

Product Name: ZX104LNR-38- Receptacle Mictor Breakout Adapter

Product Description: Mictor breakout adapter Receptacle 38 pin Tyco/AMP/TE. Designed in 4 layer PCBoard with improved signal integrity and crosstalk. ZX104LNR is designed for general Mictor application use as well as **Characterization**. All data line traces Even / Odd match associated CLK (Even / ODD) trace length at 50 Ω for slew, timing and characterization (PVT Variation of Load [Power], ASIC supply Power Voltage, and ASIC Temperature.

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

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

Mates with : Any Tyco's 38 pin Mictor Plug offered at any height

- 767007-8 767056-1 5767007-8 5767056-1
- 767139-1 767140-1 5767139-1 5767140-1
- 767003-9 767087-1 5767003-9 5767087-1
- 767005-8 767057-1 5767057-1 5767057-1
- 767025-1 5767025-1 767025-2 5767025-2
- 767042-1 5767042-1 767042-2 5767042-2
- 767032-1 5767032-1 767032-2 5767032-2
- 767017-1 5767017-1 767017-2 5767017-2
- 767006-1 5767006-1 767055-1 5767055-1

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

ZX104LNR- Mictor 38 Receptacle pin configuration

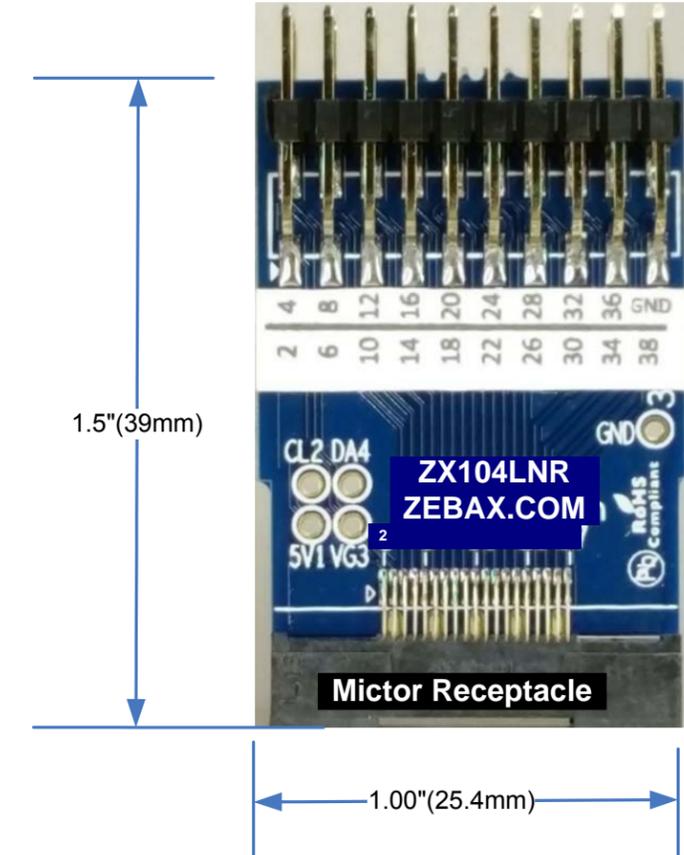
Layer											
TOP	J2	4	8	12	16	20	24	28	32	36	GND
		2	6	10	14	18	22	26	30	34	38
TOP	Mictor_Receptacle J1	2, 4, 6, 8, 10, .. 38									
BOTTOM		1, 3, 5, 7, 9, .. 37									
BOTTOM	J3	3	7	11	15	19	23	27	31	35	GND
		1	5	9	13	17	21	25	29	33	37

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

ALL ZEBAX TECHNOLOGIES DESIGN SPECIFICATIONS, DRAWINGS, PUBLICATIONS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NO INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

Information furnished is believed to be accurate and reliable. However, Zebax Technologies assumes no responsibility for the consequences of use of such information or for any infringement of patents or other rights of third parties that may result from its use. Specifications mentioned in this publication are subject to change without notice. This publication replaces all other information previously supplied. Zebax Technologies products are not authorized as in life support devices or systems.



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. Note
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

ZEBAX TECHNOLOGIES SANTA CRUZ, CA U.S.A (831) 2 2 2 - 0717 WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT		ASSEMBLY DRAWING ITEM: ZX104LNR-38-Receptacle
DESCRIPTION: Mictor breakout adapter 38 pin Receptacle		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1