

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

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

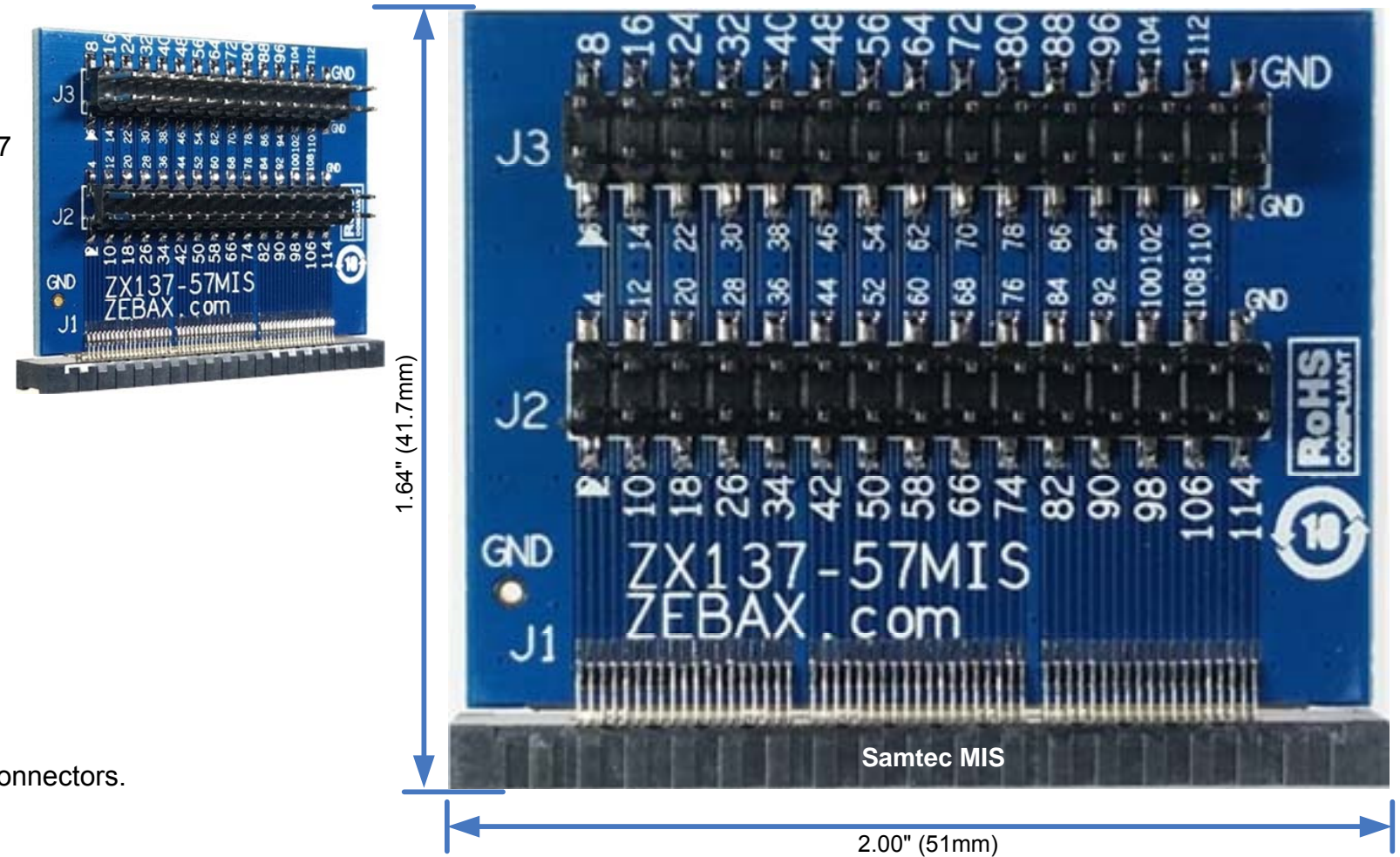
Ground , **GND**, test point – The GND test point is connected to 2 inner layers ground planes as well as the MIS integral ground metal blade, plane.

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

Mates with : Samtec MIS-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



ZX137-57MIS MIS-114 pin configuration

Layer	Header	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12	Pin 13	Pin 14	Pin 15	Pin 16
Bottom	Headers	J5	7	15	23	31	39	47	55	63	71	79	87	95	103	111	GND
		J5	5	13	21	29	37	45	53	61	69	77	85	93	101	109	GND
	Headers	J4	3	11	19	27	35	43	51	59	67	75	83	91	99	107	GND
		J4	1	9	17	25	33	41	49	57	65	73	81	89	97	105	113
Top	Headers	J3	8	16	24	32	40	48	56	64	72	80	88	96	104	112	GND
		J3	6	14	22	30	38	46	54	62	70	78	86	94	102	110	GND
	Headers	J2	4	12	20	28	36	44	52	60	68	76	84	92	100	108	GND
		J2	2	10	18	26	34	42	50	58	66	74	82	90	98	106	114

Header pin numbers refer to the SAMTEC connector pin number

Note
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

Notice

ALL ZEBAX TECHNOLOGIES DESIGN SPECIFICATIONS, DRAWINGS, PUBLICATIONS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NO INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

Information furnished is believed to be accurate and reliable. However, Zebax Technologies assumes no responsibility for the consequences of use of such information or for any infringement of patents or other rights of third parties that may result from its use. Specifications mentioned in this publication are subject to change without notice. This publication replaces all other information previously supplied. Zebax Technologies products are not authorized as in life support devices or systems.

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