

**Product Name:** ZX133-BSH-BTH060 Samtec Breakout Adapter

**Product Description:** 60x2, 120 pins Samtec breakout adapter supporting Samtec's Basic Blade & Beam Header BTH and BSH 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 point for easy access – GND Test point must be connected to system GND  
GND test points is tied to 2 inner layer GND planes

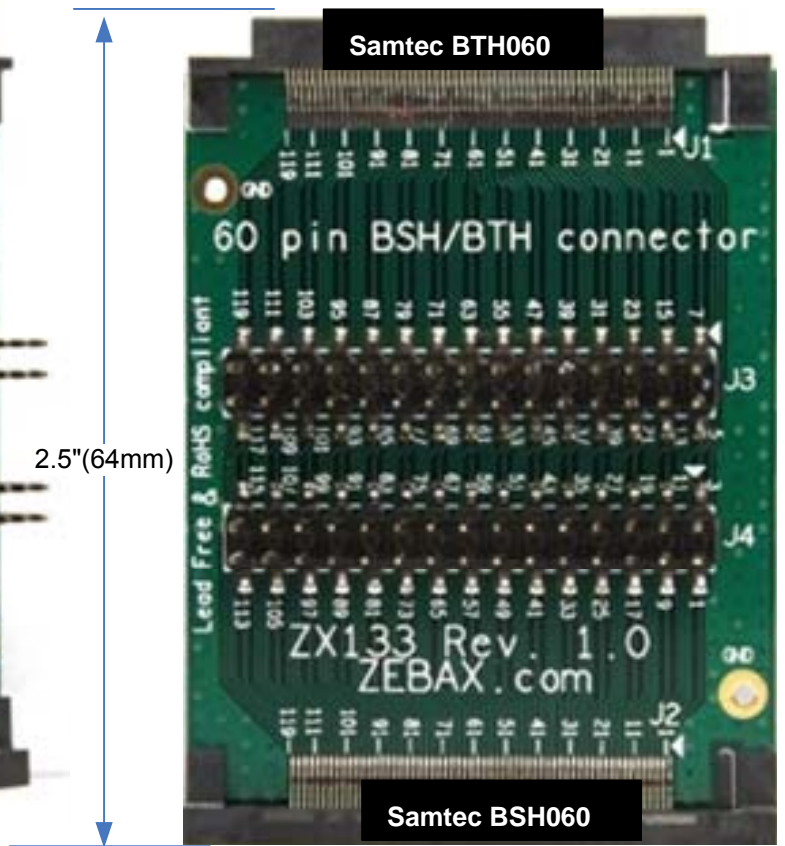
**Application:** Bringup, testing, emulation, development, modular design evaluations

**Mates with :** Samtec BSH060 , BTH060

**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

Note 2



**ZX133-BTH-BSH060 pin configuration**

TOP	BOTTOM	BSH	J2	Layer															
Bottom	Headers	J6		2	10	18	26	34	42	50	58	66	74	82	90	98	106	114	
				4	12	20	28	36	44	52	60	68	76	84	92	100	108	116	
	Headers	J5		6	14	22	30	38	46	54	62	70	78	86	94	102	110	118	
				8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	
Top	Headers	J4		1	9	17	25	33	41	49	57	65	73	81	89	97	105	113	
				3	11	19	27	35	43	51	59	67	75	83	91	99	107	115	
	Headers	J3		5	13	21	29	37	45	53	61	69	77	85	93	101	109	117	
				7	15	23	31	39	47	55	63	71	79	87	95	103	111	119	

- NOTES:**
- 1 - Pin 1 of the Samtec BTH060 Plug ( Header ) is connected to Pin 1 BSH060 Socket ( Receptacle ).
  - 2- The GND test point is connected to 2 internal GND layers. Please apply system ground for improved signal measurements

**ZX133-BTH-BSH060 pin configuration**

Header numbering refers to the connected BTH connector pin number

Note  
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX133-BSH-BTH060	
DESCRIPTION: Samtec breakout adapter BSH BTH 060		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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