

Product Name: ZX131-BSH-BTH030 Samtec breakout Adapter

Product Description: Samtec BTH/BSH 30pins x 2rows → 60 pins Samtec breakout adapter supporting Samtec's Basic Blade & Beam Header/Socket BTH and BSH series. ZX131 has onboard BTH-030 and BSH-030 connectors mating with both BTH and BSH connector series.

Designed in 4 layers PCBoard with no vias on any signal traces, improved signal integrity and crosstalk. The 2 inner layers PCB are GND planes connected to the GND test point as well as top/bottom GND fill.

GND test point for easy access – GND Test point must be connected to system GND

Application: Bringup, testing, emulation, development, modular design evaluations

Mates with : Samtec BSH030 and BTH030

Pitch: 0.50mm (0.0197") High Speed connector

Headers: 0.1" (2.54mm) center, 0.025" SQ with 0.32" (8.13mm) post height



ZX131-BSH-BTH030 pin configuration

Layer													
TOP	BTH030	J2	59, .. 9, 7, 5, 3, 1										
BOTTOM	BTH030	J2	60, .. 10, 8, 6, 4, 2,										
Bottom	Headers	J5	60	54	48	42	36	30	24	18	12	6	
		J6	58	52	46	40	34	28	22	16	10	4	
			56	50	44	38	32	26	20	14	8	2	
Top	Headers	J3	59	53	47	41	35	29	23	17	11	5	
		J4	57	51	45	39	33	27	21	15	9	3	
			55	49	43	37	31	25	19	13	7	1	
TOP	BSH030	J1	59, .. 9, 7, 5, 3, 1										
BOTTOM	BSH030	J1	60, .. 10, 8, 6, 4, 2,										

Header numbering refers to the BTH connector pin number

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NOTE: Pin 1 of the Samtec BTH030 Plug (Header) is connected to Pin 1 of BSH030 Socket (Receptacle), enabling target board debugging by using ZX131 in between Host and Target device..

Note
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX131-BSH-BTH030	
DESCRIPTION: Samtec breakout adapter BSH BTH 030		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1