

**Product Name:** ZX131BTH-BTH030 Samtec Breakout Adapter

**Product Description:** Samtec BTH 30pins x 2rows → 60 pins Samtec breakout adapter supporting Samtec's Basic Blade & Beam Header/Socket BTH series. ZX131BTH has onboard BTH-030 connector mating with 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, TP1, 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

**Pitch:** 0.50mm (0.0197") High Speed connector

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



1.93"(49mm)

1.00"(24mm)

1.46"(37mm)



1.1875"(31mm)

**ZX131-BTH030 pin configuration**

Layer		J3	6	12	18	24	30	36	42	48	54	60
Bottom	Headers											
	J2	2	8	14	20	26	32	38	44	50	56	58
		4	10	16	22	28	34	40	46	52	58	

Top	Headers											
	J5	5	11	17	23	29	35	41	47	53	59	
	J4	1	7	13	19	25	31	37	43	49	55	
		3	9	15	21	27	33	39	45	51	57	

TOP	BTH-030	J1	1, 3, 5, 7, 9, .. 59
BOTTOM			2, 4, 6, 8, 10, .. 60

Header numbering refers to the 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: ZX131BTH-BTH030	
DESCRIPTION: Samtec breakout adapter BTH 030		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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