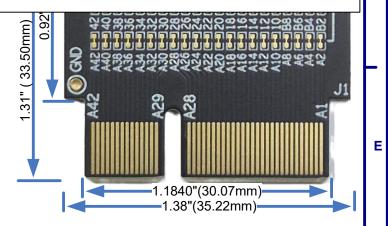
	1	1	2	1	3	1	4		5	1	6	
	Product Name	e: ZX127HSEC	C6-42V Samte	C GENERATE	HSEC6 / Mini (	Cool Edge I	O , MCIO, break	out adapter-	- Page 1 OF 2			
F	ZX127H		igned for test & m						02 , breakout adapter. tegrity , characterizatio	n,		PLE#
	ZX127H It provid	ISEC6-42V is brea es full access to al	kout adapter, sup I HSEC6 / MCIO o	porting Samtec G connector's signal	ENERATE HSEC6 s via onboard head	/ MCIO edge of lers for purpose	ard 0.6mm pitch cor of test & measuren	nnectors using f nent of AIC.	1.6mm PCB thickness.			
	2- The h 3- Listed	des access to all S neaders are standa d number adjacent aces are impedance	rd 0.1" ( 2.54mm to each header's	) pitch.	nboard headers. to the Samtec HS	EC6 / MCIO co	nnector's pin.					
E	6- Acces 7- Ease 8- Facili	4, layers PCB des ssible GND test po of interface with si tates Add in Card,	int, The test point ngle channel and AIC, testing & dev	is connected to ir differential scope velopment.	probes.		ZX127HSEC6-42V	simplified cross s	section diagram			
	9- Flying	g lead wire assemb	bly or similar is rec	commended – See	e ordering informati	on	HDR: Header	Card,	HDR: Header			
	Trace in Operatir	sertion loss >-2dE npedance: 50 Ω ng Temperature: -5 tor: Samtec HSEC	5°C to +125°C	pitch			test point (127HSEC 28V onbound HE	Add In	D test point			
D		Mates with: Ac	ld in Card, edge c pin to pin pitch mm ( 0.062" )	•				Inner layers GN				
_	Header:	Pitch: 0.1" ( 2.8	54mm ) pin to pin 0.025" ( 0.635mm 6mm )				ZX127HSEC6-42V Note: Signal layers Ground layers, Please no 1- Top/Bottom GND fill 2- The inner layers grou	ote – The GND test point is	GND planes			
С	Application:			& re-use, design, t e-bringup , bringu	esting , debugging p , interface		# HSEC6 / MCIO sign	ais path to neaders.				
_	Mates with :	Industry standard Amphenol G97, 0	d Mini Cool Edge GH01 series. ACE	IO, MCIO , SFF- S Electronics, LO	card HSEC6 & GC TA-1016, SFF-TA_ TES 0201091 ME10056	1002, GEN-Z 1	,				ZX127HSEC	6-42
в		ME10056112020 ME10056344781		11081 ME100561	0205081 ME1005	613401101		IS R	Compliance: SO2001 certified RoHs - Lead Free		Part number ZX127HSEC ZX100ACC-	
	Industry Stan	SFF-TA_1002, S	FF-TA-1016, PCI	Express Gen 3.0,	opted by industry s 4.0, 5.0, 6.0, OCP e , NVMe , SAS ,SF	DC-MHS ( HS	as: IO recommended)	U E E	U RoHS2 IL E111594 document LV- Vehicle Directive ( Direct uropean Union Directive ( 20 lalogen Free per IEC-61249-2	3/11/EC)		Note ALL Z
-								R	toHs Directive 2011/65/EU VEEE Directive ( 2012/12/EU Certificate of Compliance for F	)	ces	Z SA WV
A	Notice								Certificate of Compliance for A certificate of Compliance for C certificate REACH SVHC certificate of Compliance RoH	sbestos Dzone Depleting Sub		SP AR RO
	IMPLIED, STATUTORY, OR O	THERWISE WITH RESPECT 1	TO THE MATERIALS, AND E	XPRESSLY DISCLAIMS ALL	IMPLIED WARRANTIES OF N	O INFRINGEMENT, MEI	E BEING PROVIDED "AS IS." ZE RCHANTABILITY, AND FITNESS	FOR A PARTICULAR PL	JRPOSE.			DI
							y infringement of patents or other are not authorized as in life supp		may result from its use.			CHI



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



ZX100ACC-SS Flying leads wire assembly F

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В

## 2V package includes:

- QuantityDescription1Breakout Adapter 2V 1
  - Flying lead wire assembly 0

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<b>ZEBAX TECH</b> ANTA CRUZ, CA U.S WW.ZEBAX.COM			-			
PECIFIED DIMENSION		BLY DRAWING				
RE INCHES (MM). OHS COMPLIANT		ZX127HSEC6-42V	A			
	Samtec HSEC6 Breakout Adapt	tec HSEC6 / Mini Cool IO , MCIO , kout Adapter				
IECKED:	DRAWN:	<b>REVISSION:</b> 1.0				
M. MAHIN	KADIJEH	SHEET: 1 OF 2				
7		8				

		2	<u> </u>	<del>4</del>	<u> </u>	0	1		0	-
	Product Name: 2	ZX127HSEC6-42V Samtec	GENERATE HSEC6 / Mini	Cool Edge IO , MCIO, brea	akout adapter– Page 2 OF 2	2				
F	GND test p	EC6-42V is 4 layers PCB design w point as well as top & bottom GND GND reference point. See Cross S	fills. For improved signal integrity							F
_	a	ZX127HSEC6-42V is designed for approach in usage of breakout ada 1- Utilizing single or differential sc 2-Test and measurement, manufa	pters by : cope probe.		ovides new					┝
Е	Scope Probe wire Insta 1- It is reco 2- In order		length at 0.5" ( 1.2cm ) long. lease use the shortest Ground pro	be wire interfacing to the neares	t GND reference point.					E
_	please refer to the s	vs x 42 pins/row ) 84 pins s tandard for formal signals map name tector or the ZX127HSEC6-42V bro	ming. This table denotes "SIG" or	"GND" PIN geometry locations.	The Grounds are not bussed	routed signals.				╞
D	Side A 1 2	SIG GND SIG SIG GND SIG SIG GND S	11 12 13 14 15 16 17 18	ND SIG SIG GND SIG SIG GND SIG	27 28 29 30 31 32 33 34   SIG GND GND SIG SIG GND SIG	G GND SIG SIG GND SIG SIG G	11 42 ND SIG 11 42			D
_	-	figuration: Table below is head	der's pin configuration							Ļ
с	ZX127HSEC6-42V A-Side Headers	s header pin assignments J3 GND GND 3 GND GND 4 J2 GND 1 5 GND 2 6	7 11 15 19   8 12 16 20   9 13 17 21   10 14 18 22	23 27 31 35   24 28 32 36   25 29 33 37   26 30 34 38	39 40 41 42					С
_		J4 GND 2 6   GND 1 5   J5 GND GND 4   GND GND GND 3   er to the HSEC6 / MCIO connector's pin number ponnected to top & bottom GND fill as well as the Section 1 Section 2		26 30 34 38   25 29 33 37   24 28 32 36   23 27 31 35	42 41 40 39					╞
в		t: ZX127HSEC6-42V mates with in		-TA-1002 1C ( 2rows x 42 pins p	er row ) 84 pins connectors.		Note			B
							ALL ZEBAX products are RoHS compliant and ZEBAX TECH SANTA CRUZ, CA U.S WWW.ZEBAX.COM	INOLOGIE	3	-
А	Notice						SPECIFIED DIMENSION ARE INCHES (MM). ROHS COMPLIANT	S ASSEMBLY D ITEM: ZX127H Itec HSEC6 / Mini Coo	SEC6-42V	
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• ۱	1	2	3	4	5	6	7		8	-

42	
SIG	1
42	