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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 44705-66501 Main Assembly Replacement Board for the 44705A

The Keysight/Agilent/HP 44705-66501 is a main assembly replacement board engineered for the 44705A relay multiplexer. This component serves the 447xx Series family of relay multiplexers, delivering direct signal routing across voltage, resistance, and thermocouple measurement channels. The board restores full functionality to damaged or degraded 44705A systems, enabling continued operation of critical test infrastructure without complete unit replacement. Aumictech offers NIST-traceable calibration and repair for the Keysight / Agilent / HP 44705-66501. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Keysight / Agilent / HP 44705-66501 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibrati

**MODEL****Keysight / Agilent /
HP 44705-66501****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****44705-66501****LISTING**<https://aumictechlabs.com/products/44705-66501-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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channels. The board restores full functionality to damaged or degraded 44705A systems, enabling continued operation of critical test infrastructure without complete unit replacement. Technical Specifications Manufacturer: Keysight / Agilent / HP Model Number: 44705-66501 Product Family: 447xx Series Relay Multiplexers Target Equipment: 44705A Measurement Types: Voltage, resistance, thermocouples Key Features Direct multiplexing of multiple measurement signal types on a single platform Main assembly design for core 44705A functionality Drop-in replacement component for field service and maintenance Supports integration with existing 447xx Series infrastructure Typical Applications The 44705-66501 addresses repair and restoration scenarios where the primary assembly has failed or degraded. Systems requiring simultaneous or sequential switching of voltage, resistance, or thermocouple inputs benefit from this component's direct multiplexing capability. It functions within automated test stations, data acquisition systems, and thermal characterization platforms that depend on the 44705A architecture. Compatibility & Integration This board integrates directly into the 44705A platform. The 447xx Series ecosystem includes complementary modules such as the 44706A 60-Channel Single-Ended Relay Multiplexer, 44708A 20-Channel Relay Multiplexer Component Module, and 44705H 20-Channel High-Voltage Relay Multiplexer Component Module. Terminal block interfaces (44705A and 44708A models) provide standardized signal connections. Complete system documentation is available through the 447xx Series Datasheet and 44705/44706/44708 Manual.

Features & description

From manufacturer datasheet

Applications

- 44705A FET mux board replacement

4470566501 Characteristics / Specifications

PARAMETER	VALUE
Model	44705-66501
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Main Assembly Replacement Board
Alias	44705-66501
Parent Module	44705A FET multiplexer
Parent Mainframe	3852A data acquisition/control
Function	main FET mux PCA
Form	replacement printed-circuit assembly
NotAComplete Instrument	board only
Related VXI FET	E1351A is VXI FET mux
Switch Type Parent	FET multiplexer
Status	HP 3852A/44705A service part
Installation	44705A module; match prefix
ESD	FET analog PCA
Documentation	3852A/44705A service
Calibration	44705A path after swap
Compatibility	44705A
Use	restore FET mux
Identification	44705-66501
Channels Parent	44705A FET channel count per sheet
Voltage Class	FET mux rating
Cooling	3852A airflow
Power	3852A backplane
Not 3497A	3852A family Notes Main-assembly identity from HP 44705-66501 for 44705A FET mux in 3852A. Channel count and volts are 44705A specifications.

4470566501 Specifications

PARAMETER	VALUE
Applications	- 44705A FET mux board replacement
Key Features	- Main assembly 44705-66501
Technical Specifications	Model: 44705-66501
Notes	Main-assembly identity from HP 44705-66501 for 44705A FET mux in 3852A. Channel count and volts are 44705A specifications.

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.

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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.