

**Product Name:** ZX131BSH-BSH030 Samtec Breakout Adapter

**Product Description:** Samtec BSH 30pins x 2rows → 60 pins Samtec breakout adapter supporting Samtec's Basic Blade & Beam Header/Socket BSH series. ZX131BSH has onboard BSH-030 connector mating with BTH 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.

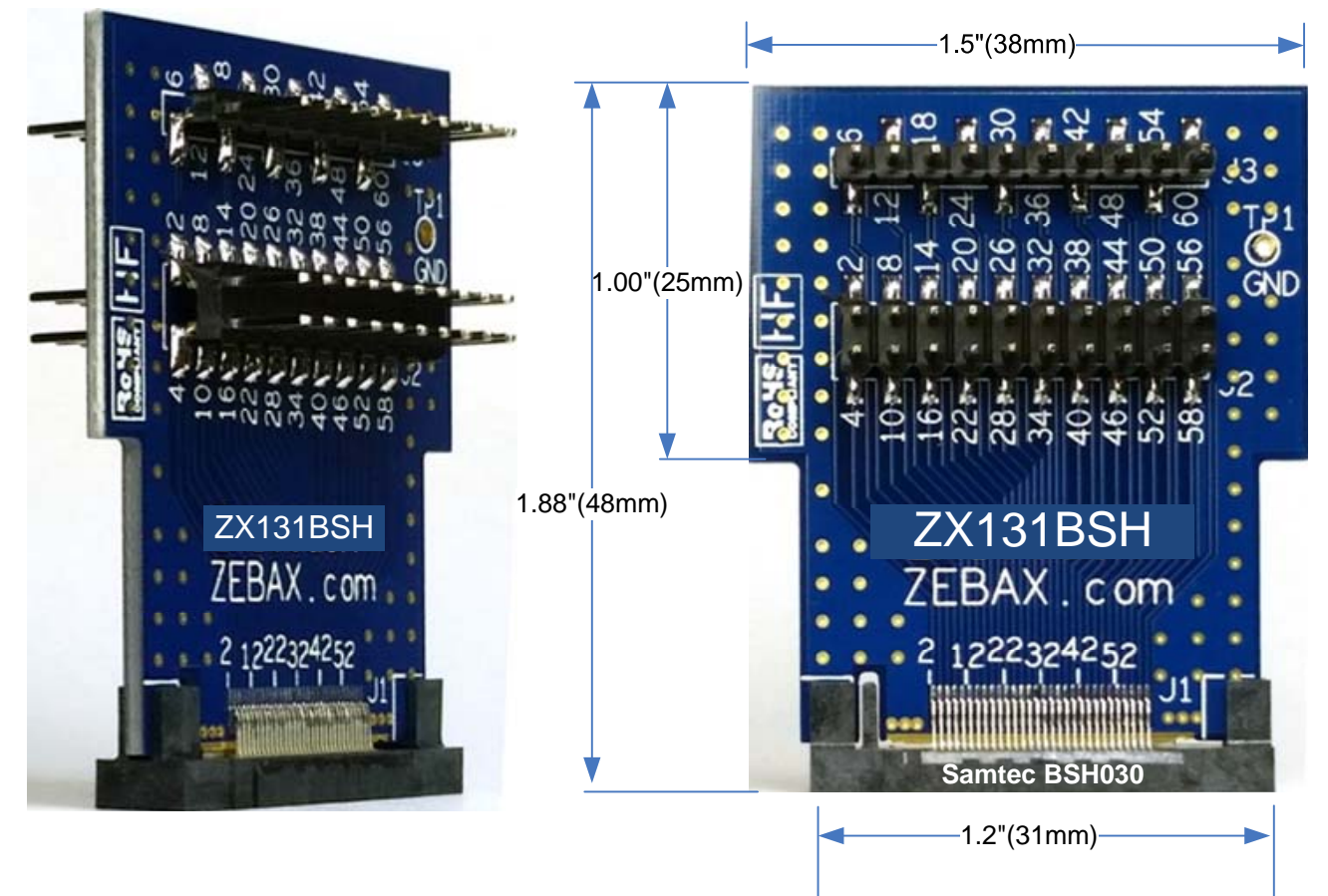
GND test point for easy access – GND Test point must be connected to system GND

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

**Mates with :** Samtec BTH030

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

**Headers:** 0.1" (2.54mm) center, 0.025" SQ with 0.32" (5.58mm) post height

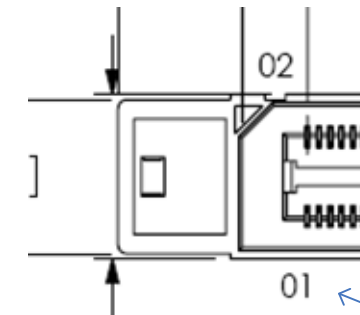


**ZX131-BSH030 pin configuration**

Layer		Pin Configuration										
Bottom	Headers	J5	5	11	17	23	29	35	41	47	53	59
	J4	1	7	13	19	25	31	37	43	49	55	57
Top	Headers	J3	6	12	18	24	30	36	42	48	54	60
	J2	2	8	14	20	26	32	38	44	50	56	58

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

Header numbering refers to the BSH connector pin number



Note 1: The Samtec BSH-030 Pin 1

**NOTE:** Header numbering refers to the Samtec BSH030 Socket ( Receptacle )

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: ZX131BSH-BSH030
DESCRIPTION: Samtec breakout adapter BSH 030		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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