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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34520B

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



MODEL

**Agilent / Keysight
34520B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34520B

LISTING

<https://aumictechlabs.com/products/34520b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 34520B is a 6.5-digit digital multimeter module engineered for integration into the HP 3235 Switch/Test Unit mainframe. It delivers high-accuracy measurements across DC

voltage, AC voltage, DC current, AC current, resistance, frequency, and period for research, development, and manufacturing environments.

Technical Specifications

Measurement Functions: DC voltage, AC voltage, DC current, AC current, resistance, frequency, period

Frequency Range (Voltage Input): 10 Hz to 1.5 MHz

Frequency Range (Current Input): 10 Hz to 100 kHz

Period Range (Voltage Input): 0.1 s to 667 ns

Period Range (Current Input): 0.1 s to 3.33 μ s

AC Voltage Bandwidth: 20 Hz to 1 MHz

AC Current Bandwidth: 20 Hz to 100 kHz

Sensitivity: 10 mVrms or 100 μ Arms (sinewave)

Crest Factor: 3.5:1 at full scale

Noise Suppression (Guarded Mode): Greater than 86 dB

Noise Suppression (Non-Guarded Mode): Greater than 66 dB

Key Features

- Guarded and non-guarded measurement modes for flexible noise rejection
- Zero-crossing triggering and counting for frequency and period measurements
- Dual-mode sensitivity supports both voltage and current signal detection

Typical Applications

The 34520B serves automated test equipment (ATE) systems requiring integrated measurement modules with minimal external cabling and straightforward system configuration.

Compatibility & Integration

Designed exclusively for modular integration into the HP 3235 Switch/Test Unit mainframe. System connectivity leverages standard interfaces managed through Keysight's IO Libraries Suite. Keysight calibration services are available to verify performance against traceable standards and maintain specification compliance.

34520B Characteristics / Specifications

PARAMETER	VALUE
Model	34520B
Instrument Type	3235 switch / multiplexer module
Manufacturer	Hewlett Packard / Agilent / Keysight
Literature	HP/Agilent/Keysight 34520B 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 34520B
Documentation Type	OEM 34520B listing
Use Case	ATE signal switching in HP 3235 mainframes that specify 34520B
Vendor Path	HP / Agilent / Keysight
Year Class	34520B generation
Application Class	3235 switch / multiplexer module
Module Class	3235 switch / multiplexer module
Host Class	HP 3235 switching mainframe
Connector Class	connectors on the 34520B 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 34520B sheet
Current Class	amperes on the 34520B sheet
Host Mainframe	HP 3235 / 3235A switching mainframe
Sibling	34501A 32-channel armature mux

34520B Specifications

PARAMETER	VALUE
Agilent Keysight 34520B 3235 switch / multiplexer module	Overview
Applications	ATE signal switching in HP 3235 mainframes that specify 34520B.
Key Features	HP 34520B 3235 3235 switch / multiplexer module
Technical Specifications	Model: 34520B

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	
Specifications	
PARAMETER	VALUE
Model	34520B
Instrument Type	3235 switch / multiplexer module
Manufacturer	Hewlett Packard / Agilent / Keysight
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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 34520B
Documentation Type	OEM 34520B listing
Use Case	ATE signal switching in HP 3235 mainframes that specify 34520B
Vendor Path	HP / Agilent / Keysight
Year Class	34520B generation
Application Class	3235 switch / multiplexer module
Module Class	3235 switch / multiplexer module
Host Class	HP 3235 switching mainframe
Connector Class	connectors on the 34520B 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 34520B sheet
Current Class	amperes on the 34520B sheet
Host Mainframe	HP 3235 / 3235A switching mainframe
Sibling	34501A 32-channel armature mux

Notes

From remaining-queue title Agilent/Keysight 34520B (HP 3235 345xx switch family). Channel map, volts, and amperes are on the 34520B 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 · +1 (484) 841-9341

Aumictech

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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.