

**Product Name:** ZX154-052-PC4-QMS-QFS Samtec Breakout Adapter

**Product Description:** 52pins x 2 rows, 104 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 104+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.

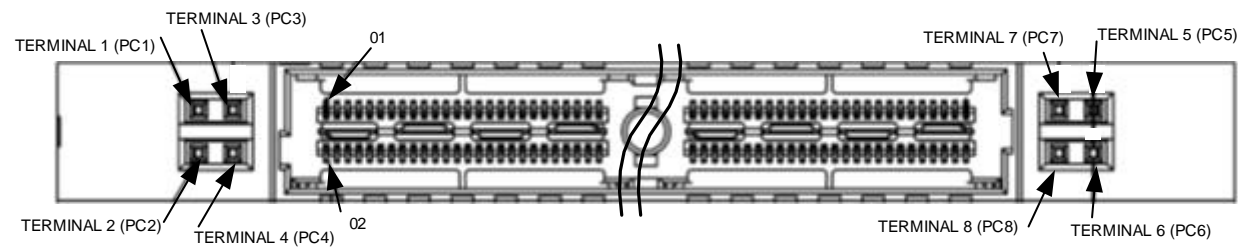
**Application:** Bringup, testing, emulation, development, modular design evaluations

**Mates with :** Samtec QMS-052-PC4 QFS-052-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

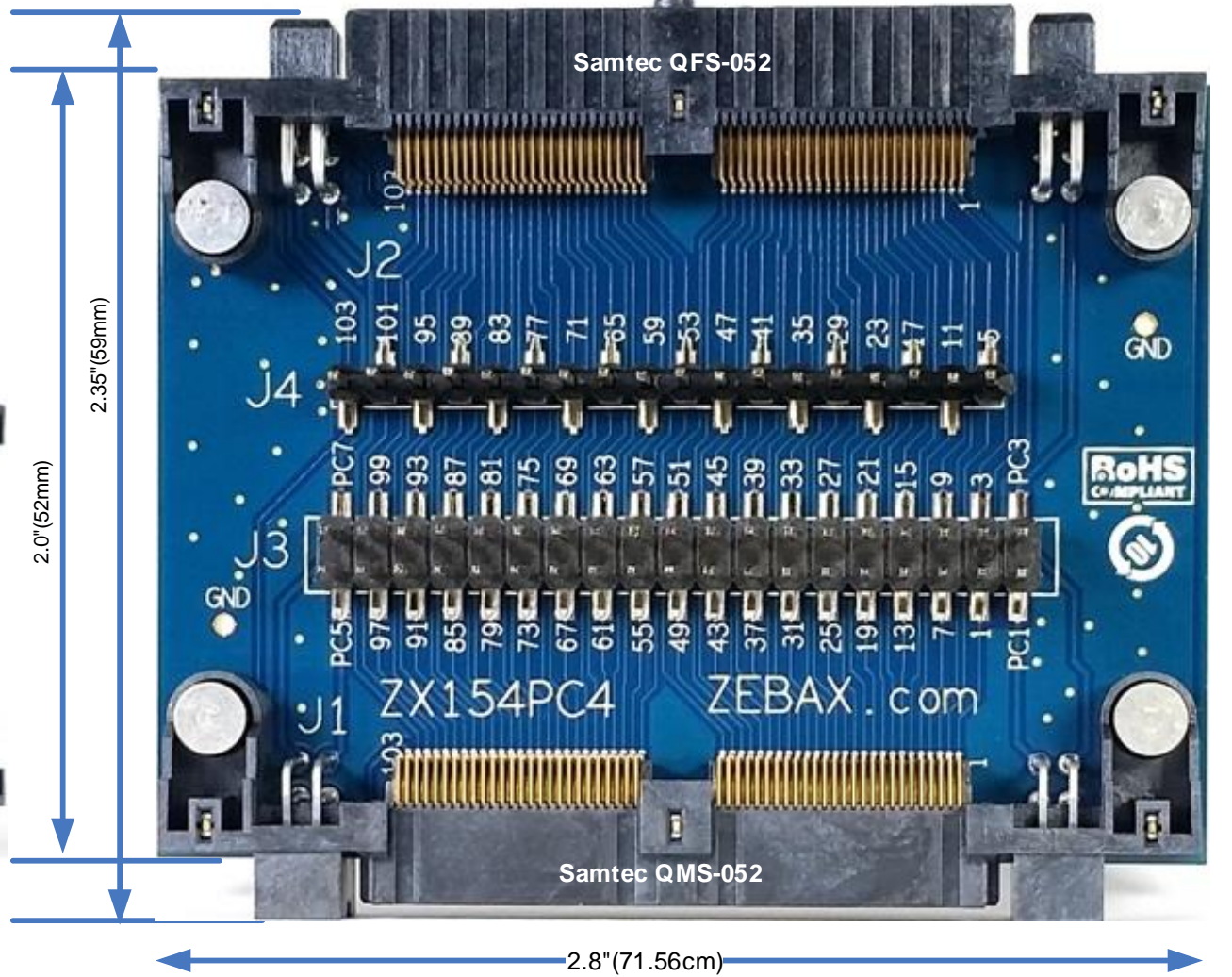


**ZX154-052-PC4-QMS-QFS pin configuration**

Top	Headers	J4	103	101	95	89	83	77	71	65	59	53	47	41	35	29	23	17	11	5	
		J3	PC7	99	93	87	81	75	69	63	57	51	45	39	33	27	21	15	9	3	PC3
			PC5	97	91	85	79	73	67	61	55	49	43	37	31	25	19	13	7	1	PC1

Bottom	Headers	J6	104	102	96	90	84	78	72	66	60	54	48	42	36	30	24	18	12	6	
		J5	PC8	100	94	88	82	76	70	64	58	52	46	40	34	28	22	16	10	4	PC4
			PC6	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:** Pin 1 of the QMS-PC4 ( J1-Header ) is connected to Pin 1 of QFS-PC4 ( J2-Receptacle )

Note  
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SPECIFIED DIMENSIONS ARE INCHES (MMD). ROHS COMPLIANT

**ASSEMBLY DRAWING**  
ITEM: ZX154-052-PC4-QMS-QFS

**DESCRIPTION:** Samtec breakout adapter 052 PC4 QMS QFS

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