

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

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

Fully compatible with :

- 1- Single Ended or Differential Pair signaling MIT 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 MIS integral ground metal blade, plane.

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

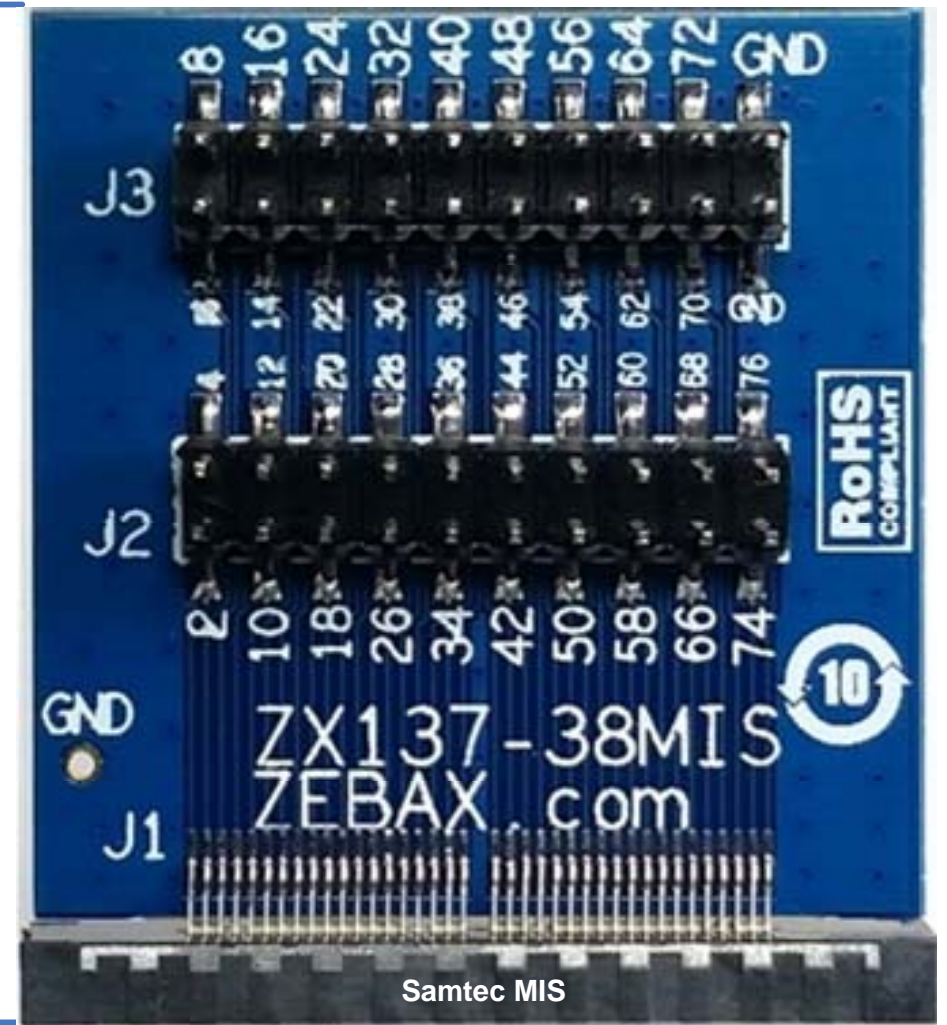
Mates with : Samtec MIS-038 connector and MICD cable assembly
Mates with both Single-Ended Signaling (-D) and Differential Pair (-DP) Signaling type connectors.

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



1.66" (42.3mm)



1.5" (38.1mm)

ZX137-38MIS MIS-076 pin configuration

TOP	MIS	J1										
BOTTOM												

Layer												
Bottom	Headers	J5	7	15	23	31	39	47	55	63	71	GND
			5	13	21	29	37	45	53	61	69	GND
	Headers	J4	3	11	19	27	35	43	51	59	67	75
			1	9	17	25	33	41	49	57	65	73

Top	Headers	J3	8	16	24	32	40	48	56	64	72	GND
			6	14	22	30	38	46	54	62	70	GND
	Headers	J2	4	12	20	28	36	44	52	60	68	76
			2	10	18	26	34	42	50	58	66	74

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

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