

Product Name: ZX148-QTE-QSE-080 Samtec Breakout Adapter

Product Description: 80x2, 160 pins Samtec breakout adapter supporting Samtec's HI-SPEED Header / Socket QTE / QSE Q-Strip Blade & Beam Design connectors.

Fully compatible with 56x2 112 pins differential pairs, -DP

- 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

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

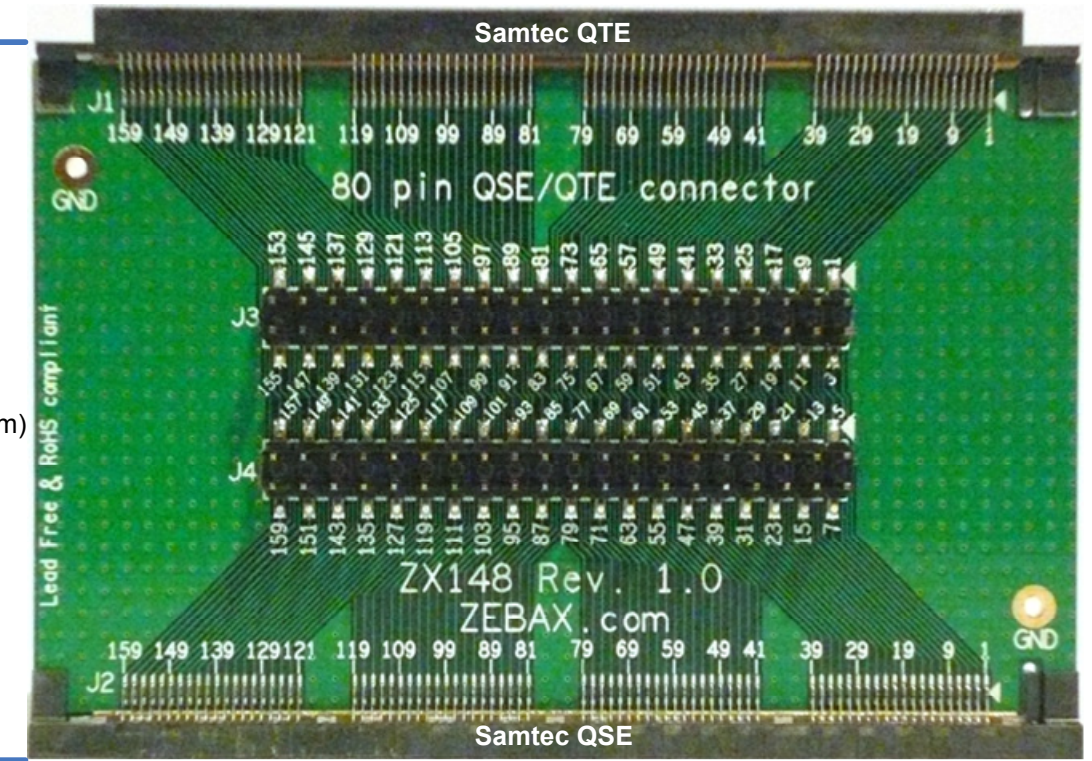
Mates with : Samtec QTE-080-L-D QSE-080-L-D QTE-056-01-DP QSE-056-01-DP connectors
EQCD EQSD EQDP EQRF cable assembly

Pitch: 0.80mm (0.0315") High Speed connector

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



2.25"(57mm)



3.16" (80mm)

ZX148-QTE-QSE-080 pin configuration

TOP		BOTTOM		Layer																		
QTE		J6																				
Bottom	Headers	J5	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160
			6	14	22	30	38	46	54	62	70	78	86	94	102	110	118	126	134	142	150	158
Bottom	Headers	J4	4	12	20	28	36	44	52	60	68	76	84	92	100	108	116	124	132	140	148	156
			2	10	18	26	34	42	50	58	66	74	82	90	98	106	114	122	130	138	146	154
Top	Headers	J3	7	15	23	31	39	47	55	63	71	79	87	95	103	111	119	127	135	143	151	159
			5	13	21	29	37	45	53	61	69	77	85	93	101	109	117	125	133	141	149	157
Top	Headers	J2	3	11	19	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147	155
			1	9	17	25	33	41	49	57	65	73	81	89	97	105	113	121	129	137	145	153
TOP		BOTTOM		Labeled header pin number refers to QTE / QSE pin.																		
QSE		J1		Pin 1 of QSE is connected to Pin 1 of QTE																		

NOTE: Pin 1 of the QTE (Header) is connected to Pin 1 of QSE (Socket), enabling target board debugging by using ZX147 in between Host and Target device.

Note
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX148-QTE-QSE-080	
DESCRIPTION: Samtec breakout adapter QTE QSE 080		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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