

**Product Name:** ZX104LN-38-PLUG Mictor Breakout Adapter

**Product Description:** Mictor breakout adapter , test board, Mictor Plug 38 pin Tyco/AMP/TE. Designed for test and measurement of electronic designs utilizing Mictor connector interface. ZX104LN Mictor breakout adapter is multi application test module interfacing with logic analyzer probe of flying wire probe. ZX104LN 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, connected to 2 inner GND 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 is provided for I2C-SDA, I2C-SCL, +5V, GND

**Application:** Bringup, testing, emulation, development, modular design evaluations, characterization DDR qualification

**Mates with :** Any Tyco's 38 pin 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, or Right Angle

**ZX104LN- Mictor 38 Plug pin configuration**

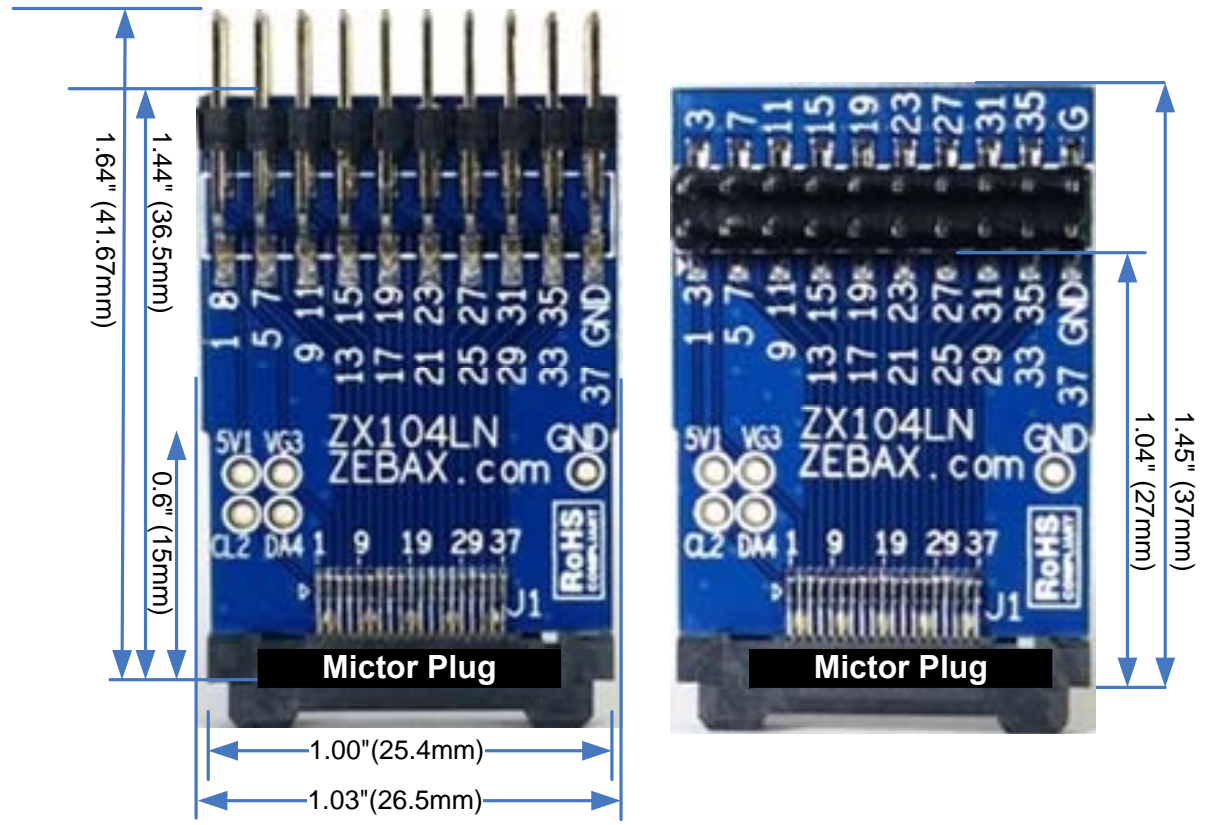
Layer												
TOP	J2	3	7	11	15	19	23	27	31	35	GND	
		1	5	9	13	17	21	25	29	33	37	
TOP	Mictor_Plug	J1	1, 3, 5, 7, 9, .. 37									
BOTTOM			2, 4, 6, 8, 10, .. 38									
BOTTOM	J3	4	8	12	16	20	24	28	32	36	GND	
		2	6	10	14	18	22	26	30	34	38	

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

**Notice**

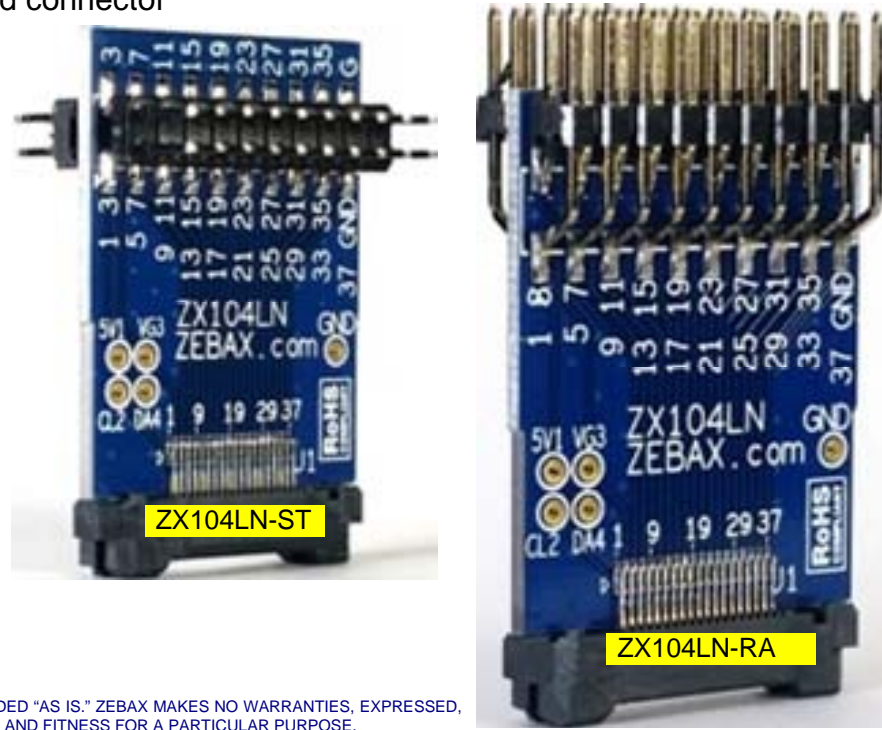
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Test Point	Mictor pin #	Duplicate pin # at header	Function*
DA 4	4	SDA/4	I2C Data
CL2	2	SCL/2	I2C Clock
VG3	3	VG/3	Ground
5V1	1	5V/1	Supply
GND	center TAP	GND	

\*\*\* 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  
 ZX104LN-X options  
 RA : Right Angle header  
 ST : Straight header ( Standard )

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: ZX104LN-38-PLUG		
DESCRIPTION: Mictor breakout adapter 38 pin Plug		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1