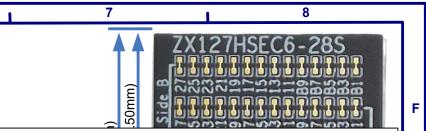
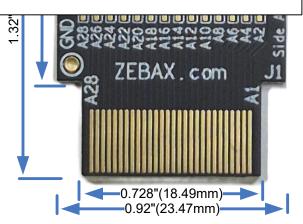
	1	1	2	1	3	1	4		5	1	6	
	Product Name	: ZX127HSE	C6-28V Sar	mtec GENERATE	E HSEC6 / Mini Co	ool Edge IO	, MCIO, breako	out adapte	er– Page 1 OF 2			
F	ZX127H		igned for test &	k measurements of A					1002 , breakout adapter. integrity , characterizatio		F	
	ZX127H It provide	SEC6-28V is breaters full access to a	akout adapter, a all HSEC6 / MC	supporting Samtec 0 NO connector's signa	GENERATE HSEC6 / N als via onboard header	MCIO edge ca rs for purpose	d 0.6mm pitch conr of test & measurem	nectors usin ent of AIC.	g 1.6mm PCB thickness	i.		PLEA vith di
Е	2- The h 3- Listed 4- All tra 5- Four, 6- Acces 7- Ease 8- Facilit	eaders are standa I number adjacent ces are impedanc 4, layers PCB des ssible GND test po of interface with s tates Add in Card,	ard 0.1" (2.54r t to each heade ce controlled. sign, inner laye pint, The test po single channel a , AIC, testing &	er's pin is in reference ers are GND planes. oint is connected to i and differential scope development.	e to the Samtec HSEC nner GND planes.	ZX1	nector's pin. 27HSEC6-28V simp	olified cross se	ection diagram			
D	Electrical: Ins Trace im Operatin	sertion loss >-2dl npedance: 50 Ω ng Temperature: -: or: Samtec HSEC	B @6GHz 55°C to +125°C C6 / MCIO 0.60 dd in Card, edg n pin to pin pitc 6mm ( 0.062" )	C Imm pitch ge card test board ch			HDR: Header	Pupp Pupp Inner layers GNI	HDR: Header			
-	Header:	Pitch: 0.1" ( 2	.54mm ) pin to 0.025" ( 0.635 ( 6mm )			-	ZX127HSEC6-28V Note: Signal layers Ground layers, Please note – Th 1- Top/Bottom GND fill 2- The inner layers ground plan # HSEC6 / MCIO signals patt	nes				
с	Application:			ent & re-use, design, , pre-bringup , bring		$\rightarrow$	# FISECO / MICIO Signals pau	n to neaders.				
_	Mates with : Samtec GENERATE High Speed Edge Card Add in card HSEC6 & GC6 cable assembly Industry standard Mini Cool Edge IO , MCIO , SFF-TA-1016, SFF-TA_1002, GEN-Z 1C Amphenol G97, GH01 series. ACES Electronics, LOTES MET005610101011 ME1005610203071 ME1005610201091 ME1005611201041 ME1005611202041 ME1005610211081 ME1005610205081 ME1005613401101 ME1005634478101							Compliance:		ZX127HSEC Part number ZX127HSEC		
в	Industry Stand	<b>dard :</b> HSEC SFF-TA_1002, \$	6 & MCIO conr SFF-TA-1016, I	PCI Express Gen 3.0	dopted by industry star ), 4.0, 5.0, 6.0, OCP D e , NVMe , SAS ,SFP(	C-MHS ( HSIC			ISO2001 certified RoHs - Lead Free EU RoHS2 UL E111594 document ELV- Vehicle Directive ( Directive ( Directive 2017) Halogen Free per IEC-61249 RoHs Directive 2011/65/EU	203/11/EC) 9-2.21:2003	ZX100ACC-	-SS Note ALL Z
А	Notice								WEEE Directive (2012/12/E Certificate of Compliance for Certificate of Compliance for Certificate of Compliance for Certificate REACH SVHC Certificate of Compliance Re	r Radioactive substar r Asbestos r Ozone Depleting Su		SA WV SPI AR RO
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l l										-		



**ASE NOTE –** Pictures on this document are placeholders along limensions. This document will be updated in 10 days.



## ZX100ACC-SS Flying leads wire assembly

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В

## 8V package includes:

- QuantityDescription1Breakout Adapter BV
  - Flying lead wire assembly 0

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PECIFIED DIMENSIONS		ASSEMBLY DRAWING				
RE INCHES (MM). OHS COMPLIANT	ITEM: ZX127HSEC6-28V			А		
ESCRIPTION: Samtec HSEC6 / Mini Cool IO , MCIO , Breakout Adapter						
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M. MAHIN	K	ADIJEH	[	SHEET: 1 OF 2		
7				8		

	1 2 3 4 5 6									
ſ	Product Name: ZX127HSEC6-28V Samtec GENERATE HSEC6 / Mini Cool Edge IO , MCIO, breakout adapter- Page 2 OF 2									
F	<b>Ground :</b> ZX127HSEC6-28V is 4 layers PCB design where the inner layers are Ground layers. They are connected to the GND test point as well as top & bottom GND fills. For improved signal integrity, please connect the GND test point to system GND reference point. See Cross Section diagram for details.									
	Typical Application:       ZX127HSEC6-28V is designed for purpose of test and debugging at full connector's bandwidth. It provides new approach in usage of breakout adapters by :         1- Utilizing single or differential scope probe.       2-Test and measurement, manufacturing loopback test, validation, pre-bringup applications.									
E	Scope Probe wire Installation:									
	<ol> <li>It is recommended to keep the probe wire length at 0.5" (1.2cm) long.</li> <li>In order to avoid ground loop problems, please use the shortest Ground probe wire interfacing to the nearest GND reference point.</li> <li>ZX127HSEC6-28V provides GND test point to be utilized as GND reference interface with host.</li> </ol>									
	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 ZX127HSEC6-28V breakout adapter. The listed GND signals are routed similar to the SIG signals, they are all individually routed signals.									
5	ZX127HSEC6-28V Pin Geometry Pattern (1C) SFF-TA_1002 Standard Side A 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28									
	Name         GND         SIG         GND         SIG         SIG         SIG         GND         SIG         SIG         SIG         GND         SIG         SIG									
	Header pin access configuration: Table below is header's pin configuration									
	ZX127HSEC6-28V header pin assignments									
	J2     1     5     9     13     17     21     25       2     6     10     14     18     22     26									
2	A-Side Headers J3 3 7 11 15 19 23 27 J3 4 8 12 16 20 24 28									
	J5         3         7         11         15         19         23         27           4         8         12         16         20         24         28           B-Side         Headers									
٦	J4         1         5         9         13         17         21         25           J4         2         6         10         14         18         22         26									
з	HSEC6 / MCIO footprint: ZX127HSEC6-28V mates with industry standard footprint for SFF-TA-1002 1C (2rows x 28 pins per row) 56 pins connectors.									
A										
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SPECIFIED DIMENSION	vs	ASSEMBLY DR	AWING			
ARE INCHES (MM). ROHS COMPLIANT ITEM: ZX127HSEC6-28V						
DESCRIPTION: Samtec HSEC6 / Mini Cool IO , MCIO , Breakout Adapter						
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