

Product Name: ZX132AAML Samtec Probe Adapter, converting Samtec to Mictor E5378A E5379A E5385A Logic Analyzer probe

Product Description: Samtec Probe adapter converting Samtec 100 pins to Mictor 38 pins designed for testing using Mictor Logic Analyzer probe - board to board testing, compatible with E5385A logic analyzer probe pinout assignments.
 Samtec: 50pins per 2 rows → 100 pins . Using Samtec's Basic Blade & Beam Header BTH 050 connector series ASP65267-02.
 Mictor: 18pins per 2 rows → 38 pins. Using TE (Tyco) Mictor connector socket (Receptacle). Mates with logic analyzer Mictor probe
 Accessible GND test Point, TP1 for 2 internal module GND planes.

- Designed in 4 layer PCBoard
- Improved signal integrity and crosstalk.
- 50 Ω trace impedance, matching connector's impedance
- Reference plane impedance 50Ω for DC to 8GHz bandwidth applications for single ended applications and differential signaling.

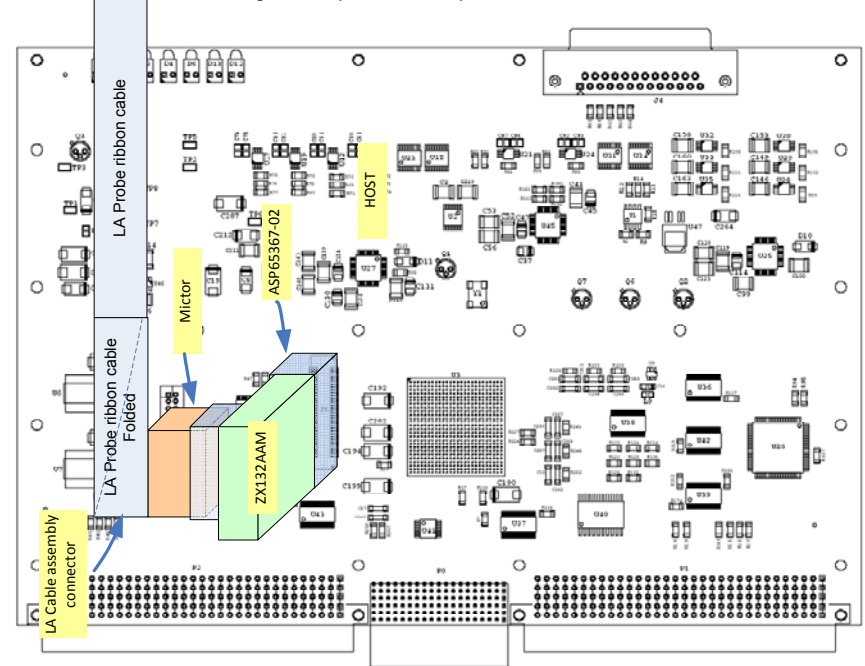
GND test points for easy access – GND Test point must be connected to system GND
 GND test points is tied to 2 inner layer GND planes
 Mictor's GND center tab is connected to internal GND planes as well as the ZX132AAML assigned GND pins, see table.

Application: Agilent Tektronix logic Analyzer probes E5346A, E5380A P6434
 Pre-Bringup, Bringup, characterization, testing, emulation, development, modular design evaluations / functional validation

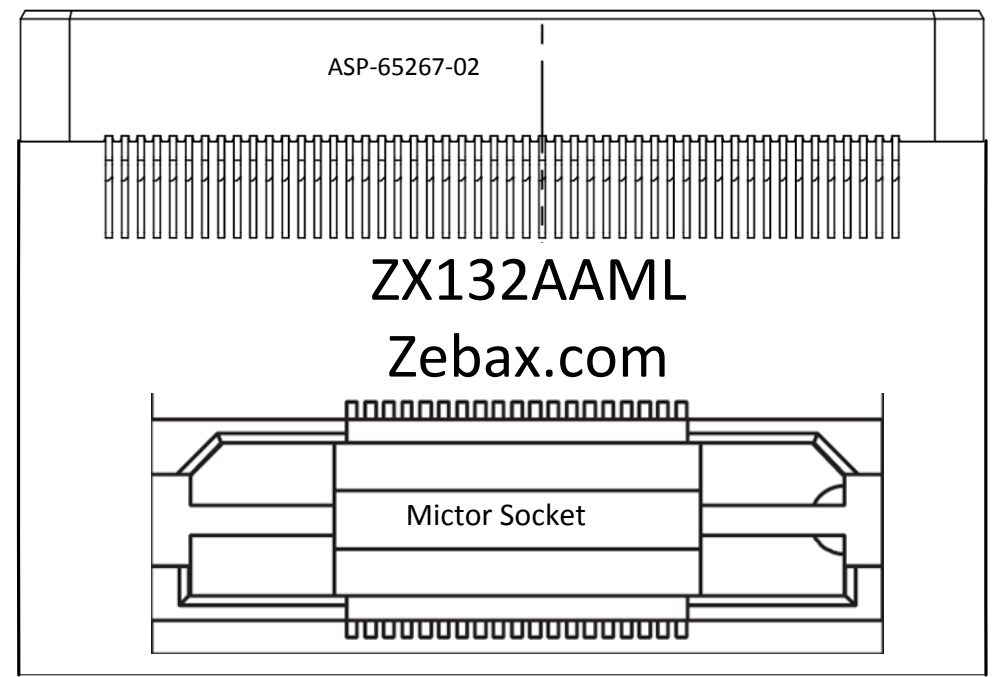
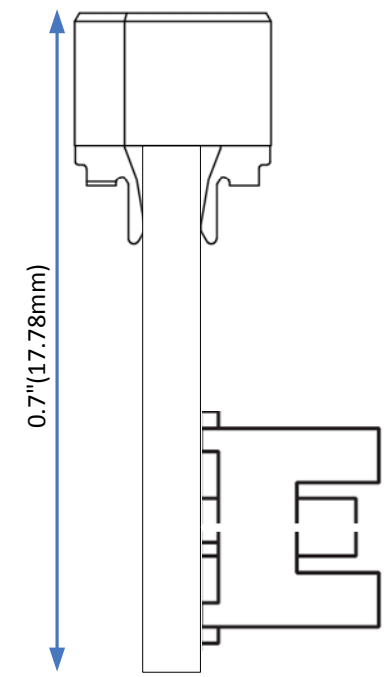
Mates with : Samtec ASP-65067-01 as well as BSH050 connector series
 Mictor plug - Designed to mate with Agilent Tektronix Logic Analyzer Mictor probe E5346A E5380A P6434

Pitch: 0.50mm (0.0197") High Speed connector

Headers: GND post (0.46mm) circle , available.



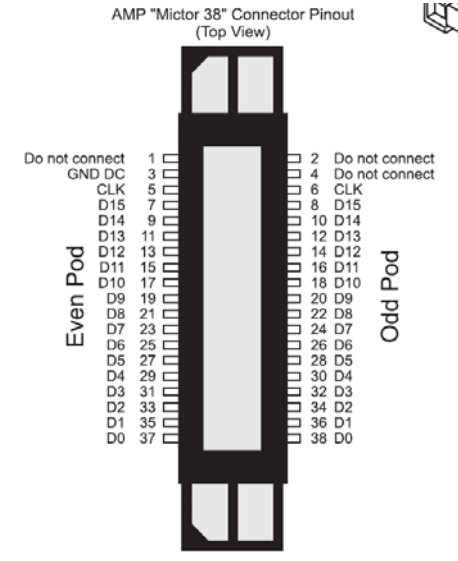
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ZX132AAM signal Mapping					
Samtec	Mictor	Signal		Mictor	Samtec
1 (GND)	1(nc)			2 (nc)	2 (GND)
3	3	nc	nc	4	4
5		GND	GND	6	6
7	37	eD0	oD0	38	8
9		GND	GND	10	10
11	35	eD1	oD1	36	12
13		GND	GND	14	14
15	33	eD2	oD2	34	16
17		GND	GND	18	18
19	31	eD3	oD3	32	20
21		GND	GND	22	22
23	29	eD4	oD4	30	24
25		GND	GND	26	26
27	27	eD5	oD5	28	28
29		GND	GND	30	30
31	25	eD6	oD6	26	32
33		GND	GND	34	34
35	23	eD7	oD7	24	36
37		GND	GND	38	38
39	21	eD8	oD8	22	40
41		GND	GND	42	42
43	19	eD9	oD9	20	44
45		GND	GND	46	46
47	17	eD10	oD10	18	48
49		GND	GND	50	50
51	15	eD11	oD11	16	52
53		GND	GND	54	54
55	13	eD12	oD12	14	56
57		GND	GND	58	58
59	11	eD13	oD13	12	60
61		GND	GND	62	62
63	9	eD14	oD14	10	64
65		GND	GND	66	66
67	7	eD15	oD15	8	68
69		GND	GND	70	70
71		nc	nc	72	72
73		GND	GND	74	74
75		nc	nc	76	76
77		GND	GND	78	78
79	5	eCLK	oCLK	6	80
81		GND	GND	82	82
83		nc	nc	84	84
85		GND	GND	86	86
87		nc	nc	88	88
89		GND	GND	90	90
91		nc	nc	92	92
93		GND	GND	94	94
95		GND	GND	96	96
97		nc	nc	98	98
99		nc	nc	100	100

nc: Not Connected
 Mictor GND Tab is connected to the ZX132AAM GND planes

NOTES:
 1- The GND test point is connected to 2 internal GND layers. Please apply system ground for improved signal measurements



Note
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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX132AAML Samtec Probe Adapter	
DESCRIPTION: Samtec to Mictor Probe Adapter E5346A E5380A P6434 Logic Analyzer probe		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1