

**Product Name:** ZX132S10RA Single ended Samtec Probe Breakout Adapter E5385A E5378A E5379A Logic Analyzer probe

**Product Description:** Single ended Samtec Probe breakout adapter, compatible with E5385A E5378A E5379A logic analyzer probe pinout assignments using 0.1" pitch header. 50pins per 2 rows → 100 pins. Using Samtec's Basic Blade & Beam Header BTH connector series ASP65267-02.

Reserved Probe pins are accessible via 0402 SMD pads for applying filter circuit or testing, see Note 2.

**- All traces match Clkp & Clkn trace length**

- Designed in 4 layer PCBoard
- No via on any signal traces
- Improved signal integrity and crosstalk.
- Matching connector's 50Ω impedance – Reference plane impedance 50Ω for DC to 8GHz bandwidth applications

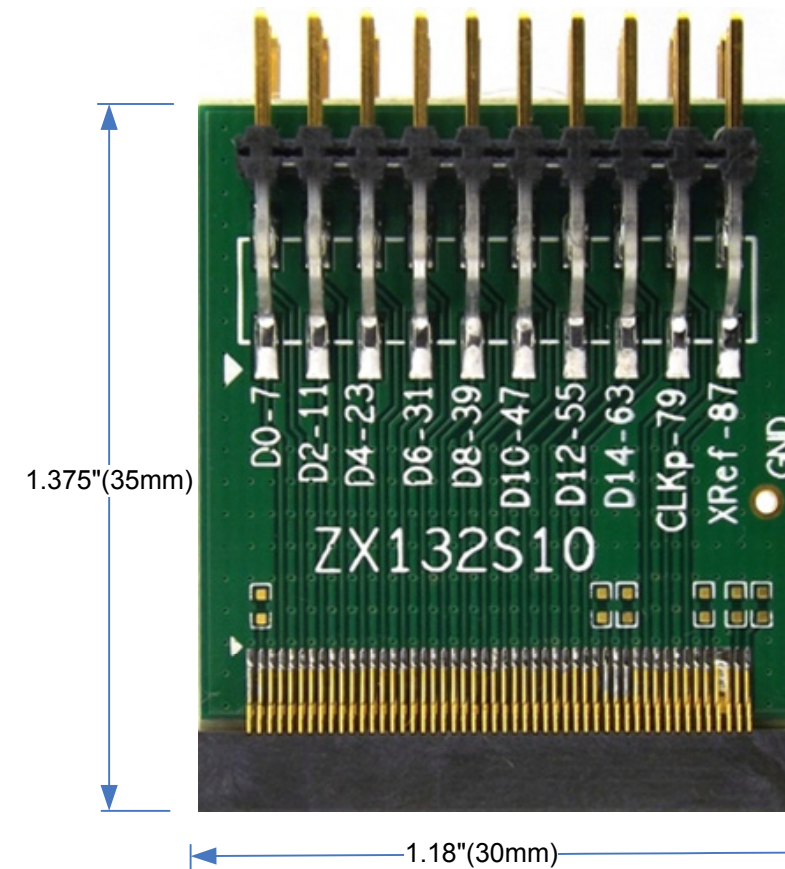
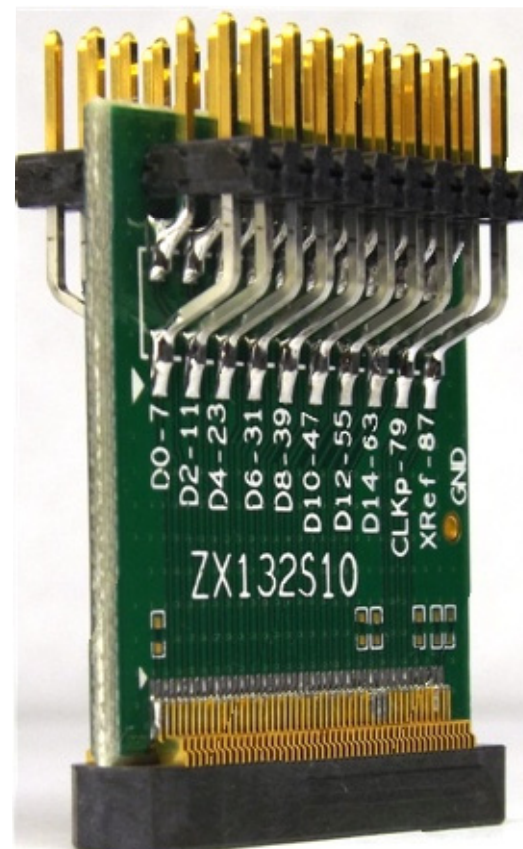
GND test points for easy access – GND Test point must be connected to system GND  
GND test points is tied to 2 inner layer GND planes

**Application:** Agilent logic Analyzer probes **E5385A E5378A E5379A Logic Analyzer probe**, Pre-Bringup, Bringup, characterization, testing, emulation, development, modular design evaluations / functional vlidation

**Mates with :** Samtec ASP-65067-01 as well as BSH050 connector series  
Designed to meet Agilent Logic Analyzer Samtec probe. ZX132S10RA can be used with flying leads probes

**Pitch:** 0.50mm (0.0197") High Speed connector

**Headers:** Right Angle 0.1" (2.54mm) center, 0.025" (0.64mm) SQ with 0.23" (5.6mm) post height



**NOTES:**

- 1- The GND test point is connected to 2 internal GND layers. Please apply system ground for improved signal measurements
- 2- 0402 SMD Pads are available accessing reserved Samtec connector pins, see table below:

Accessible pins	3	71	75	91	97	99
	4	72	76	92	98	100

**ZX132S10RA pin configuration**

Layer												
Bottom	Headers	J3	D0 - 8	D2 - 16	D4 - 24	D6 - 32	D8 - 40	D10 - 48	D12 - 56	D14 - 64	80 - D16p - CLKp	88 - Xref
			D1 - 12	D3 - 20	D5 - 28	D7 - 36	D9 - 44	D11 - 52	D13 - 60	D15 - 68	84 - D16n - Clkn	GND
Top	Headers	J2	D1 - 11	D3 - 19	D5 - 27	D7 - 35	D9 - 43	D11 - 51	D13 - 59	D15 - 67	D16n - CLKn - 83	GND
			D0 - 7	D2 - 15	D4 - 23	D6 - 31	D8 - 39	D10 - 47	D12 - 55	D14 - 63	D16p - CLKp - 79	Xref - 87
TOP	BTH	J1										
BOTTOM												

Header numbering refers to the Samtec connector pin number  
BTH footprint is identical to ASP65267-02, it mates with BSH050 and ASP-65067-01

Ground pins	1	5	9	13	17	21	25	29	33	37	41	45	49	53	57	61	65	69	73	77	81	85	89	93	95
	2	6	10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90	94	96

**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.



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

<b>ZEBAX TECHNOLOGIES</b> SANTA CRUZ, CA U.S.A (831) 2 2 2 - 0717 WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING	
	ITEM: ZX132S10RA Samtec Probe	
DESCRIPTION: Single ended Samtec Probe Breakout Adapter E5385A E5378A E5379A Logic Analyzer probe		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1