

**Product Name:** ZX103-QSH-QTH060 Samtec Breakout Adapter

**Product Description:** 60pins x 2 rows, 120 pin Samtec breakout adapter – Single Ended. Offering both QSH and QTH connectors on a single breakout adapter. Designed in 4 layer PCBoard with no vias on any signal traces, improved signal integrity and crosstalk.

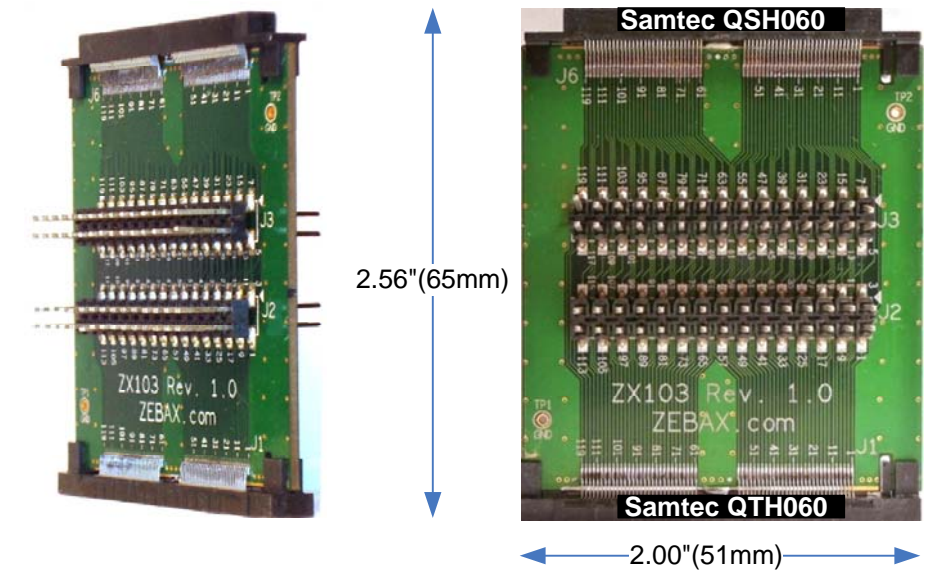
GND test point for direct connection.

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

**Mates with :** Samtec QTH060 QSH060 QTH040(DP) QSH040(DP) - Also mates with ANY two banks of QSH/QTH : QTH090 QTH120 : QTH040(DP) QTH080(DP) HFHM2, HQCD HQDP  
Compatible with – differential Pair (DP), unused signal can be left unconnected or Grounded for improved noise immunity.

**Pitch:** 0.50mm (0.0197") High Speed connector

**Headers:** 0.1" (2.54mm) center, 0.025" SQ with 0.32" (8.13mm) post height



**NOTE:** Pin 1 of the Plug ( Header ) is connected to Pin 1 of Socket ( Receptacle ), enabling target board debugging by using ZX103 in between Host and Target device..

ZX103-QSHQTH060 pin configuration																	
TOP	QTH	J6	119, .. 9, 7, 5, 3, 1														
BOTTOM			120, .. 10, 8, 6, 4, 2,														
Layer																	
Bottom	Headers	J5	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120
			6	14	22	30	38	46	54	62	70	78	86	94	102	110	118
		J4	4	12	20	28	36	44	52	60	68	76	84	92	100	108	116
			2	10	18	26	34	42	50	58	66	74	82	90	98	106	114
Top	Headers	J3	119	111	103	95	87	79	71	63	55	47	39	31	23	15	7
			117	109	101	93	85	77	69	61	53	45	37	29	21	13	5
		J2	115	107	99	91	83	75	67	59	51	43	35	27	19	11	3
			113	105	97	89	81	73	65	57	49	41	33	25	17	9	1
TOP	QSH	J1	119, .. 9, 7, 5, 3, 1														
BOTTOM			120 .. 10, 8, 6, 4, 2														
			Marked red pin on J2, J3, J4, J5 are Pin #1 of the associated header.														
			Matching QSH & QTh pin 1 polarity														

Note  
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX103-QSH-QTH060	
DESCRIPTION: Samtec breakout adapter QSH QTH 060		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1

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