

Product Name: ZX104L-38-PLUG Mictor Breakout Adapter interfacing with Logic Analyzer , flying probe

Product Description: Mictor breakout adapter , test module , with onboard Mictor Plug 38 (pin 2rows 19 pins) Tyco/AMP/TE connector. Designed for general test and measurement of electronic designs with improved signal integrity and crosstalk. Ideal design, offering Logic Analyzer as well as flying probe signal assignments. ZX104L Mictor breakout adapter is offered in Right Angle (RA) and Straight (ST) header configuration. The base PCB is identical for both assemblies.

- 50 Ω trace impedance
- 4 layers PCBoard design
- No via on any signal traces
- Improved signal integrity and crosstalk.
- GND test point is connected to 2 inner GND PCB layers along with Mictor connector's GND center tab (Blade) Ideal GND interface to device under test, DUT, and test equipment

.In addition to ALL Mictor signal being available at header, **dedicated** test points for I2C-SDA, I2C-SCL, +5V, GND is provided for direct connection

Application: Bringup, testing, emulation, characterization, test automation, development, design evaluations, DDR qualification

Mates with : Any Tyco's 38 pin (2 rows 19 pins/row) Mictor 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 0.228" (5.8mm) post height

ZX104L- Mictor 38 Plug pin configuration

Layer		3	GND	9	13	17	21	25	29	33	37
TOP	J2	VG		D14	D12	D10	D8	D6	D4	D2	D0
		1	5	7	11	15	19	23	27	31	35
		5V	CLKE	D15	D13	D11	D9	D7	D5	D3	D1
TOP	Mictor_Plug	J1					1, 3, 5, 7, 9, .. 37				
BOTTOM							2, 4, 6, 8, 10, .. 38				
BOTTOM	J3	4	6	8	12	16	20	24	28	32	36
		DA	CLKO	O15	O13	O11	O9	O7	O5	O3	O1
		2	GND	10	14	18	22	26	30	34	38
		CK		O14	O12	O10	O8	O6	O4	O2	O0

Header numbering refers to the Mictor's pin number
 "GND" header pins are connected to the 2 internal ground layers as well as top/bottom GND fills.

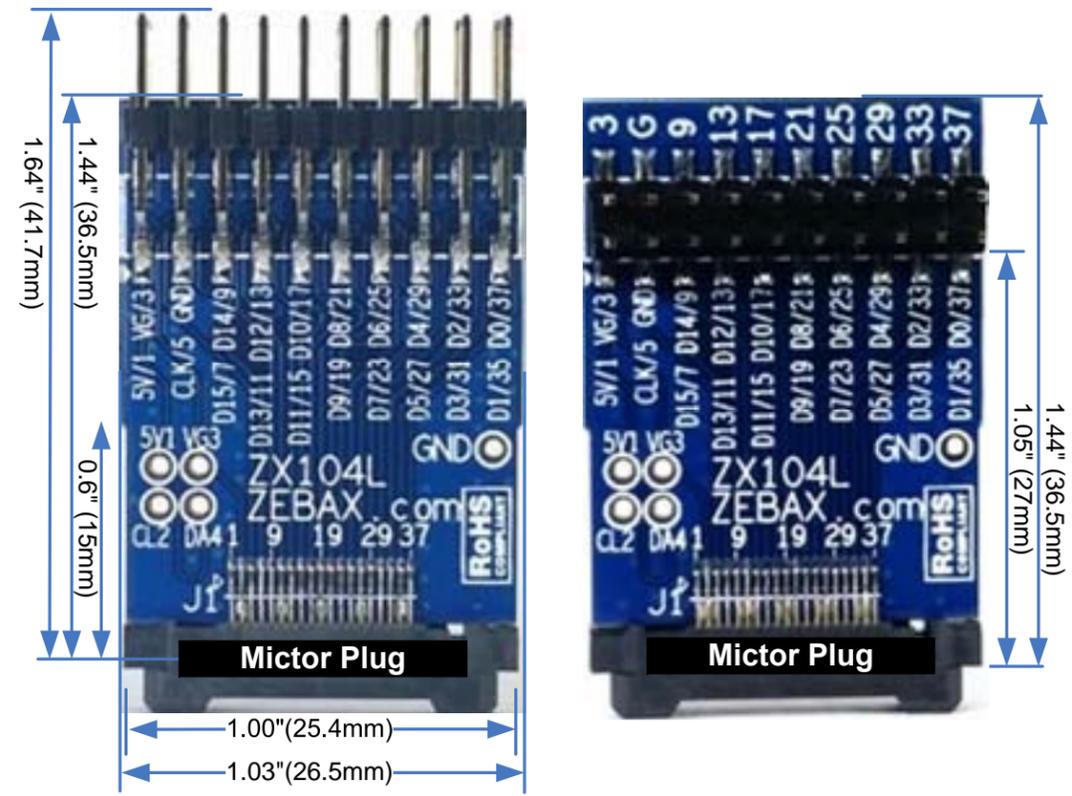


Header is assigned to Mictor pin #1
 Mictor standard naming convention for use with Logic Analyzer

Notice

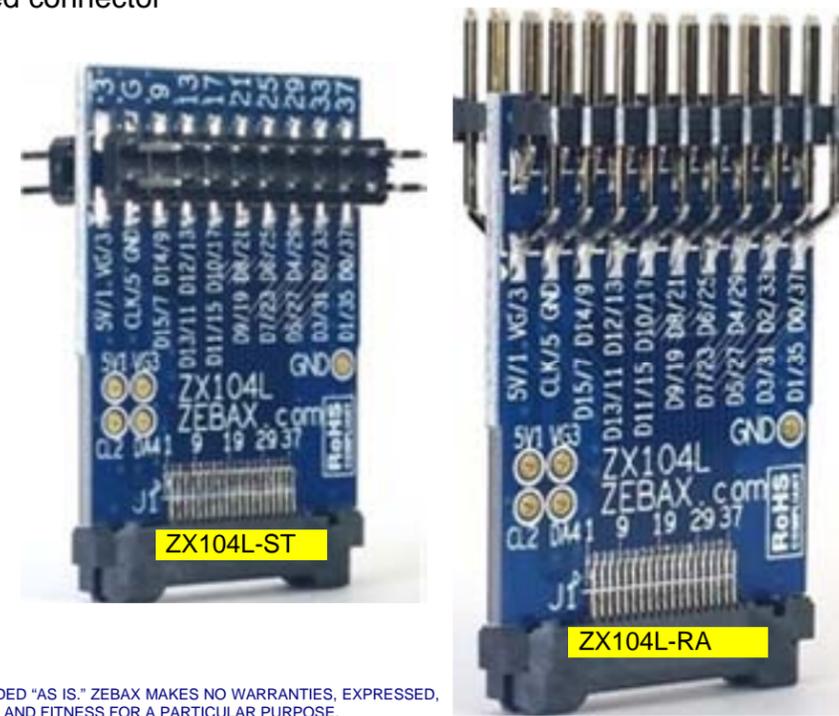
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Test Point	Mictor pin #	Duplicate pin # at header	Function*
DA 4	4	SDA/4	I2C Data
CL2	2	SCL/2	I2C Clock
VG3	3	VG/3	Ground
5V1	1	5V/1	Supply
GND	center TAP	GND	

*** Reserved specific board design function, not applicable to all designs.
 GND TP is connected to Mictor's GND center tap as well as 2 internal ground planes.



Ordering INFO:
 Part Number
 ZX104L-X options
 RA : Right Angle header
 ST : Straight 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: ZX104L-38-PLUG
DESCRIPTION: Mictor breakout adapter 38 pin Mictor Plug Log Analyzer flying probe	
CHECKED: M. MARINA	DRAWN: SLAVIK
	REVISION: 1.0
	SHEET: 1 OF 1