

Product Name: ZX155-078-PC4-QMS-QFS Samtec Breakout Adapter

Product Description: 078pins x 2 rows, 156 pin Samtec breakout adapter – Single Ended. Offering both QMS and QFS -PC4 connectors on a single breakout adapter. Designed in 4 layer PCBoard with full access to all 156+8 PC4 power signals.

The Samtec GND pins are connected to the modules top/bottom fill & 2 inner GND planes for reduced crosstalk, xtalk, and improved signal integrity.

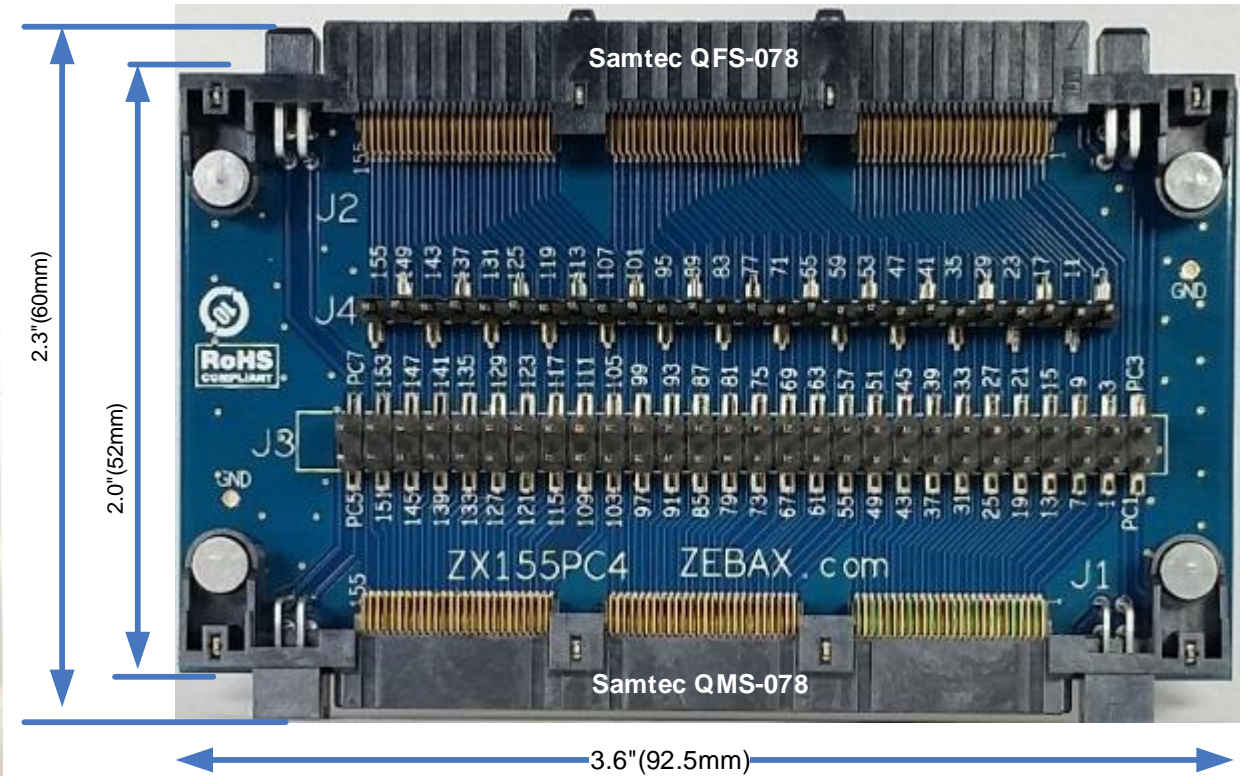
GND test point for direct connection.

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

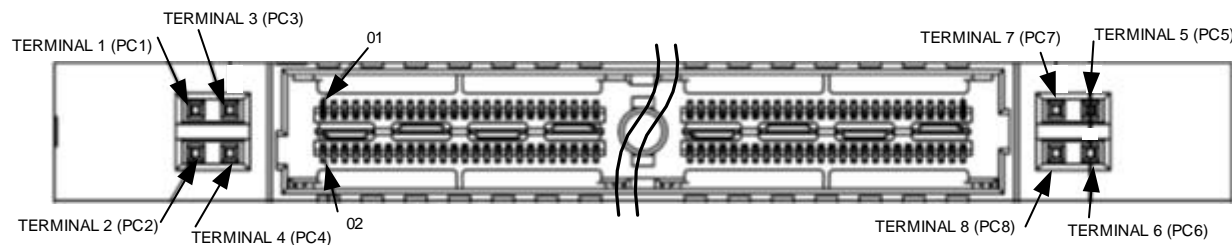
Mates with : Samtec QMS-078-PC4 QFS-078-PC4 -PC4 option

Pitch: 0.635mm (0.025") High Speed connector

Headers: 0.1" (2.54mm) center, 0.025" SQ with 0.22" (5.58mm) post height



QMS/QFS PC4 terminal (PC1 .. PC8) assignments – front view - 2 bank connector is shown



NOTE: Pin 1 of the QMS-PC4 (J1-Header) is connected to Pin 1 of QFS-PC4 (J2-Receptacle)

ZX 155-078-PC4-QMS-QFS pin configuration

Top	Header	J4	155	149	143	137	131	125	119	113	107	101	95	89	83	77	71	65	59	53	47	41	35	29	23	17	11	5	
	J3	PC7	153	147	141	135	129	123	117	111	105	99	93	87	81	75	69	63	57	51	45	39	33	27	21	15	9	3	PC3
		PC5	151	145	139	133	127	121	115	109	103	97	91	85	79	73	67	61	55	49	43	37	31	25	19	13	7	1	PC1
Bottom	Header	J6	156	150	144	138	132	126	120	114	108	102	96	90	84	78	72	66	60	54	48	42	36	30	24	18	12	6	
	J5	PC8	154	148	142	136	130	124	118	112	106	100	94	88	82	76	70	64	58	52	46	40	34	28	22	16	10	4	PC4
		PC6	152	146	140	134	128	122	116	110	104	98	92	86	80	74	68	62	56	50	44	38	32	26	20	14	8	2	PC2

Header pin numbers refer to the SAMTEC connector pin number



Note
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SPECIFIED DIMENSIONS ARE INCHES (MMD). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX155-078-PC4-QMS-QFS	
DESCRIPTION: Samtec breakout adapter 078 PC4 QMS QFS		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1