

Product Name: ZX138-BTE60 Samtec Breakout Adapter

Product Description: ZX138-BTE60 enables access to all BTE060 interface signals via onboard headers. Ideal test module, breakout adapter for test, debug, bringup applications. 60pins x2 rows, 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 has onboard BTE-060 connector, mating with Host BSE-060 connector series.

- Designed in 6 layer PCBoard
- No via on any signal traces
- 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.

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

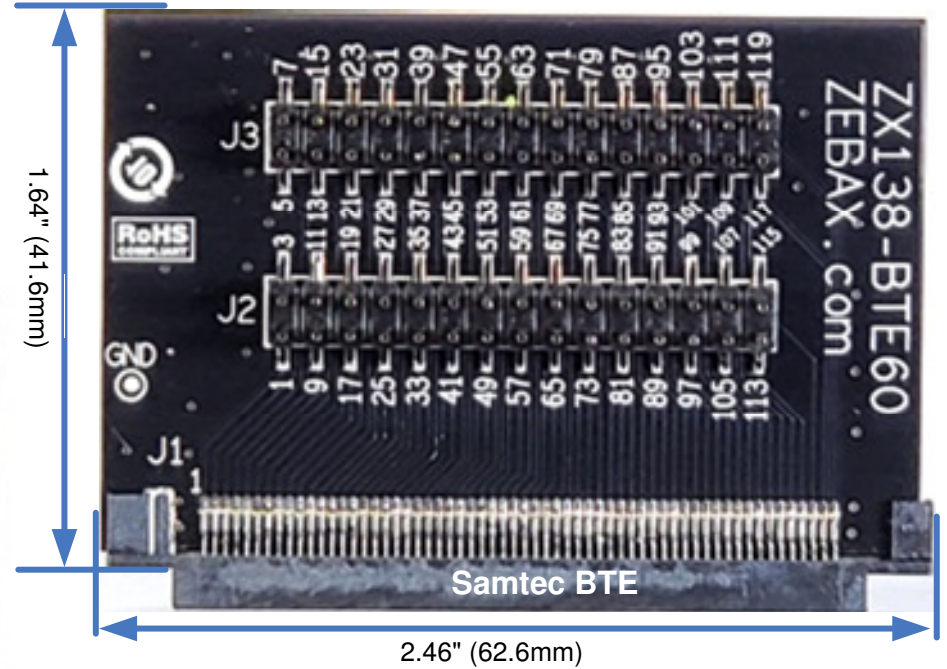
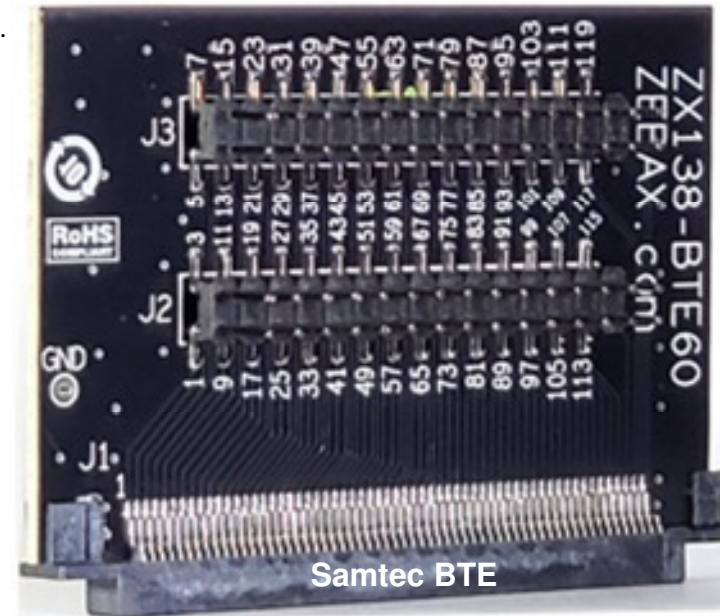
Headers: 0.1" (2.54mm) center, 0.025" (0.64mm) SQ with 0.23" (5.6mm) post height

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

Trance Impedance: 50 Ω

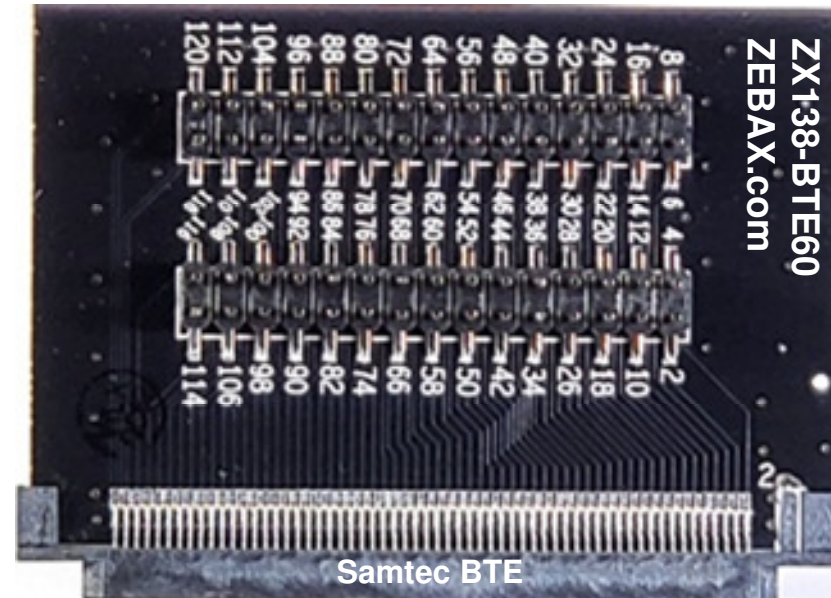
ZX138-BTE060 - 060 pin configuration - Labeled header pin number refers to BTE connector pins.

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Bottom	Headers	J5	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
		J4	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
Top	Headers	J3	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
		J2	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
TOP	BTE	J1															
BOTTOM																	



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

Bottom view



Ordering INFO:
Part Number
ZX138-BTE60

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: ZX138-BTE60	
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