

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

Product Description: 19x2, totaling 38 pins Samtec breakout adapter supporting Samtec's HI-SPEED MIT and MIS Q-Strip Mixed Technology header & Socket. The ZX137-19 mates with both MIS-019 as well as MIT-019 connectors. Ideal debugging development solution.

- Fully compatible with :**
- 1- Single Ended or Differential Pair signaling MIT & 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

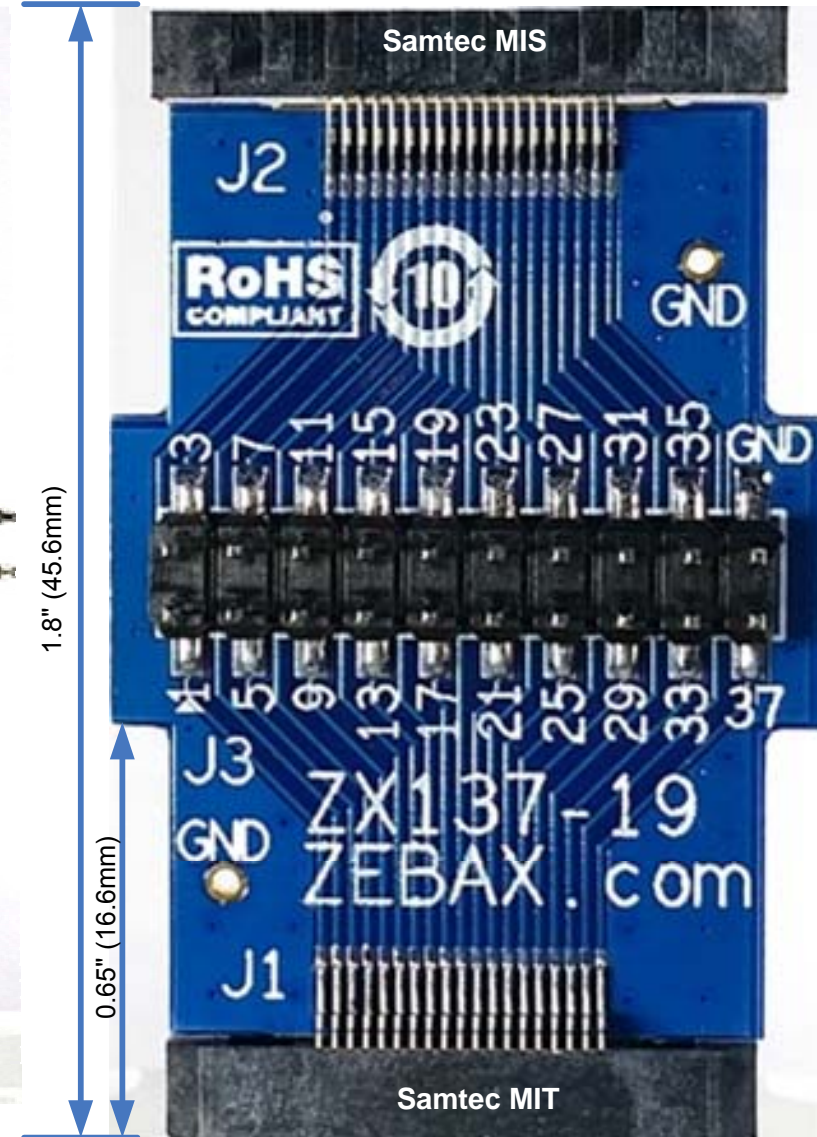
Ground , **GND**, test point – The GND test point is connected to 2 inner layers ground planes as well as the MIT & MIS integral ground metal blade, plane.

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

Mates with : Samtec MIT-019 MIS-019 connectors and MICD cable assembly
Mates with both Single-Ended Signaling (-D) and Differential Pair (-DP) Signaling type connect

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



ZX137-19 MIT-MIS-038 pin configuration

TOP	MIT	J1									
BOTTOM											

Layer	Bottom	Headers	J4	4	8	12	16	20	24	28	32	36	GND
				2	6	10	14	18	22	26	30	34	38

Layer	Top	Headers	J3	3	7	11	15	19	23	27	31	35	GND
				1	5	9	13	17	21	25	29	33	37

TOP	MIS	J2									
BOTTOM											

Header pin numbers refer to the SAMTEC connector pin number

NOTE: Pin 1 of the MIT (Header) is connected to Pin 1 of MIS (Socket), enabling target board debugging by using ZX137-19 in between Host and Target device.

Note
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX137-19	
DESCRIPTION: MIT MIS 019 19 Samtec breakout adapter test board		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1