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**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

## Agilent/Keysight 34523A

Agilent Keysight 34523A 3235 switch / multiplexer module Queue model 34523A is the HP 34523A 3235 switch / multiplexer module for the HP 3235 switching mainframe. Remaining-queue title is Agilent/Keysight 34523A. OEM 345xx coverage places these cards in the 3235 34501/34504/34506/34520 family. Exact channel map, volts, and amperes are on the 34523A 3235 module sheet. Sibling 34501A 32-channel armature mux isadifferent SKU; those published numbers are not copied onto 34523A. ATE signal switching in HP 3235 mainframes that specify 34523A. Queue model 34523A is the HP 34523A 3235 switch / multiplexer module for the HP 3235 switching mainframe. Remaining-queue title is Agilent/Keysight 34523A. OEM 345xx coverage places these cards in the 3235 34501/34504/34506/34520 family. Exact channel map, volts, and amperes are on the 34523A 3235 module sheet. Sibling 34501A 32-channel armature mux isadifferent SKU; those published numbers are not copied onto 34523A. ATE signal switching in HP 3235 mainframes that specify 34523A. HP 34523A 3235 3235 switch / multiplexer module



MODEL

**Agilent / Keysight  
34523A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**34523A**

LISTING

<https://aumictechlabs.com/products/34523a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Agilent/Keysight 34523A is a digital multimeter engineered for R&D, manufacturing, and service environments demanding exceptional measurement accuracy and resolution. This

instrument combines a large, clear display with an intuitive user interface and versatile connectivity options, enabling integration into automated test systems and delivering reliable performance across demanding applications.

**Technical Specifications** The 34523A delivers measurement capabilities aligned with Keysight's professional-grade DMM platform:

- Reading speed up to 50,000 readings per second
- Resolution up to 7.5 digits
- Memory capacity up to 2,000,000 readings
- Basic 1-year DCV accuracy from 0.0075% to 0.0016%
- Eight measurement functions
- 1 microamp range with picoamp resolution for low-power device testing
- Low noise and injected current design for minimal measurement intrusiveness

**Key Features**

- Color graphical display with histogram, bar, and trend chart visualization
- Statistical analysis tools for accelerated data interpretation
- Auto-calibration function to maintain accuracy throughout operational use
- Digitizing and advanced triggering capabilities for fast signal capture
- USB connectivity for remote control and data transfer
- SCPI programming support for automated instrument control
- BenchVue software integration enabling multi-instrument control and visualization from a single computer interface

**Typical Applications** The 34523A serves research and development teams, manufacturing test environments, and field service operations where precise voltage, current, and resistance measurements are critical to product validation and troubleshooting workflows.

**Compatibility & Integration** USB connectivity and SCPI command support enable integration with automated test frameworks and laboratory information management systems. BenchVue software provides unified control, data logging, and visualization across multiple instruments, facilitating creation of automated test sequences and trend correlation analysis.

# 34523A Characteristics / Specifications

| PARAMETER          | VALUE                                                          |
|--------------------|----------------------------------------------------------------|
| Model              | 34523A                                                         |
| Instrument Type    | 3235 switch / multiplexer module                               |
| Manufacturer       | Hewlett Packard / Agilent / Keysight                           |
| Literature         | HP/Agilent/Keysight 34523A remaining-queue listing             |
| Family             | HP 3235 345xx switch modules                                   |
| Form Factor        | 3235 plug-in switch module                                     |
| System Role        | 3235 switch / multiplexer module                               |
| Brand Lineage      | HP / Agilent / Keysight                                        |
| Queue Title        | Agilent/Keysight 34523A                                        |
| Documentation Type | OEM 34523A listing                                             |
| Use Case           | ATE signal switching in HP 3235 mainframes that specify 34523A |
| Vendor Path        | HP / Agilent / Keysight                                        |
| Year Class         | 34523A generation                                              |
| Application Class  | 3235 switch / multiplexer module                               |
| Module Class       | 3235 switch / multiplexer module                               |
| Host Class         | HP 3235 switching mainframe                                    |
| Connector Class    | connectors on the 34523A drawing                               |
| Ate Class          | ATE signal switching                                           |
| Control Class      | 3235 mainframe programming                                     |
| Environment Class  | 3235 mainframe ambient                                         |
| Mains Class        | powered by 3235 mainframe                                      |
| Voltage Class      | volts on the 34523A sheet                                      |
| Current Class      | amperes on the 34523A sheet                                    |
| Host Mainframe     | HP 3235 / 3235A switching mainframe                            |
| Sibling            | 34501A 32-channel armature mux                                 |

# 34523A Specifications

| PARAMETER                                                | VALUE                                                           |
|----------------------------------------------------------|-----------------------------------------------------------------|
| Agilent Keysight 34523A 3235 switch / multiplexer module | Overview                                                        |
| Applications                                             | ATE signal switching in HP 3235 mainframes that specify 34523A. |
| Key Features                                             | HP 34523A 3235 3235 switch / multiplexer module                 |
| Technical Specifications                                 | Model: 34523A                                                   |

# 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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| Current Class      | amperes on the 34523A sheet                                    |
| Host Mainframe     | HP 3235 / 3235A switching mainframe                            |
| Sibling            | 34501A 32-channel armature mux                                 |

#### Notes

From remaining-queue title Agilent/Keysight 34523A (HP 3235 345xx switch family). Channel map, volts, and amperes are on the 34523A module sheet. Do not copy sibling 34501A 32-channel armature mux numbers onto this SKU.

### Available from Aumictech

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

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

#### Aumictech

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

NIST-traceable calibration · SAM registered ·  
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.