

Product Name: ZX105-38-PLUG-SOCKET Mictor Breakout Adapter

Product Description: Mictor Breakout Adapter - Plug and Socket (Receptacle) - 38 pin Tyco/AMP/TE. Offering both Plug and Socket (receptacle) connectors are onboard ZX105 Mictor breakout adapter – test module. Designed in 4 layers PCBoard with improved signal integrity and crosstalk. The 2 inner pcb layers are GND plane connected to the GND test points as well as to the Mictor connectors center ground blade (tab). Headers pin labeling includes both Logic Analyzer configuration as well as the Mictor pin number. "D12-13" Refers to Data 12 on logic analyzer probe and Pin 13 on Mictor connector.

Available SDA, SCL, +5V, VG test points for direct connection.

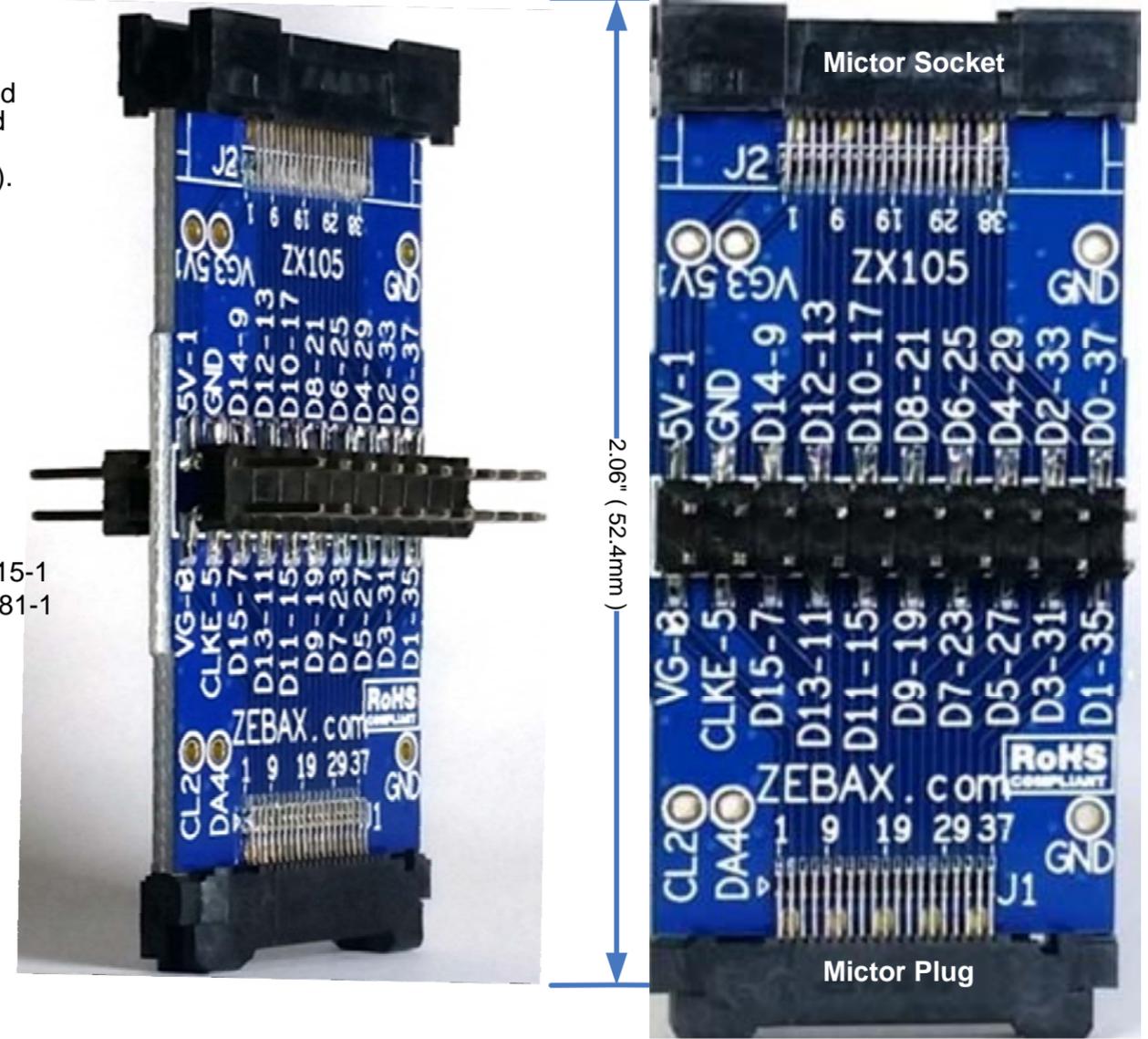
ZX105 can be used in Bypass where ZX105 is placed between Host and Target.

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

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 0.32" (8.13mm) post height



ZX105- Mictor 38 Plug to Socket pin configuration

TOP	Mictor_Socket	J4	1, 3, 5, 7, 9, .. 37
BOTTOM			2, 4, 6, 8, 10, .. 38

Layer	J2	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	
TOP		5V	GND	D14	D12	D10	D8	D6	D4	D2	D0	VG	CLKE	D15	D13	D11	D9	D7	D5	D3	D1
BOTTOM		3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	

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

BOTTOM	J3	36	38	O1	O0	O3	O2	O4	O6	O5	O4	O7	O6	O8	O9	O8	O11	O10	O12	O13	O12	O15	O14	CLKO	GND	5V	5V	4	2
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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.



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 blade	GND	Ground

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

NOTE: Pin 1 of the Plug is connected to Pin 1 of Socket, enabling target board debugging by using ZX105 in between Host and Target device..

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: ZX105-38-PLUG-SOCKET	
DESCRIPTION: Mictor breakout adapter 38 pin Plug Socket		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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