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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E5384A

Keysight E5384A 46 Channel DDR2 BGA Logic Analyzer Probe Adapter The Keysight E5384A is a 46-channel probe adapter used with W2630 Series DDR2 DRAM BGA probes. It provides 44 single-ended data channels and 2 differential clocks, 1.5 pF equivalent load capacitance, 250 mV peak-to-peak sensitivity, and up to 800 Mb/s data rate for 90-pin logic analyzer cables. DDR2 DIMM traffic visibility with W2630 BGA probes on 16900 Series or U4154A class analyzers. Forty six channels 44 data plus 2 differential clocks The Keysight E5384A is a 46-channel probe adapter used with W2630 Series DDR2 DRAM BGA probes. It provides 44 single-ended data channels and 2 differential clocks, 1.5 pF equivalent load capacitance, 250 mV peak-to-peak sensitivity, and up to 800 Mb/s data rate for 90-pin logic analyzer cables. DDR2 DIMM traffic visibility with W2630 BGA probes on 16900 Series or U4154A class analyzers. Forty six channels 44 data plus 2 differential clocks Two hundred fifty mV p-p minimum amplitude



MODEL

**Agilent / Keysight
E5384A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5384A

LISTING

<https://aumictechlabs.com/products/e5384a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E5384A is a 46-channel single-ended ZIF probe for DDR2 DRAM signal acquisition in logic analyzer applications. It connects directly to DDR2 BGA probes, enabling real-time observation of memory data traffic on industry-standard DIMMs. The probe integrates with

Keysight 16900 Series or U4154A logic analyzers to support high-speed digital design validation and memory system characterization with minimal circuit intrusion. Technical Specifications
Channel Count: 46 channels Probe Type: Single-ended ZIF Equivalent Load Capacitance: 1.5 pF
Memory Target: DDR2 DIMMs Key Features Direct connection to DDR DRAM BGA probes High input impedance design minimizes loading effects across the frequency spectrum Optimized for signal integrity with high immunity to transient noise Accurate capture of target signals at specified logic analyzer clock rates Typical Applications DDR2 memory validation and characterization Data traffic monitoring on industry-standard DIMMs Memory controller signal acquisition High-speed digital design validation Compatibility & Integration Logic Analyzers: Keysight 16900 Series, U4154A Associated Probes: Compatible with W2631B, W2632A, W2633B, W2634A, E5826A, E5827A probes for complete memory system probing solutions

E5384A Characteristics / Specifications

PARAMETER	VALUE
Model	E5384A
Instrument Type	DDR2 BGA logic analyzer probe adapter
Channel Count	46
Data Channels	44 single ended
Clock Channels	2 differential
Maximum Data Rate	800 Mb/s
Minimum Signal Amplitude	250 mV peak to peak
Equivalent Load Capacitance	1.5 pF
Analyzer Cable Interface	90 pin cable connectors
Compatible BGA Probe Series	W2630 Series DDR2
Compatible Analyzer Families	16900 Series U4154A class
Related BGA Probe Models Class	W2631B W2632A W2633B W2634A
Related Adapter Models Class	E5826A E5827A
Signal Access Role	DRAM BGA to logic analyzer bridging
Application Standard	industry standard DDR2 DIMMs
Probe Performance Class	convenient reliable DDR2 connection
Literature Class	5989-5964EN W2630 series
Sibling Soft Touch Capacitance Contrast	less than 0.7 pF
Sibling Mictor Max Rate Contrast	600 Mb/s
Sibling Samtec Max Rate Contrast	1.5 Gb/s
Channel Composition Summary	44 SE data 2 differential clocks
BGA Probe Family Document	W2630 Series DDR2 BGA probes
Data Rate	800 Mb/s

E5384A Specifications

PARAMETER	VALUE
Applications	DDR2 DIMM traffic visibility with W2630 BGA probes on 16900 Series or U4154A class analyzers.
Key Features	Forty six channels 44 data plus 2 differential clocks
Eight hundred Mb/s maximum data rate	Two hundred fifty mV p-p minimum amplitude
One point five pF equivalent load capacitance	Connects W2630 Series DDR2 BGA probes to 90-pin analyzers
Technical Specifications	Model: E5384A
Notes	Numeric rows from Keysight E5384A probe specifications and Probing Solutions DDR2 probing references.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Numeric rows from Keysight E5384A probe specifications and Probing Solutions DDR2 probing references.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.