

Product Name: ZX132-BTH050 Samtec Breakout Adapter Logic Analyzer probe

Product Description: 50x2, 100 pin Samtec breakout adapter supporting Samtec's Basic Blade & Beam Header BTH connector series.

- Designed in 4 layer PCBoard
- No via on any signal traces
- Improved signal integrity and crosstalk.
- Matching connector's 50Ω impedance – Reference plane impedance 50Ω for DC to 8GHz bandwidth applications

GND test points for easy access – GND Test point must be connected to system GND
GND test points is tied to 2 inner layer GND planes

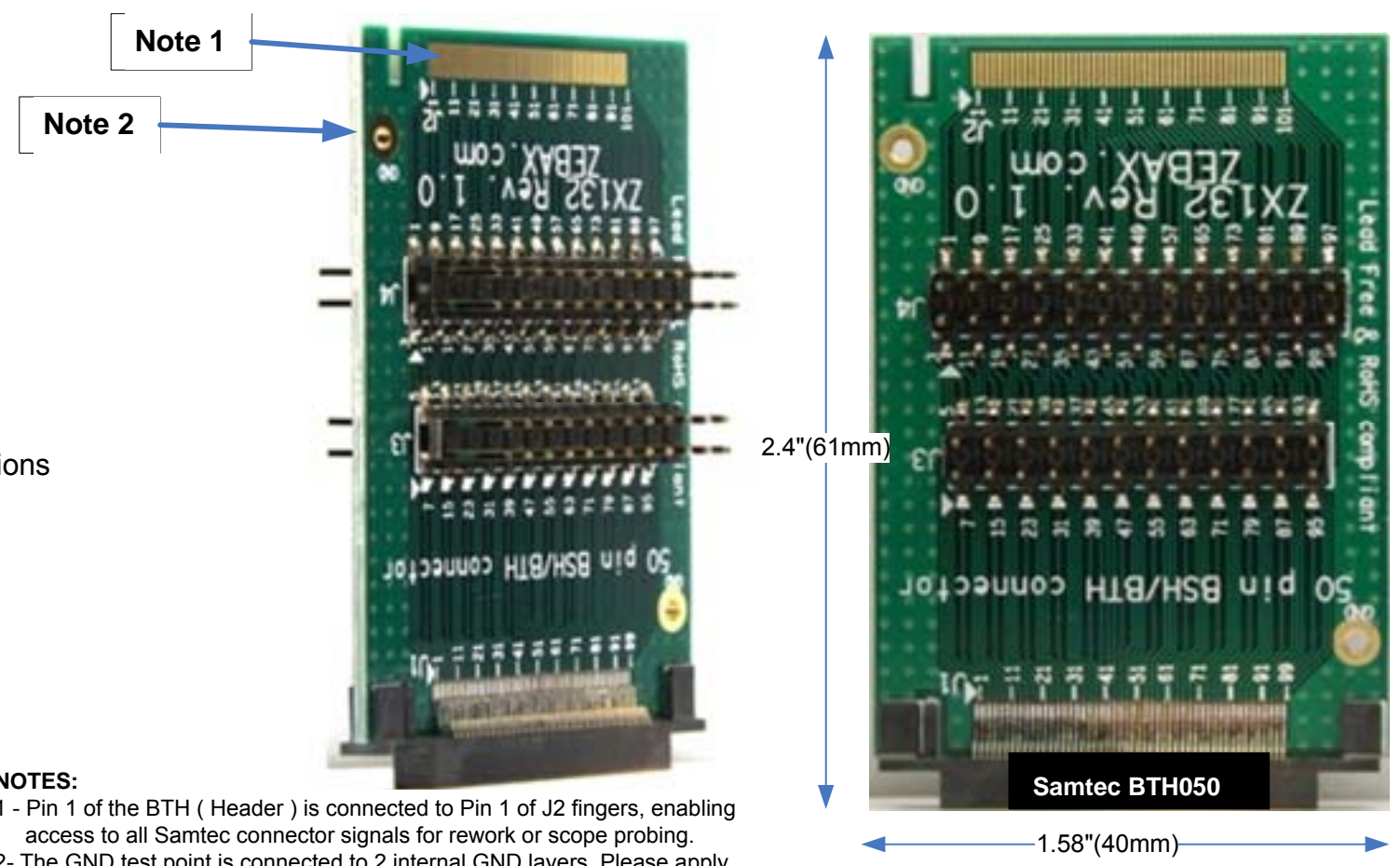
Application: Agilent logic Analyzer probes, Bringup, testing, emulation, development, modular design evaluations

Mates with : Samtec BSH050 – ASP-65067-01
Designed to meet Agilent Logic Analyzer, Samtec attachment probe. ZX132-BTH050 Breakout Adapter can be used with flying leads probes along with Mictor probes using ZX110 or ZX104. Followings are list of supported Samtec & flying leads probes.

Mfr	Attachment method	Probe	Logic Analyzer - Probe	# channels	type
Agilent	Samtec	E5378A	16760A, 16753A, 16754A, 16755A, 16756A	34	single-ended
Agilent	Samtec	E5379A	16760A, 16753A, 16754A, 16755A, 16756A	17	differential
Agilent	Samtec	E5385A	34-channel Samtec probe	34	single-ended
Agilent	Samtec	E5378A	16760A, 16753A, 16754A, 16755A, 16756A	34	single-ended
Agilent	Samtec	E5379A	16760A, 16753A, 16754A, 16755A, 16756A	17	differential
Agilent	Samtec	E5385A	34-channel Samtec probe	34	single-ended
Agilent	flying leads	E5382A	17-channel flying lead probe	17	single-ended
Agilent	flying leads	E5383A	17-channel flying lead probe	17	single-ended
Agilent	flying leads	E5382A	17-channel flying lead probe	17	single-ended
Agilent	flying leads	E5383A	17-channel flying lead probe	17	single-ended
tek	flying leads	P6410	17 ch. Mictor Probe for TLA520x mainframe, TLA6xx mainframe or TLA7Lx/Mx/Nx/Px/Qx logic analyzer module	16+Clock	single-ended
Lecroy	flying leads 10	PK400-1	Large gripper probe set for 0.1" (2.54mm) pin pitch	10	single-ended
Lecroy	flying leads 10	PK400-2	Large gripper probe set for 0.01" (1.0mm) pin pitch	10	single-ended
Lecroy	flying leads 10	PK400-3	Large gripper probe set for 0.008" (0.2mm) pin pitch	10	single-ended

Pitch: 0.50mm (0.0197") High Speed connector

Headers: 0.1" (2.54mm) center, 0.025" (0.64mm) SQ with 0.23" (5.6mm) post height



NOTES:

- 1 - Pin 1 of the BTH (Header) is connected to Pin 1 of J2 fingers, enabling access to all Samtec connector signals for rework or scope probing.
- 2- The GND test point is connected to 2 internal GND layers. Please apply system ground for improved signal measurements

ZX132-BTH050 pin configuration

Layer	Header	Pin	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	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
TOP	BTH	J1																																																		
BOTTOM	Headers	J6																																																		
BOTTOM	Headers	J5																																																		
TOP	Headers	J4																																																		
TOP	Headers	J3																																																		

Header numbering refers to the connected BTH connector pin number

Note

ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX132-BTH050	
DESCRIPTION: Samtec breakout adapter BTH 050		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1