

**Product Name:** ZX140QTS Samtec QTS 025 Breakout Adapter

**Product Description:** 25x2, 50 pins Samtec breakout adapter ( test board ) supporting Samtec's HI-SPEED Header QTS connector series. All Samtec QTS pins accessible via onboard J2, J3 header pins.

- 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 QSS-025 connector, SQCD cable assembly and any 1 banks of QSS-050 QSS-075 or QSS100 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

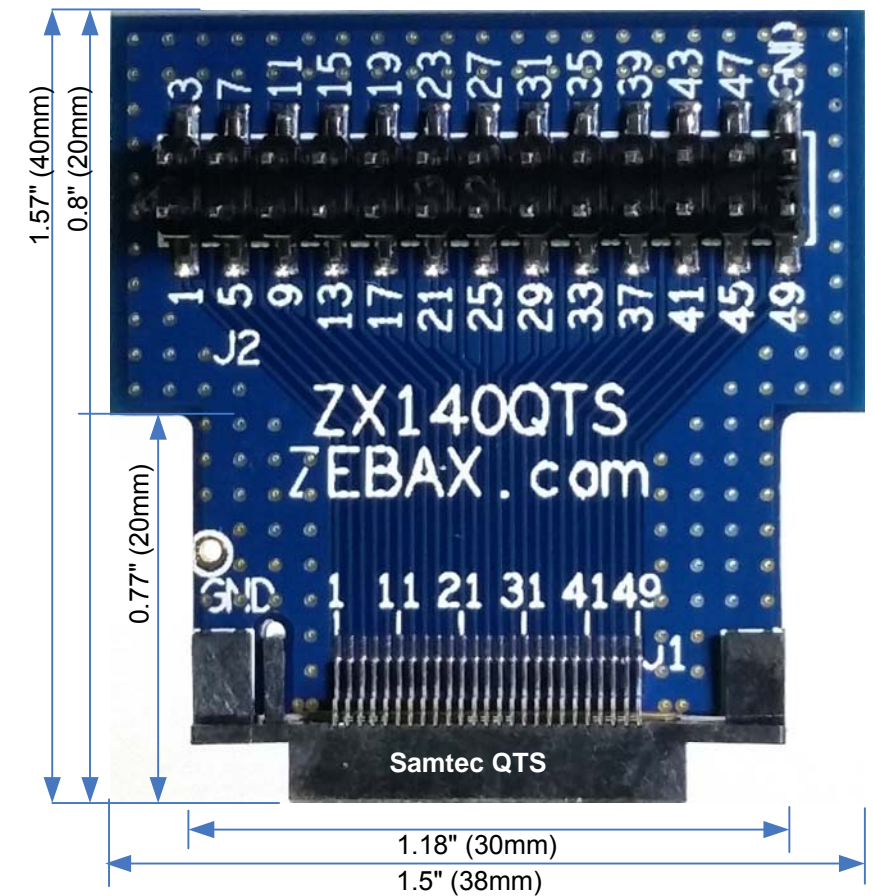
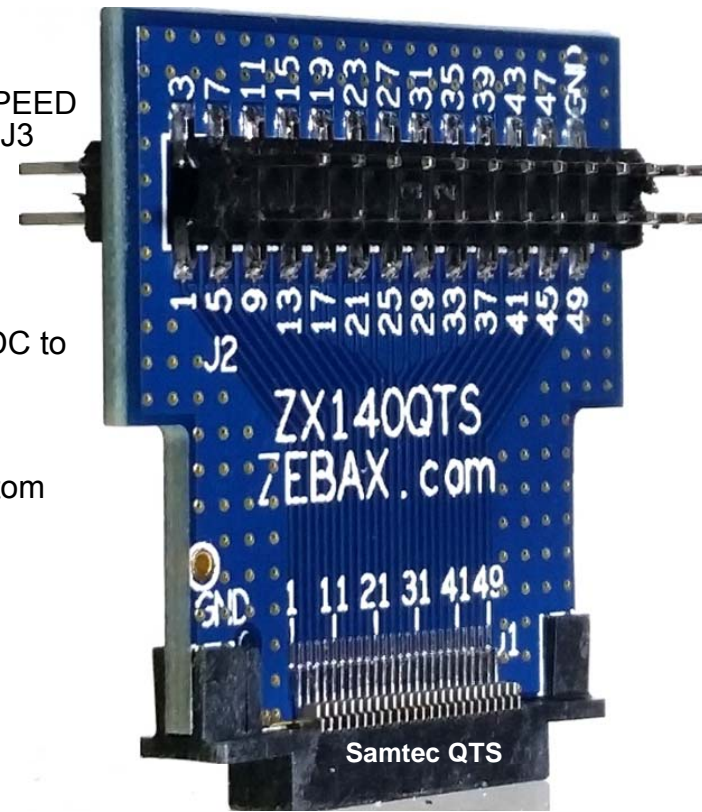
**ZX140QTS pin configuration**

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

Bottom	Header	J3	4	8	12	16	20	24	28	32	36	40	44	48	GND
			2	6	10	14	18	22	26	30	34	38	42	46	50

TOP	QTS	J1												
BOTTOM														

ZX140QTS-25-RA : Right Angle header ( Standard)



**NOTE:** The Mating Host must have onboard **Samtec QSS** type connector( Socket / Receptacle ).

Ordering INFO:  
Part Number  
ZX140QTS-25-X option  
RA : Right Angel header ( Standard )  
ST : Straight header

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: ZX140QTS
DESCRIPTION: Samtec QTS 025 breakout adapter		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1