

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight W2638A

Agilent/Keysight W2638A Overview This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Applications Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.



MODEL

**Agilent / Keysight
W2638A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

W2638A

LISTING

<https://aumictechlabs.com/products/w2638a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight W2638A is a BGA probe for accessing and analyzing LPDDR, LPDDR NVM, and mobile-DDR DRAM signals within ball grid array packages. It interposes between the DRAM and printed circuit board, enabling comprehensive state and timing measurements of DRAM buses - including DQ, DQS, and clock signals - without requiring design modifications. The probe supports both x16 (60 balls) and x32 (90 balls) package configurations at data rates up to 400 Mb/s and operates across a 1.5 GHz bandwidth. Technical Specifications Product Type: LPDDR BGA Probe Supported DRAM Types: LPDDR SDRAM, LPDDR NVM, Mobile-DDR DRAM Package Configurations: x16 (60 balls), x32 (90 balls) - all signals accessible Data Transfer Rate: Up to 400 Mb/s Bandwidth: 1.5 GHz Operating Temperature: 0° to +100° C Maximum Altitude: 4,600 m

(15,000 ft) Humidity: Up to 50% non-condensing

Key Features

- Buried resistor design minimizes capacitive loading and isolates signals
- Compatible with both leaded and lead-free solder finishes
- Tolerates lead-free soldering temperature profiles
- DRAM soldered to probe top side; operates at full speed without performance degradation
- S-parameter models available for de-embedding with InfiniiSim
- Typical Applications: LPDDR/Mobile-DDR DRAM characterization and validation
- JEDEC compliance testing and signal integrity analysis
- State and timing measurements on DRAM buses in mobile and embedded systems
- Full-speed in-circuit probing without PCB design changes

Compatibility & Integration

Logic Analyzer Connection: Interfaces via E5384A and E5826A single-ended ZIF probes to Keysight 16800 Series, 16900 Series, or U4154A AXIe-based logic analyzer module.

Oscilloscope Connection: Attaches to W2639A LPDDR scope adapter board and uses E2678A InfiniiMax socketed probe head for connection to Keysight Infiniium 80000, 9000, or 90000A Series oscilloscopes.

W2638A Characteristics / Specifications

PARAMETER	VALUE
Model	W2638A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight W2638A
Sku	W2638A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	W2638A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	W2638A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight W2638A
Sku	W2638A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	W2638A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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