL I reliable. However, Zebax Te	LS, AND EXPRESSLY DISC echnologies assumes no resp	LAIMS ALL IMPLIED WARR	ANTIES OF NO INFRING	EMENT, MERCHANTAE	ILITY, AND FITNESS FOR a ent of patents or other rights	of third parties that may result from its use.		
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	Product Name: ZX127HSEC6-84H Samtec GENERATE HSEC6 / Mini Cool Edge IO , MCIO, edge card breakout adapter – Page 2 OF 2														
F	Ground :	GND test poir	nt as well as top & bo	ottom GND fill	ere the inner layers are C ls. For improved signal i tion diagram for details.	ntegrity, please co									F
-	Typical Appli	appi 1-	roach in usage of bro Utilizing single or dif	eakout adapte ferential scop				rovides new							-
E	Scope Probe	1- It is recomr 2- In order to	mended to keep the avoid ground loop p	roblems, plea	ngth at 0.5" ( 1.2cm ) lor se use the shortest Gro to be utilized as GND re	und probe wire int		st GND reference poin	ıt.						Е
-	SFF-TA-1002 1C ( 2 rows x 28 pins/row ) 56 pins standard- Below are listed signals and Ground pins assignments for the SFF-TA-1002 standard, please refer to the standard for formal signals map naming. This table denotes "SIG" or "GND" PIN geometry locations. The Grounds are not bussed together in the connector or the ZX127HSEC6-84H breakout adapter. The listed GND signals are routed similar to the SIG signals, they are all individually routed signals.											$\left  \right $			
D	Side A         1         2         3         4           Name         GND         SIG         SIG         GND         S           Side B         1         2         3         4	• • • •		7 18 19 20 21 G SIG GND SIG SIG 0 7 18 19 20 21	22         23         24         25         26         27         28         2           SND SIG SIG GND SIG SIG GND SIG SIG GND 22         23         24         25         26         27         28         2	30         31         32         33         34         33           ID         SIG         SIG         GND         SIG         SIG         GND           30         31         32         33         34         33	5 36 37 38 39 40 41 42 ID SIG SIG GND SIG SIG GND SIG 5 36 37 38 39 40 41 42	43         44         45         46         47         48         45           GND         SIG         SIG         GND         SIG         SIG	9 50 51 52 53 ND SIG SIG GND SIG 9 9 50 51 52 53	54         55         56         57         58         59         60         61         62           31G         GND         SIG         SIG         GND         SIG         SIG         SID         SIG         SIG         SID         SIG         SIG         SID         SIG         SIG         SID         SIG         SID         SIG         SIG         SID         SIG         SID         SIG         SID         SIG         SID         SIG         SID         SIG         SID         <	63 64 65 66 67 68 69 70 OA1 SIG GND SIG SIG GND SIG SIG GND 63 64 65 66 67 68 69 70 OB1	OA2 OA3 OA4 OA SIG SIG GND SIC OB2 OB3 OB4 OB	5 OA6 OA7 OA8 OA9 C G SIG GND SIG SIG C 5 OB6 OB7 OB8 OB9 C	DA10 OA11 OA12 OA13 OA14 SND SIG SIG GND SIG B10 OB11 OB12 OB13 OB14	D
	Header pin access configuration: Table below is header's pin configuration											_			
с	Bottom	6-84H header pin a J5 - eaders J4 -	67         63         59           68         64         60           69         65         61           70         66         62	55         51           56         52           57         53           58         54		35         31           36         32           37         33           38         34	27         23         19           28         24         20           29         25         21           30         26         22	15         11         7           16         12         8           17         13         9           18         14         10	3         OB13           4         OB14           5         1           6         2	OB9         OB5         OB1           OB10         OB6         OB2           OB11         OB7         OB3           OB12         OB8         OB4					с
-	A-Side	eaders J3 - J2 - ers refer to the edge car	67         63         59           68         64         60           69         65         61           70         66         62           rd connector pin numbers.         66         62	55         51           56         52           57         53           58         54	49 45 41	35         31           36         32           37         33           38         34	27     23     19       28     24     20       29     25     21       30     26     22	15     11     7       16     12     8       17     13     9       18     14     10	3         OA13           4         OA14           5         1           6         2	OA9         OA5         OA1           OA10         OA6         OA2           OA11         OA7         OA3           OA12         OA8         OA4					-
в	HSEC6 / MCI	O footprint: z	ZX127HSEC6-84H n	nates with ind	ustry standard footprint	for SFF-TA-1002	1C(2rows x 28 pins	per row ) 56 pins conn	nectors.						в
											Note ALL ZEBAX products are RoHS compliant a				$\left  \right $
											ZEBAX TECH SANTA CRUZ, CA U.S WWW.ZEBAX.COM	S.A (831)		AWING	$\left[ \right]$
Α	Notice										SPECIFIED DIMENSION ARE INCHES (MM). ROHS COMPLIANT	ITEM	1: ZX127HSE		^
	IMPLIED, STATUTORY, OR	OTHERWISE WITH RESPE	ECT TO THE MATERIALS, AND I	EXPRESSLY DISCLAI	JMENTS (TOGETHER AND SEPARAT MS ALL IMPLIED WARRANTIES OF N	O INFRINGEMENT, MERCH	ANTABILITY, AND FITNESS FOR	A PARTICULAR PURPOSE.			DESCRIPTION: Car	d Breakou	t Adapter		┤│
l					sibility for the consequences of use of s er information previously supplied. Zeba				is use.		CHECKED: M. MAHIN	drawn: KADIJ		REVISSION: 1.0 SHEET: 2 OF 2	
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