

**Product Name:** ZX138-BTE60-ST Samtec Breakout Adapter

**Product Description:** ZX138-BTE60-ST enables access to all BTE060 interface signals via onboard headers. Ideal test module, breakout adapter for test, debug, bringup applications. 60pins x 2rows, 120 pins breakout adapter supporting Samtec's 0.8mm ( 0.0315" ) pitch HI-SPEED Header / Socket BTE BSE Basic Blade & Beam connectors. Samtec BTE BSE connector series are compatible with Ultra Micro Power Terminal / Socket , UMPT / UMPS , for flexible two-piece power / signal solutions.

ZX138-BTE60-ST has onboard BTE-060 connector, mating with Host BSE-060 connector series.

- Designed in 6 layer PCBoard
- Improved signal integrity and crosstalk.
- Matching connector's 50Ω impedance.
- Reference plane impedance 50Ω.
- High bandwidth applications.
- Mates with Samtec host BSE series connector.
- GND test point for easy access

The GND test point is connected to inner GND planes as well as top & bottom ground fills. Fully mated ( ZX138-BTE60-ST with host, BSE ) board clearance is 0.86" (22mm) , enabling applications requiring horizontal access to device under test.

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

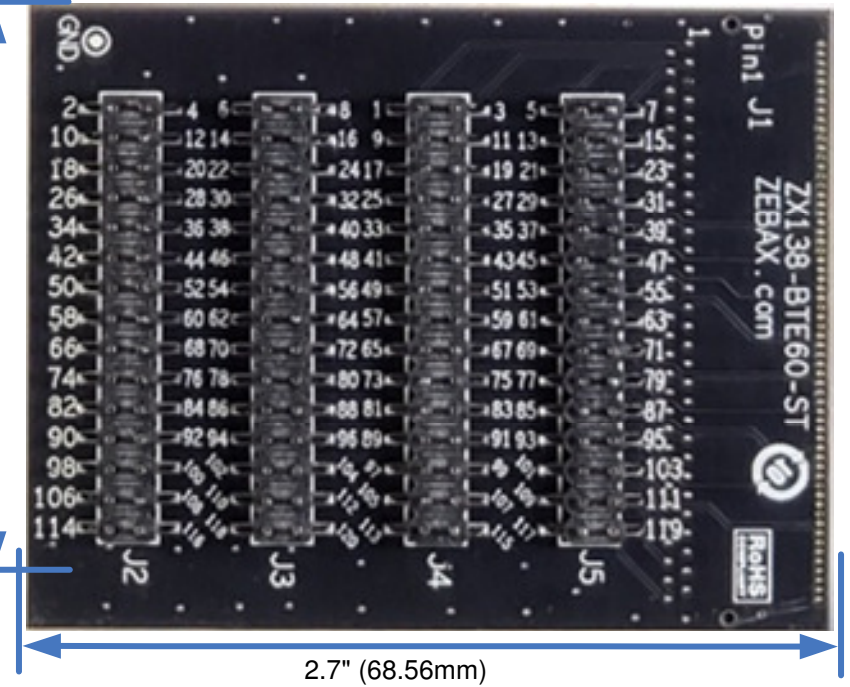
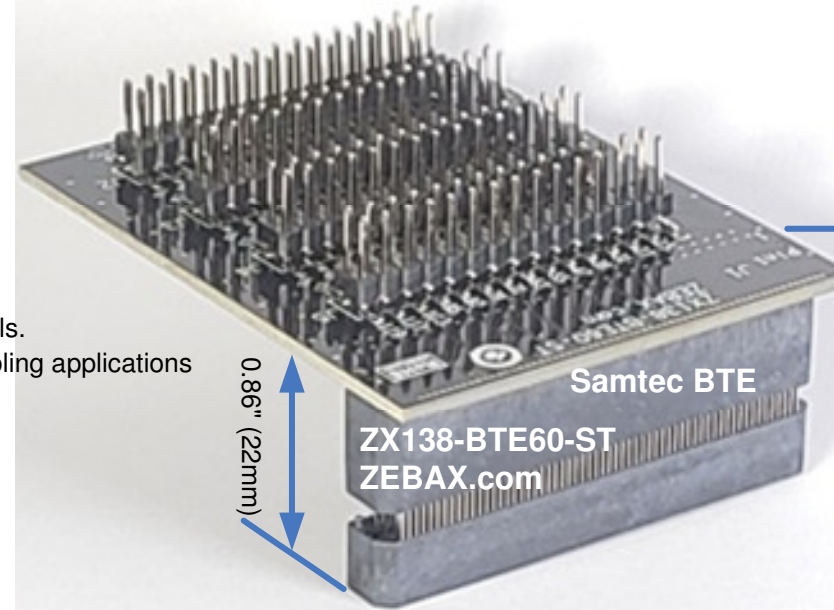
**Mates with :** Samtec BSE-060 2 rows by 60 positions 0.8mm ( 0.0315" ) pitch centerline connector BSE-060-01-F-D-A BSE-060-01-L-D-A BSE-060-01-C-D-A

**Pitch:** 0.80mm (0.0315") pitch Samtec High Speed connector

**Headers:** 0.1" (2.54mm) center, 0.025" (0.64mm) SQ with 0.23" (5.6mm) post height

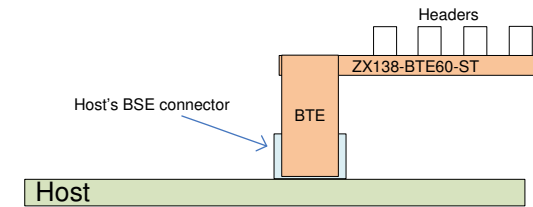
**Operating temperature :** -40° C to +140°C

**Trance Impedance:** 50 Ω



- NOTE:**
- 1- GND test point is connected to inner GND planes.
  - 2- ZX138-BTE60-ST has onboard BTE connector, mating with Host BSE connector.
  - 3- Header is standard 0.1" ( 2.54mm ) pitch.
  - 4- Fully mated ( ZX138-BTE60-ST with host, BSE ) board clearance is 0.86" (22mm) )

Simplified interface block diagram



Ordering INFO:  
Part Number  
ZX138-BTE60-ST

ZX138-BTE060-ST - 060 pin configuration - Labeled header pin number refers to BTE connector pins.

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

BOTTOM	BTE	J1
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX138-BTE60-ST	
DESCRIPTION: Samtec breakout adapter BTE 060 2 rows x60 pins 0.80mm 0.0315" pitch		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1