

**Product Name:** ZX137-57MIT Samtec Breakout Adapter, test board

**Product Description:** 57x2, totaling 114 pins Samtec breakout adapter supporting Samtec's HI-SPEED MIT Q-Strip Mixed Technology header. The ZX137-57MIT mates with host MIS-057 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

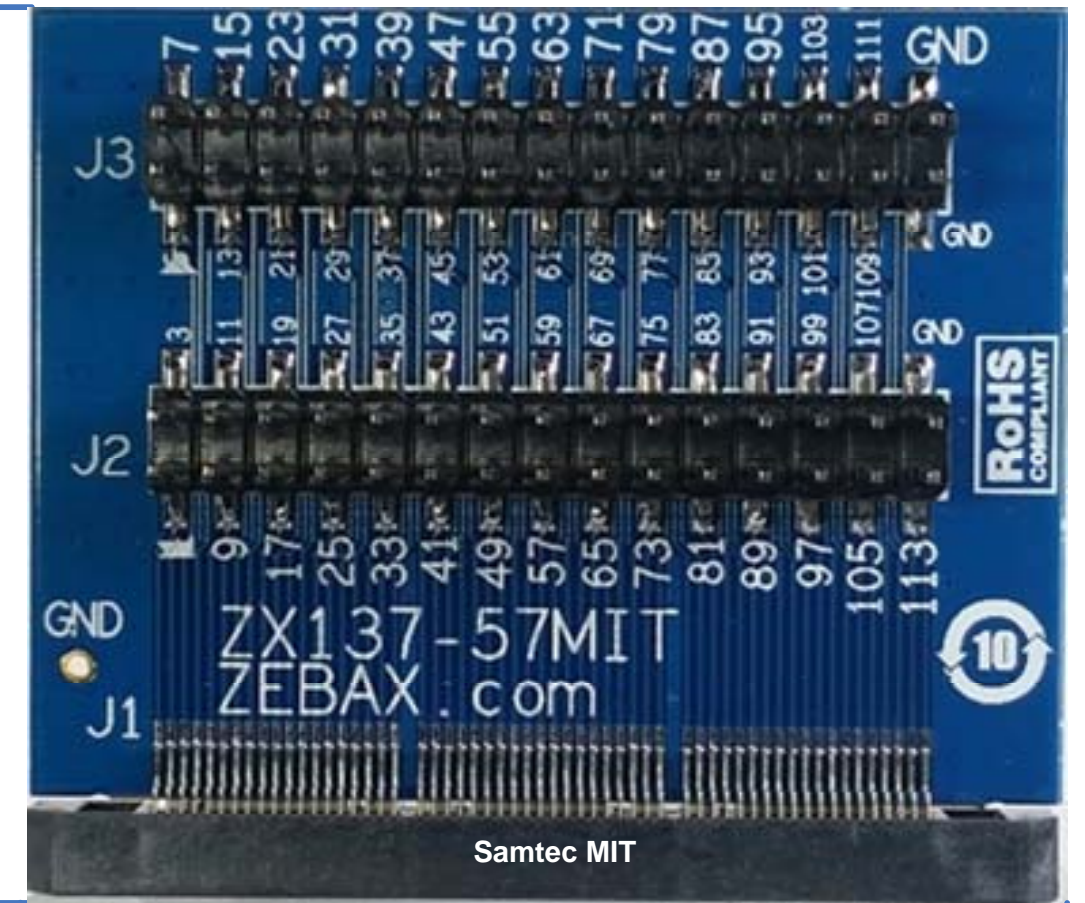
**Mates with :** Samtec MIS-057 connector and MICD cable assembly  
Mates with both Single-Ended Signaling ( -D ) and Differential Pair ( -DP ) Signaling type connectors.

**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" (42.7mm)



1.96" (49.80mm)

**ZX137-57MIT MIT-114 pin configuration**

TOP	MIT	J1														
BOTTOM																

Layer																	
Bottom	Headers	J6	8	16	24	32	40	48	56	64	72	80	88	96	104	112	GND
			6	14	22	30	38	46	54	62	70	78	86	94	102	110	GND
		J5	4	12	20	28	36	44	52	60	68	76	84	92	100	108	GND
			2	10	18	26	34	42	50	58	66	74	82	90	98	106	114

Top	Headers	J4	7	15	23	31	39	47	55	63	71	79	87	95	103	111	GND
			5	13	21	29	37	45	53	61	69	77	85	93	101	109	GND
		J3	3	11	19	27	35	43	51	59	67	75	83	91	99	107	GND
			1	9	17	25	33	41	49	57	65	73	81	89	97	105	113

Header pin numbers refer to the SAMTEC connector pin number

Note  
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SANTA CRUZ, CA U.S.A (831) 222-0717		
WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX137-57MIT	
<b>DESCRIPTION:</b> MIT 057 57 Samtec breakout adapter test board		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1