

**Product Name:** ZX137-19MIS Samtec Breakout Adapter, test board

**Product Description:** 19x2, totaling 38 pins Samtec breakout adapter supporting Samtec's HI-SPEED MIS Q-Strip Mixed Technology header. The ZX137-19MIS mates with host MIT-019 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-019 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



**ZX137-19MIS 038 pin configuration**

TOP	MIS	J1										
BOTTOM												
Layer												
Bottom	Headers	J3	3	7	11	15	19	23	27	31	35	GND
			1	5	9	13	17	21	25	29	33	37
Top	Headers	J2	4	8	12	16	20	24	28	32	36	GND
			2	6	10	14	18	22	26	30	34	38

Header pin numbers refer to the MIS 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: ZX137-19MIS	
DESCRIPTION: MIS 019 19 Samtec breakout adapter, test board		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1

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