

Product Name: ZX137-38MIT Samtec Breakout Adapter, test board

Product Description: 38x2, totaling 76 pins Samtec breakout adapter supporting Samtec's HI-SPEED MIT Q-Strip Mixed Technology header. The ZX137-38MIT mates with host MIS-038 Samtec connector. Ideal debugging development and signal measurements solution.

Fully compatible with :

- 1- Single Ended or Differential Pair signaling MIS connectors.
- 2- Any connector Stack heights

Designed in 4 layer PCBoard

- No via on any signal traces
- Improved signal integrity and crosstalk.
- Matching connector's 50Ω impedance

Ground , **GND**, test point – The GND test point is connected to 2 inner layers ground planes as well as the MIT integral ground metal blade, plane.

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

Mates with : Samtec MIS-038 connector and MICD cable assembly
Mates with both Single-Ended Signaling (-D) and Differential Pair (-DP) Signaling type connectors.

Pitch: 0.63mm (0.025") High Speed connector

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



1.68" (42.8mm)



1.45" (37mm)

ZX137-38MIT MIT-076 pin configuration

TOP	MIT	J1									
BOTTOM											

Layer												
Bottom	Headers	J5	8	16	24	32	40	48	56	64	72	GND
			6	14	22	30	38	46	54	62	70	GND
		J4	4	12	20	28	36	44	52	60	68	76
			2	10	18	26	34	42	50	58	66	74

Top	Headers	J3	7	15	23	31	39	47	55	63	71	GND
			5	13	21	29	37	45	53	61	69	GND
		J2	3	11	19	27	35	43	51	59	67	75
			1	9	17	25	33	41	49	57	65	73

Header pin numbers refer to the SAMTEC connector pin number

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: ZX137-38MIT	
DESCRIPTION: MIT 038 38 Samtec breakout adapter test board		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1

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