

**Product Name:** ZX131S-BSH-BSH030 Samtec breakout Adapter

**Product Description:** Samtec BSH/BSH 30pins x 2rows → 60 pins Samtec breakout adapter supporting Samtec's Basic Blade & Beam Header/Socket BSH series. ZX131S has onboard BSH-030 connectors mating with BTH connector series.

Designed in 4 layers PCBoard with 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.

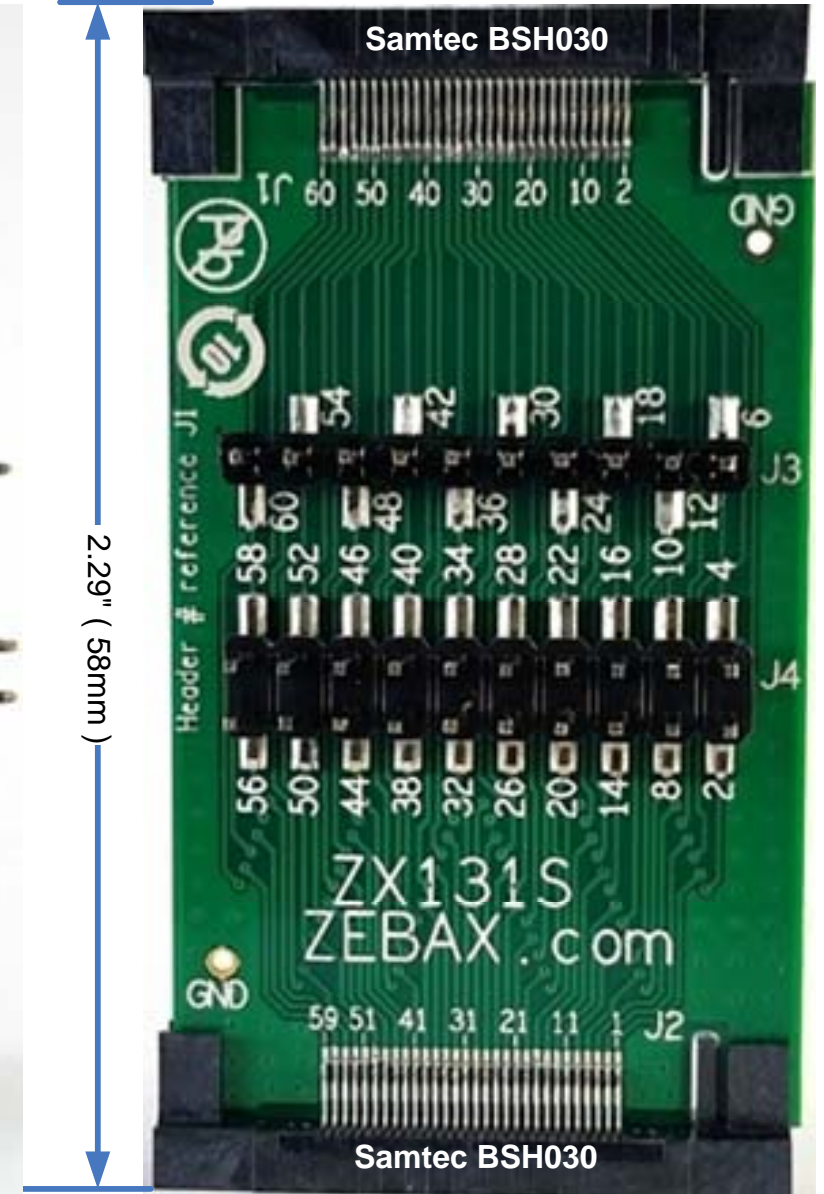
GND test point for easy access – GND Test point must be connected to system GND

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

**Mates with :** Samtec 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



**ZX131S-BSH-BSH030 pin configuration**

TOP	BSH	J2	1, 3, 5, .. 59									
BOTTOM			2, 4, 6, .. 60									

Bottom	Headers	J5	59	53	47	41	35	29	23	17	11	5
		J6	57	51	45	39	33	27	21	15	9	3
			55	49	43	37	31	25	19	13	7	1

Top	Headers	J3	60	54	48	42	36	30	24	18	12	6
		J4	58	52	46	40	34	28	22	16	10	4
			56	50	44	38	32	26	20	14	8	2

TOP	BSH	J1	2, 4, 6, .. 60									
BOTTOM			1, 3, 5, .. 59									

Header pin numbers are referenced to J1 BSH connector pins

**Notice**

ALL ZEBAX TECHNOLOGIES DESIGN SPECIFICATIONS, DRAWINGS, PUBLICATIONS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NO INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

Information furnished is believed to be accurate and reliable. However, Zebax Technologies assumes no responsibility for the consequences of use of such information or for any infringement of patents or other rights of third parties that may result from its use. Specifications mentioned in this publication are subject to change without notice. This publication replaces all other information previously supplied. Zebax Technologies products are not authorized as in life support devices or systems.

**NOTE:** Pin 1 of the Samtec BSH030 Socket ( Receptacle ) is connected to Pin 1 of BSH030 Socket ( Receptacle ).

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

<b>ZEBAX TECHNOLOGIES</b>		
SANTA CRUZ, CA U.S.A ( 831 ) 2 2 2 - 0717		
WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX131S-BSH-BSH030	
DESCRIPTION: Samtec breakout adapter BSH BSH 030		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1