

**Product Name:** ZX108-QTH120 Samtec Breakout Adapter

**Product Description:** 120pins x 2 rows, 240 pin Samtec breakout adapter - Single ended. Designed in 4 layer PCBoard with no vias on any signal traces, improved signal integrity and crosstalk.

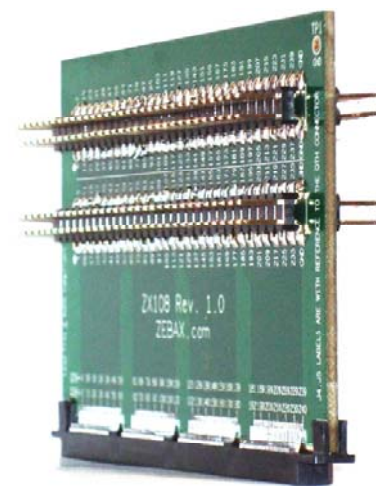
GND test point for direct connection.

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

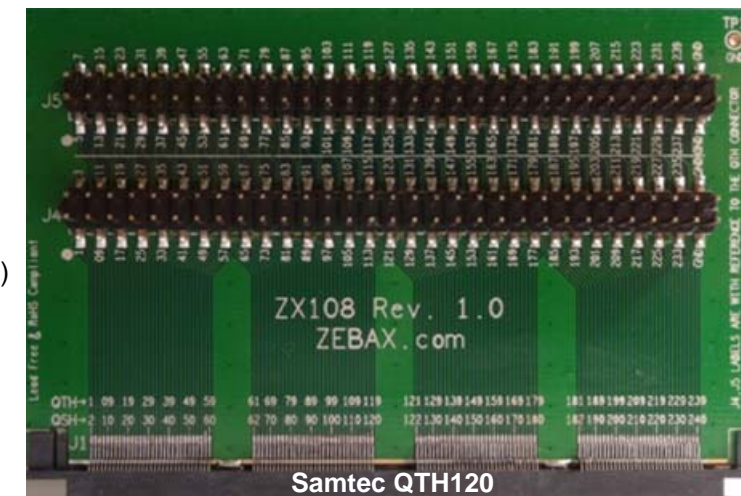
**Mates with :** Samtec QSH120 QSH080(DP)  
HFHM2 HQCD HQDP  
Compatible with – differential Pair (DP), unused signal can be left unconnected or Grounded for improved noise immunity.

**Pitch:** 0.50mm (0.0197") High Speed connector

**Headers:** 0.1" (2.54mm) center, 0.025" SQ with 0.32" (8.13mm) post height



2.375"(60mm)



3.51"(89mm)

**ZX108-QTH120 pin configuration**

Layer																																																																																			
Bottom	Headers	J3	GND	239	231	223	215	207	199	191	183	175	167	159	151	143	135	127	119	111	103	95	87	79	71	63	55	47	39	31	23	15	7																																																		
			GND	237	229	221	213	205	197	189	181	173	165	157	149	141	133	125	117	109	101	93	85	77	69	61	53	45	37	29	21	13	5																																																		
		J2	GND	235	227	219	211	203	195	187	179	171	163	155	147	139	131	123	115	107	99	91	83	75	67	59	51	43	35	27	19	11	3																																																		
			GND	233	225	217	209	201	193	185	177	169	161	153	145	137	129	121	113	105	97	89	81	73	65	57	49	41	33	25	17	9	1																																																		
Top	Headers	J5	7	15	23	31	39	47	55	63	71	79	87	95	103	111	119	127	135	143	151	159	167	175	183	191	199	207	215	223	231	239	GND																																																		
			5	13	21	29	37	45	53	61	69	77	85	93	101	109	117	125	133	141	149	157	165	173	181	189	197	205	213	221	229	237	GND																																																		
		J4	3	11	19	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147	155	163	171	179	187	195	203	211	219	227	235	GND																																																		
		1	9	17	25	33	41	49	57	65	73	81	89	97	105	113	121	129	137	145	153	161	169	177	185	193	201	209	217	225	233	GND																																																			
TOP	QTH	J1																												1, 3, 5, 7, 9, .. 239																																																					
BOTTOM																														2, 4, 6, 8, 10, .. 240																																																					

Marked **red** pin on J2, J3, J4, J5 are Pin #1 of the associated header.

Note  
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX108-QTH120	
DESCRIPTION: <b>Samtec breakout adapter QTH 120</b>		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: <b>1.0</b> SHEET: <b>1 OF 1</b>