

Product Name: ZX138-BTE40 Samtec Breakout Adapter

Product Description: ZX138-BTE40 enables access to all BTE040 interface signals via onboard headers. Ideal test module, breakout adapter for test, debug, bringup applications. 40pins x 2rows, 80 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-BTE40 has onboard BTE-040 connector, mating with Host BSE-040 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-040 2 rows by 40 positions 0.8mm (0.0315") pitch centerline connector
BSE-040-01-F-D-A BSE-040-01-L-D-A BSE-040-01-C-D-A

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

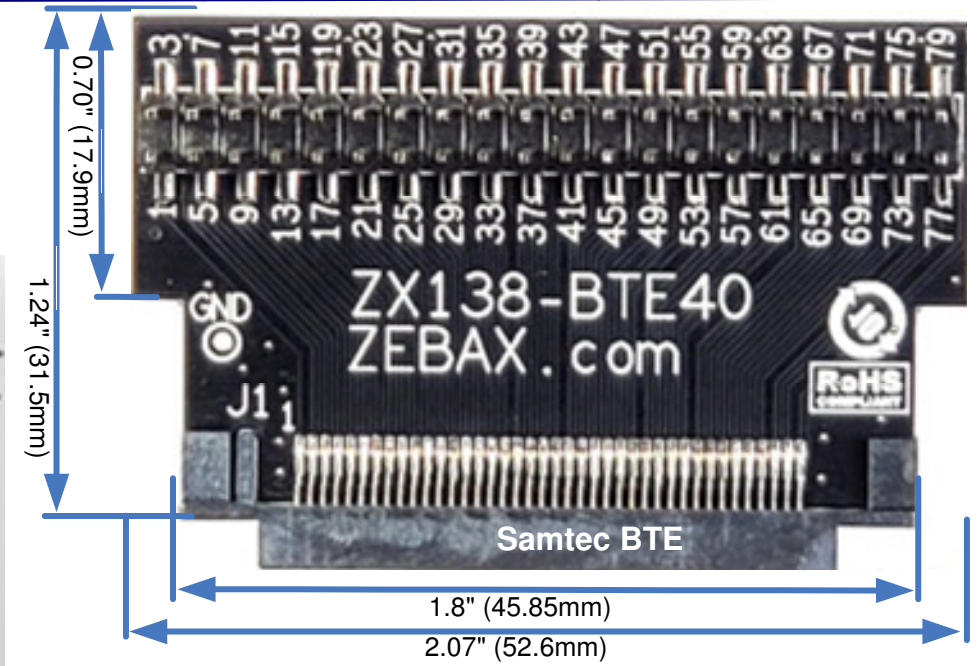
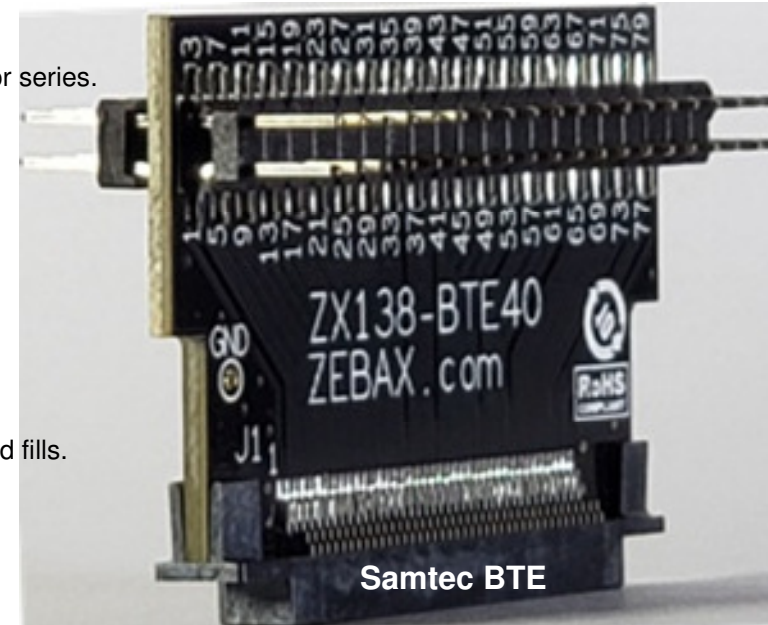
Headers: 0.1" (2.54mm) center, 0.025" (0.64mm) SQ with 0.23" (5.6mm) post height

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

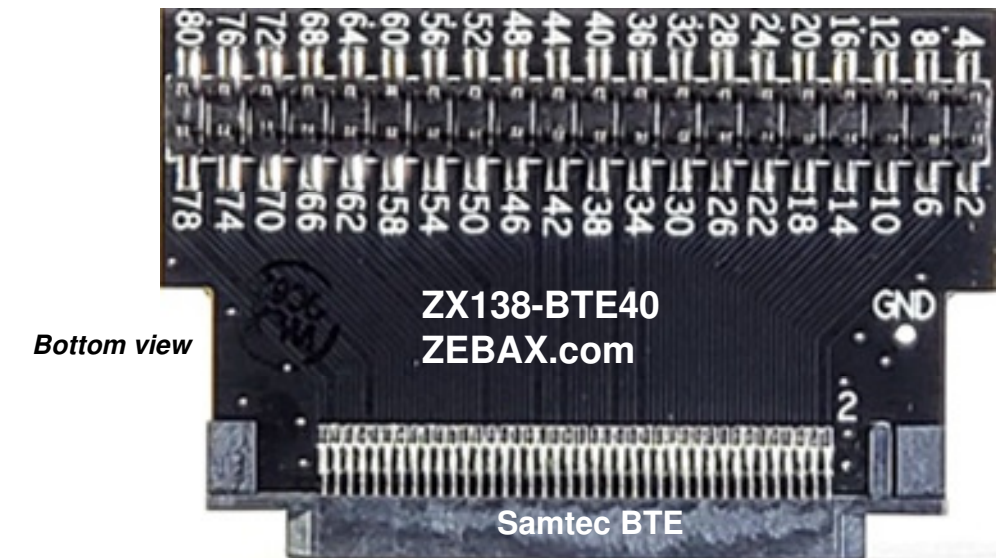
Trance Impedance: 50 Ω

ZX138-BTE40 - 040 pin configuration - Labeled header pin number refers to BTE connector pins.

Bottom	Headers	J3	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
			2	6	10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	70	74	78
Top	Headers	J2	3	7	11	15	19	23	27	31	35	39	43	47	51	55	59	63	67	71	75	79
			1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77
TOP	BTE	J1																				
BOTTOM																						



- NOTE:**
- 1- GND test point is connected to inner GND planes.
 - 2- ZX138-BTE40 has onboard BTE connector, mating with Host BSE connector.
 - 3- Header is standard 0.1" (2.54mm) pitch.



Ordering INFO:
Part Number
ZX138-BTE40

Note
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX138-BTE40	
DESCRIPTION: Samtec breakout adapter BTE 040 2 rows x 40 pins 0.80mm 0.0315" pitch		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1