

Product Name: ZX140-QTS-QSS-025 Samtec Breakout Adapter

Product Description: 25x2, 50 pins Samtec breakout adapter (test board) supporting Samtec's HI-SPEED Header / Socket QTS / QSS connector series.

- Designed in 4 layer PCBoard
- No via on any signal traces
- Improved signal integrity and crosstalk.
- Matching connector's 50Ω impedance – Reference plane impedance 50Ω for DC to 8GHz bandwidth applications

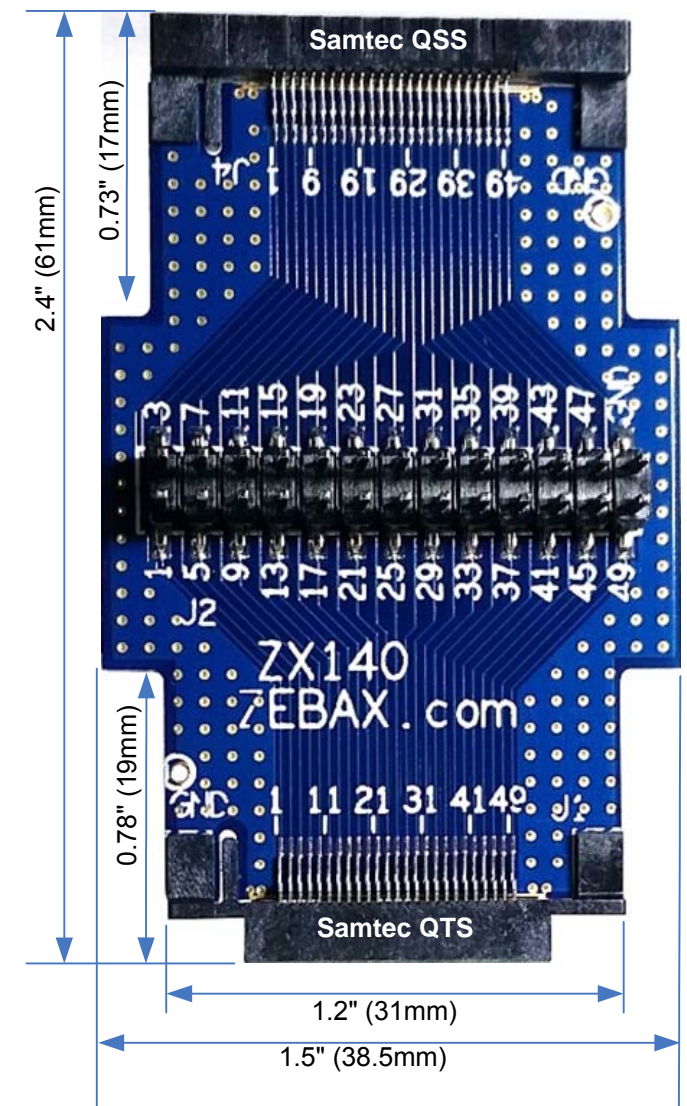
GND test point for easy access
The GND test point is connected to 2 inner layer GND planes as well as top/bottom GND fills

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

Mates with : Samtec QTS-025 QSS-025 connectors, SQCD cable assembly and any 1 banks of QTS-050 QTS-075 QTS100 QTS-050 QSS-075 or QSS-100 connectors.

Pitch: 0.635mm (0.025") High Speed connector

Headers: 0.1" (2.54mm) center, 0.025" (0.64mm) SQ with 0.23" (5.6mm) post height



ZX140-QTS-QSS-025 pin configuration

TOP	QSS	J4													
BOTTOM															

Layer		Header	J2	3	7	11	15	19	23	27	31	35	39	43	47	GND
Top	Header	J2		1	5	9	13	17	21	25	29	33	37	41	45	49

Bottom	Header	J3		2	6	10	14	18	22	26	30	34	38	42	46	50
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TOP	QTS	J1													
BOTTOM															

Pin 1 of QSS is connected to Pin 1 of QTS

NOTE: Pin 1 of the QTS (Header) is connected to Pin 1 of QSS (Socket), enabling target board debugging by using ZX140-QTS-QSH-025 in between Host and Target device.

Ordering INFO:
Part Number
ZX140-QTS-QSS-025

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: ZX140-QTS-QSS-025	
DESCRIPTION: Samtec breakout adapter QTS QSS 025 test board		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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