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

		VG	GND	D14	D12	D10	D8	D6	D4	D2	D0
TOP	**J2**	3		9	13	17	21	25	29	33	37
		5V	CLKE	D15	D13	D11	D9	D7	D5	D3	D1
		1	5	7	11	15	19	23	27	31	35

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

		DA	CLKO	O15	O13	O11	O9	O7	O5	O3	O1
BOTTOM	**J3**	4	6	8	12	16	20	24	28	32	36
		CK	GND	O14	O12	O10	O8	O6	O4	O2	O0
		2		10	14	18	22	26	30	34	38

Header numbering refers to the Mictor's pin number
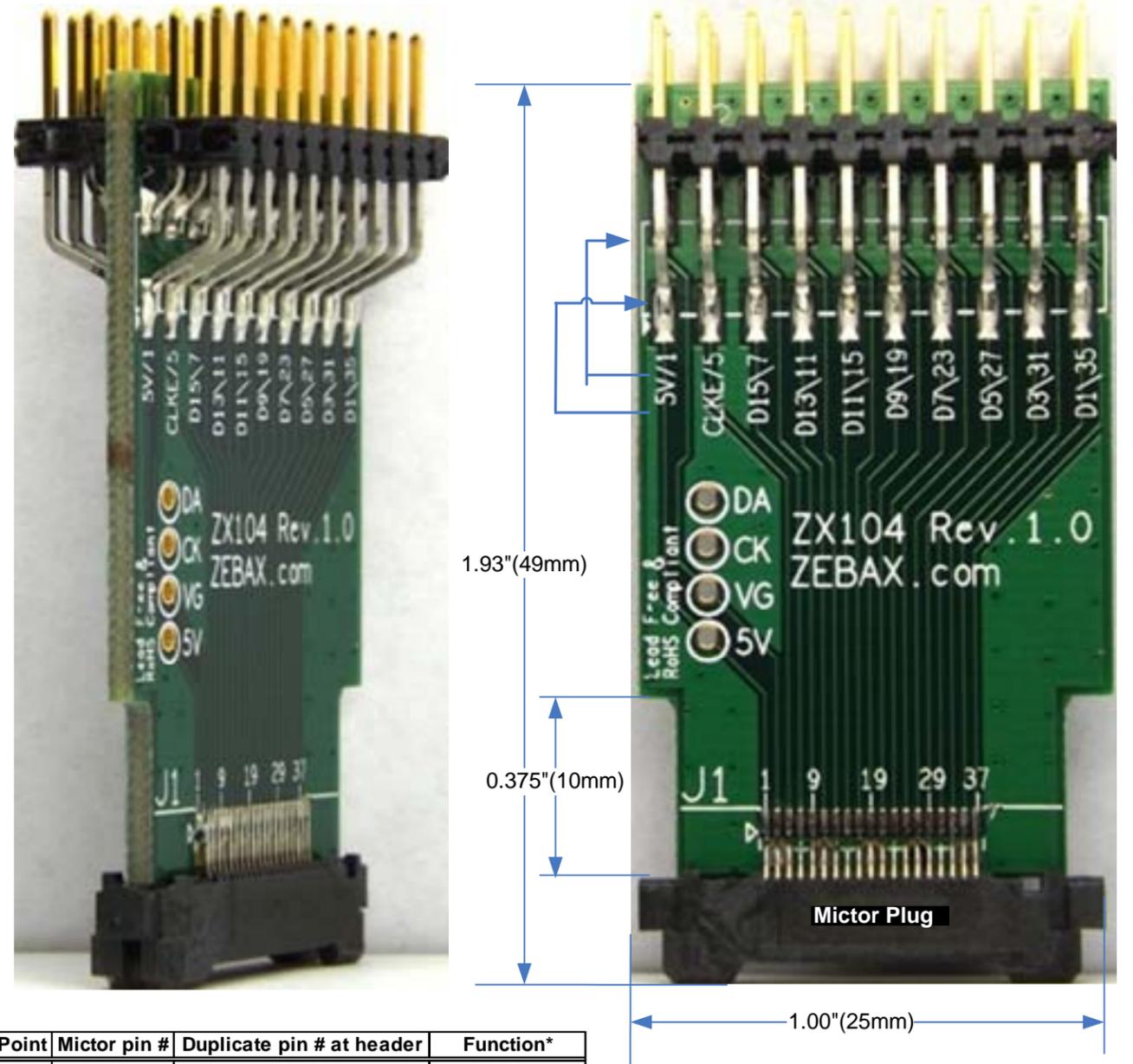**"GND"** header pins are connected to the 2 internal ground layers as well as top/bottom GND fills.
O0 .. O15 Odd Data bus
D0 .. D15 Even Data Bus
CLKO - Clock Odd Side of Mictor Connector
CLKE - Clock Ev

Syntax

5V
1

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

1.93"(49mm)

0.375"(10mm)

Mictor Plug

1.00"(25mm)

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.

ZEBAX TECHNOLOGIES
SANTA CRUZ, CA U.S.A (831) 222 – 0717
WWW.ZEBAX.COM

SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT

ASSEMBLY DRAWING

ITEM: ZX104-38-PLUG-RA

DESCRIPTION: Mictor breakout adapter 38 pin Plug

CHECKED: M. MARINA	DRAWN: SLAVIK	REVISSION: 1.0
		SHEET: 1 OF 1