Product Name: **ZX140QSS Samtec QSS 025 Breakout Adapter**

Product Description: 25x2, 50 pins Samtec breakout adapter (test board) supporting Samtec's HI-SPEED Header QSS connector series. All Samtec QSS 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 QTS-025 connector, SQCD cable assembly
and any 1 banks of QTS-050 QTS-075 or QTS100 connectors.

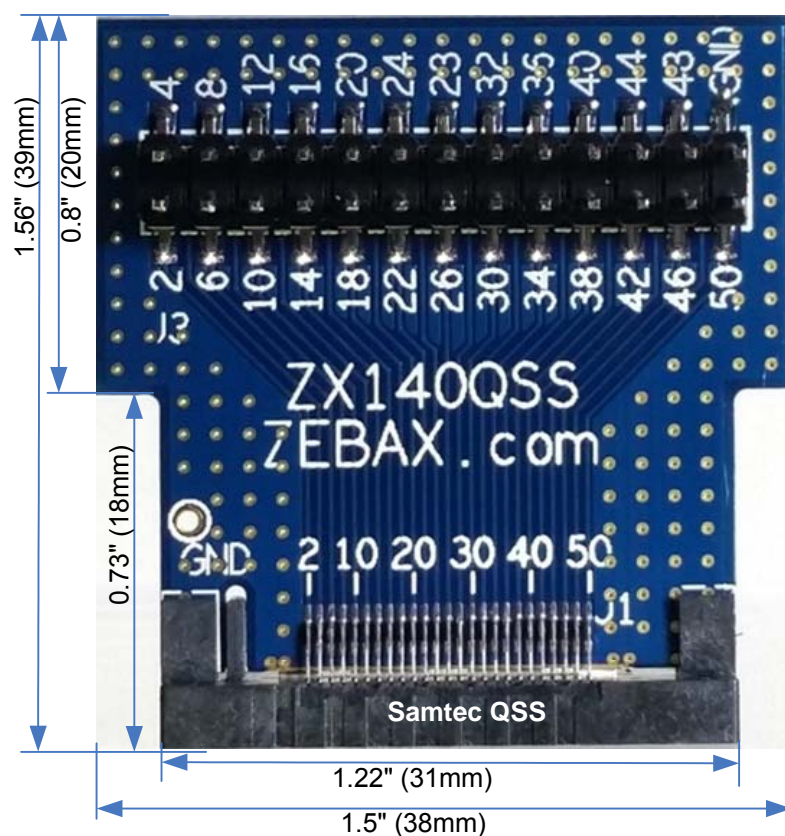**Pitch:** 0.635mm (0.025") High Speed connector

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

Samtec QSS

Samtec QSS

1.56" (39mm)
0.8" (20mm)
0.73" (18mm)
1.22" (31mm)
1.5" (38mm)

NOTE: The Mating Host must have onboard **Samtec QTS** type connector (Header).

Ordering INFO:
Part Number
ZX140QSS-25-X options
RA: Right Angel header (Standard)
ST: Straight header

ZX140QSS pin configuration

Layer															
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 BOTTOM	QSS	J1													

ZX140QSS-25-RA : Right Angle header (Standard)
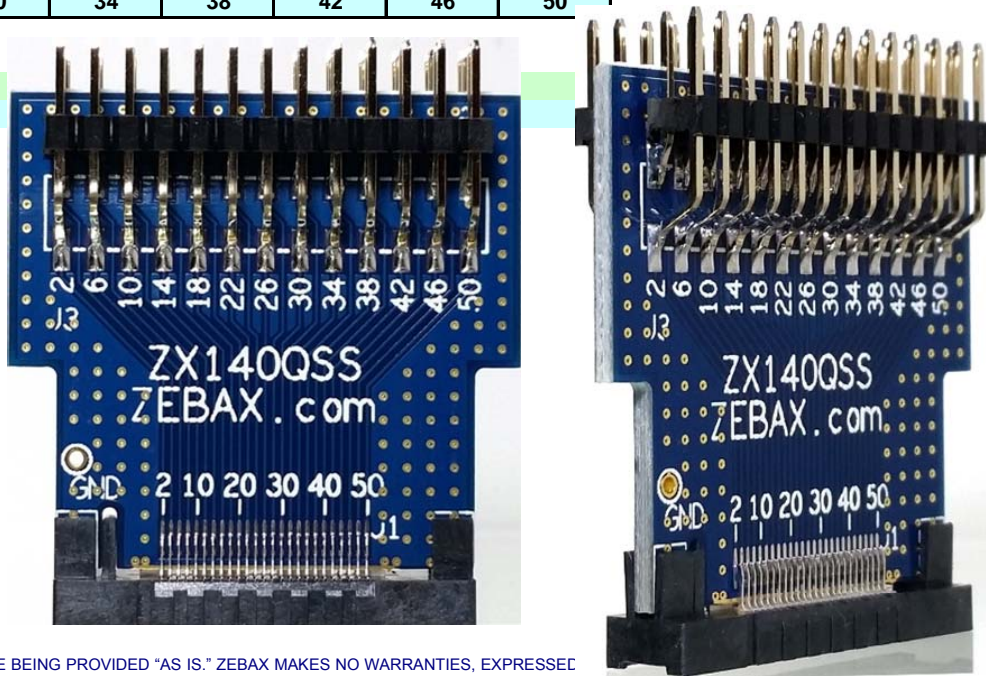
ZEBAX TECHNOLOGIES
SANTA CRUZ, CA U.S.A (831) 2 2 2 – 0717
WWW.ZEBAX.COM

SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT

ASSEMBLY DRAWING
ITEM: ZX140QSS

DESCRIPTION: Samtec QSS 025 breakout adapter

CHECKED: M. MARINA
DRAWN: SLAVIK
REVISSION: 1.0
SHEET: 1 OF 1