

**Product Name:** ZX104-38-PLUG-RA Mictor Breakout Adapter

**Product Description:** Mictor breakout adapter Plug 38 pin Tyco/AMP/TE. Designed in 4 layer PCBoard with improved signal integrity and crosstalk.

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

**"GND"** Header test points are connected to 2 inner layer GND plates **along with Mictor's center GND tap**. Please use these GNDs as your system GND reference.

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

**ZX104- Mictor 38 Plug pin configuration**

Layer													
TOP	J2	3	VG	GND	9	D14	D12	D10	D8	D6	D4	D2	D0
		1	5V	CLKE	7	D15	D13	D11	D9	D7	D5	D3	D1
TOP	Mictor_Plug	1, 3, 5, 7, 9, .. 37											
BOTTOM	J1	2, 4, 6, 8, 10, .. 38											
BOTTOM	J3	4	DA	CLKO	O15	O13	O11	O9	O7	O5	O3	O1	
		2	CK	GND	10	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.

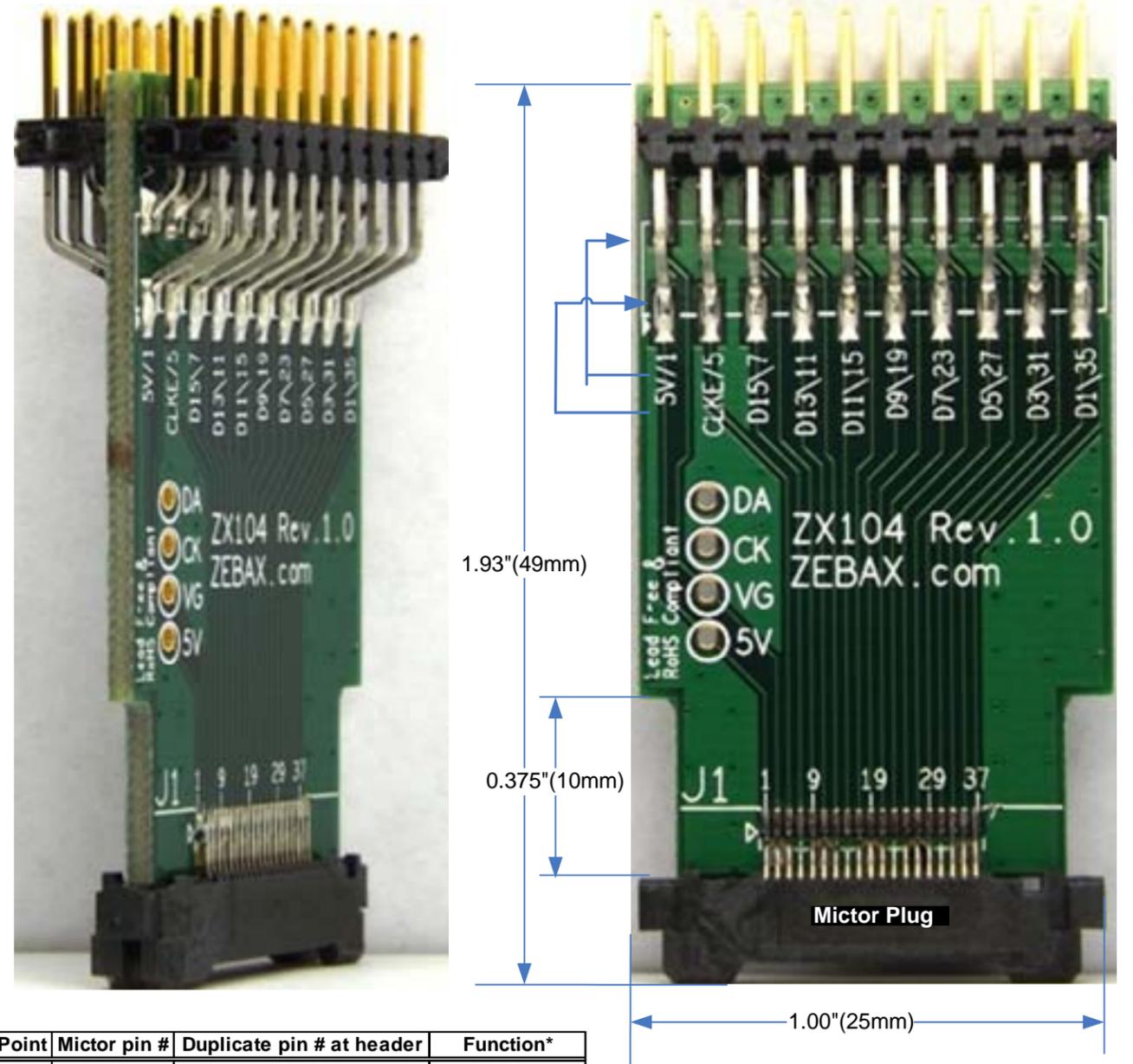
- O0 .. O15 Odd Data bus
- D0 .. D15 Even Data Bus
- CLKO - Clock Odd Side of Mictor Connector
- CLKE - Clock Ev

Syntax	5V	Mictor standard naming convention for use with Logic Analyzer
1		Header is assigned to Mictor pin #1

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Test Point	Mictor pin #	Duplicate pin # at header	Function*
DA	4	DA/4	I2C Data
CL	2	CL/2	I2C Clock
VG	3	VG/3	Ground
5V	1	5V/1	Supply

\*\*\* 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.

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: ZX104-38-PLUG-RA	
<b>DESCRIPTION: Mictor breakout adapter 38 pin Plug</b>		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1