

**Product Name:** ZX155-078-QMS-N Samtec Breakout Adapter, mating with **all** QFS and QFSS connector options.

**Product Description:** 078pins x 2 rows, 156 pin Samtec breakout adapter – Single Ended. Offering QMS connector on a single breakout adapter. Designed in 4 layer PCBoard with full access to all 156 signals.

*This module mates with all types of QFS-078 QFSS-078 connector types. Both Single ended ( -D ) and Differential Pair ( -DP ) signaling connector types are supported.*

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

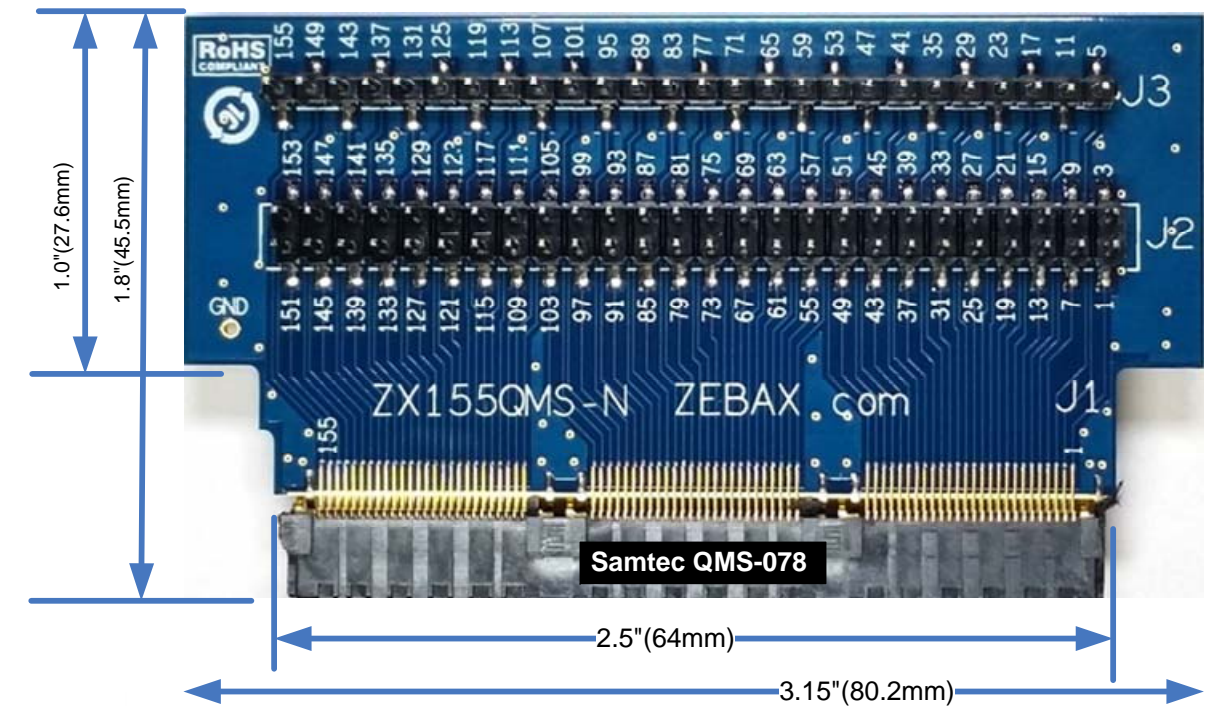
GND test point for direct connection.

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

**Mates with :** Samtec QFS-078 QFS-048 QFS-078-PC4 -PC8 -RA -EM2 -RF1 -GP -D -DP QFSS-078 QFSS-048

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

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



**Note:**  
1- Both Single ended ( -D ) and Differential Pair signaling ( -DP ) connector types are supported.

**ZX155-078-QMS-N pin configuration**

Top	Headers	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	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
		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	

Bottom	Headers	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	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
		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	

Header pin numbers refer to the SAMTEC connector pin number

Note  
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	<b>ASSEMBLY DRAWING</b>	
ITEM: ZX155-078-QMS-N		
<b>DESCRIPTION: Samtec breakout adapter 078 QMS Narrow</b>		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1