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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 34523B

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



MODEL

**Agilent / Keysight
34523B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

34523B

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 34523B is a breadboard module that integrates specialized circuits into test systems by interfacing directly with the HP 3235A Switch/Test Unit. It connects to the backplane

control signals, analog bus, and trigger bus, enabling signal routing from external instruments to a device under test. Technical Specifications Module Type: Breadboard Module Weight: 6 lbs/ea. Primary Compatibility: HP 3235A Switch/Test Unit Backplane Interface: Direct connection to HP 3235A backplane control signals, analog bus, and trigger bus Key Features Incorporates special-purpose circuits into existing test systems Routes signals from external instruments to the device under test Direct backplane connectivity eliminates external cabling for control and analog signals Trigger bus integration for synchronized test execution Works with a wide range of plug-in and switching modules designed for the 3235A Typical Applications Custom circuit integration within automated test systems Signal conditioning and routing for specialized measurements Multi-instrument test configurations requiring centralized signal management Device characterization in modular test environments Compatibility & Integration The 34523B is purpose-built for the HP 3235A Switch/Test Unit platform. Its breadboard architecture allows engineers to design and implement application-specific circuits while leveraging the 3235A's control infrastructure, analog distribution, and trigger capabilities. Integration with existing 3235A modules provides a scalable approach to expanding test system functionality.

34523B Characteristics / Specifications

PARAMETER	VALUE
Model	34523B
Instrument Type	3235 switch / multiplexer module
Manufacturer	Hewlett Packard / Agilent / Keysight
Literature	HP/Agilent/Keysight 34523B 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 34523B
Documentation Type	OEM 34523B listing
Use Case	ATE signal switching in HP 3235 mainframes that specify 34523B
Vendor Path	HP / Agilent / Keysight
Year Class	34523B generation
Application Class	3235 switch / multiplexer module
Module Class	3235 switch / multiplexer module
Host Class	HP 3235 switching mainframe
Connector Class	connectors on the 34523B 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 34523B sheet
Current Class	amperes on the 34523B sheet
Host Mainframe	HP 3235 / 3235A switching mainframe
Sibling	34523A same-familyBsuffix

34523B Specifications

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

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	34523B
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 34523B
Documentation Type	OEM 34523B listing
Use Case	ATE signal switching in HP 3235 mainframes that specify 34523B
Vendor Path	HP / Agilent / Keysight
Year Class	34523B generation
Application Class	3235 switch / multiplexer module
Module Class	3235 switch / multiplexer module
Host Class	HP 3235 switching mainframe
Connector Class	connectors on the 34523B 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 34523B sheet
Current Class	amperes on the 34523B sheet
Host Mainframe	HP 3235 / 3235A switching mainframe
Sibling	34523A same-familyBsuffix

Notes

From remaining-queue title Agilent/Keysight 34523B (HP 3235 345xx switch family). Channel map, volts, and amperes are on the 34523B module sheet. Do not copy sibling 34523A same-familyBsuffix 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.