

Product Name: ZX110H Mictor Breakout Adapter Plug Receptacle Header

Product Description: Mictor breakout adapter test module with one onboard Mictor Plug, two Mictor receptacles and header. ZX110H is designed for test & debugging purposes using either oscilloscope or Logic Analyzer test equipment. Ideal solution for inline testing of add-in card (module). All Mictor connector signals are available on the headers.
Designed in 4 layers PCBoard with improved signal integrity and crosstalk.

The 2 inner pcb layers are Ground plane connected to the Mictor GND blade (tab) as well as to the GND test point.

All the Mictor connector pins are connected pin to pin configuration where pin x of J1 is connected to J2 pin x and J3 pin x respectively – x is 1 through 38.

J1.pin1 → J2.pin1 → J3.pin1

....

J1.pin38 → J2.pin38 → J3.pin38

ZX110H mates with any height Mictor Plug or Receptacle (socket).

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

Mates with : Any Tyco's 38 pin Mictor Plug or Socket offered at any height
2-767004-2 767096-8 767096-1 767110-1 767114-1 767114-8 767181-1 767054-1 767171-1 767081-1 767115-1
2-5767004 5767096-8 5767096-1 5767110-1 5767114-1 5767114-8 5767181-1 5767054-1 5767171-1 5767081-1
5767115-1 767130-1 767146-1 767146-8 767094-1 767178-1 767178-8 767154-1 767153-8 767095-1
5767130-1 5767146-1 5767146-8 5767094-1 5767178-1 1761316-8 5767154-1 5767153-8 5767095-1

767044-1 767007 767056 767111 767116 767117 767118 767119 5767006 5767044
Agilent 5346-6002 E5339A E5334A E5351A E5346-6002 E5346-63201

Pitch: 0.64mm (0.025") centerline contact spacing connector, Legacy Mictor - High Speed connector

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

Test Point	Mictor pin #	Duplicate pin # at header
GND	center blade	Ground

GND TP is connected to Mictor's GND center blade (tab) as well as 2 internal ground planes.

ZX110H Header pin configuration

TOP	Mictor_Receptack	J3	1, 3, 5, 7, 9, .. 37
BOTTOM			2, 4, 6, 8, 10, .. 38

Layer		3	7	11	15	19	23	27	31	35	GND
TOP	top-header										
		1	5	9	13	17	21	25	29	33	37

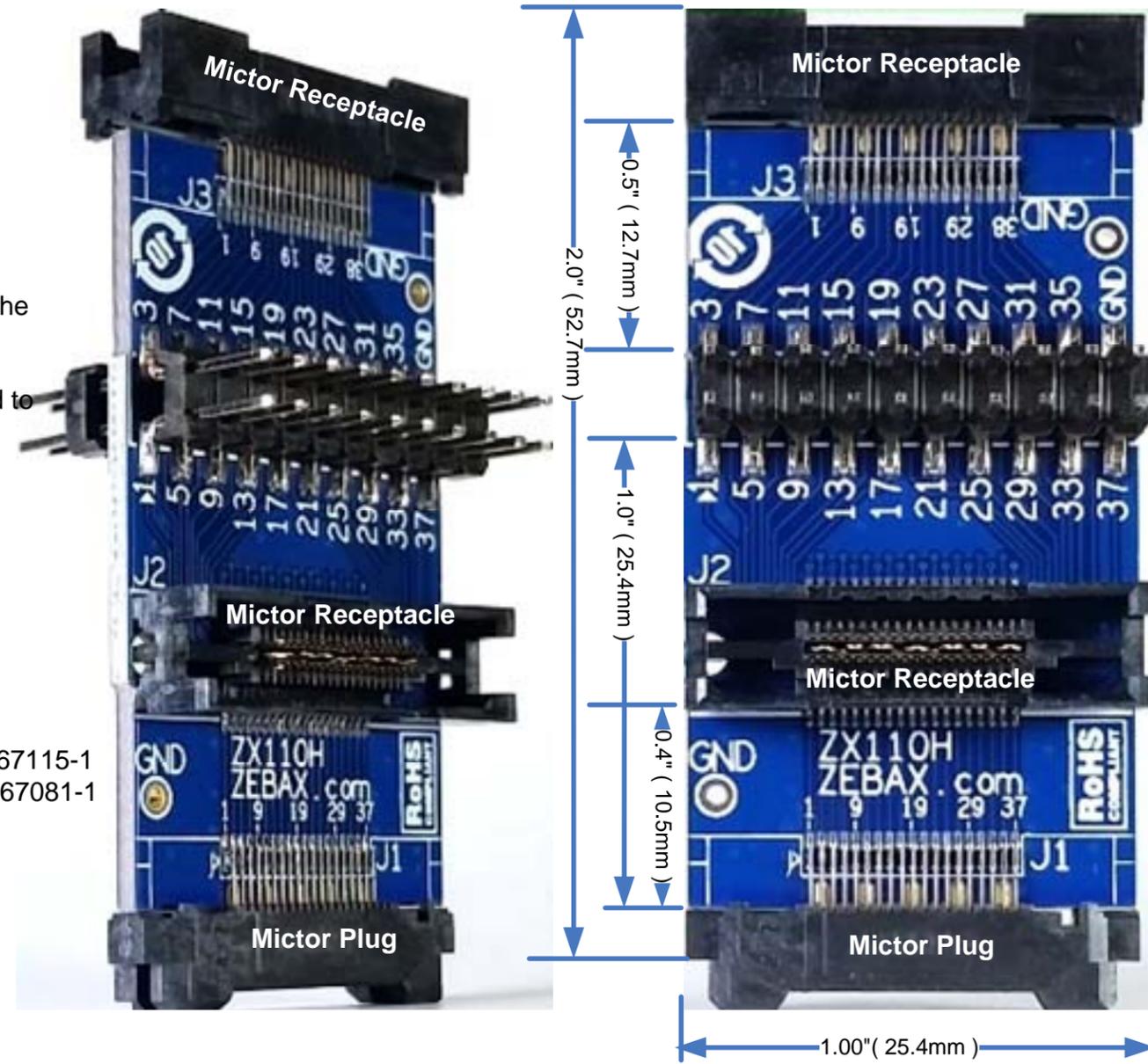
TOP	Mictor_Receptack	J2	1, 3, 5, 7, 9, .. 37
BOTTOM			2, 4, 6, 8, 10, .. 38

TOP	Mictor_Plug	J1	1, 3, 5, 7, 9, .. 37
BOTTOM			2, 4, 6, 8, 10, .. 38

Layer		4	8	12	16	20	24	28	32	36	GND
BOTTOM	bottom-header										
		2	6	10	14	18	22	26	30	34	38

Header numbering refers to the Mictor's pin number

"GND" header pins are connected to the 2 internal ground planes, Mictor GND blade and the pcb's top/bottom GND fills.



NOTE: Pin 1 of the Plug is connected to Pin 1 of Receptacles.
ZX110H enables interface to Logic Analyzer and scope.

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: ZX110H	
DESCRIPTION: Mictor breakout adapter test module Plug Receptacle header		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1

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