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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U4201A

Keysight U4201A Logic Analyzer Probe Cable The Keysight U4201A is the general-purpose logic analyzer cable that adapts 90-pin probes to U4164A, U4154A/B, and 16850-series analyzers with 160-pin style pod connectors, carrying up to 34 channels depending on the attached probe. Connecting Soft Touch, Mictor, Samtec, ZIF, and flying-lead 90-pin probes to modern AXIe and portable logic analyzers that require the U4201A cable. Required interface for 90 pin probes on U4164A U4154A/B and 16850 series The Keysight U4201A is the general-purpose logic analyzer cable that adapts 90-pin probes to U4164A, U4154A/B, and 16850-series analyzers with 160-pin style pod connectors, carrying up to 34 channels depending on the attached probe. Connecting Soft Touch, Mictor, Samtec, ZIF, and flying-lead 90-pin probes to modern AXIe and portable logic analyzers that require the U4201A cable. Required interface for 90 pin probes on U4164A U4154A/B and 16850 series Supports 17 and 34 channel probe families



MODEL

**Agilent / Keysight
U4201A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U4201A

LISTING

<https://aumictechlabs.com/products/u4201a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The U4201A is a logic analyzer cable assembly that connects industry-standard logic analyzer probes to Keysight logic analyzer modules and systems. It has the physical interface required for capturing and analyzing digital signals across multiple channels, enabling efficient debugging and validation of complex digital designs. The cable features dual 90-pin connectors, accommodating

a range of probe types from general-purpose flying leads to specialized differential and single-ended configurations.

Technical Specifications

Connector Type: 90-pin connectors (×2 pods)

Maximum Channel Capacity: 34 channels (when both 90-pin pods utilized)

Compatible Data Rates: Logic analyzer modules support state data rates up to 3.2 Gb/s

Probe Interface: Universal 90-pin cable connector compatibility

Key Features

- Dual 90-pin pod architecture enables flexible probe configurations
- Supports 17-channel probes via single pod or 34-channel operation with both pods
- Accommodates both general-purpose and specialized probe types
- Compatible with connectorless probe designs (Soft Touch series) and connector-based probes (Mictor format)
- Enables integration with differential and single-ended probe technologies

Typical Applications

- Digital system debugging and signal validation
- Protocol analysis and verification
- Multi-channel digital signal capture and timing analysis
- Complex system characterization and troubleshooting

Compatibility & Integration

The U4201A integrates with the following Keysight platforms:

- U4164A Logic Analyzer Module
- U4154A/B Logic Analyzer Module
- 16850 Series Portable Logic Analyzer
- U4421A MIPI D-PHY Protocol Analyzer

Probe compatibility includes differential probes (E5381B), single-ended probes (E5382B), Soft Touch Pro and Classic series connectorless probes, and connector-based probes such as the U4205A Mictor format.

U4201A Characteristics / Specifications

PARAMETER	VALUE
Model	U4201A
Instrument Type	logic analyzer probe cable
Probe Side Connector	90 pin logic analyzer probe interface
Analyzer Side Connector Class	160 pin direct connect class pods
Compatible Analyzers	U4164A U4154A U4154B U4421A 16850 series
Maximum Cables 16861A	1
Maximum Cables 16862A	2
Maximum Cables 16863A	3
Maximum Cables 16864A	4
Channels With 34 Channel Probe	34
Channels With 17 Channel Probe	17
Probes Per Cable Soft Touch 34 Channel	1 using both pods
Probes Per Cable 17 Channel	1 per pod connection
Compatible Probe Examples	E5405B E5406A E5380B E5382B E5378A E5379A
Cable Role	mandatory adapter for 90 pin probes on listed analyzers
Signal Path	passive cable assembly
Primary Use	probe to analyzer interconnect
Form Factor	dual pod logic analyzer cable
Supported Probe Technologies	Soft Touch Mictor Samtec flying lead ZIF
Required For Soft Touch On U4164A	yes
Required For 16850 Series 90 Pin Probes	yes
Pod Connections On Cable	2

U4201A Specifications

PARAMETER	VALUE
Keysight U4201A Logic Analyzer Probe Cable	Overview
Key Features	Required interface for 90 pin probes on U4164A U4154A/B and 16850 series
Supports 17 and 34 channel probe families	Two pod connections on cable for dual 17 channel or single 34 channel probes
Technical Specifications	Model: U4201A
Notes	Numeric and compatibility rows from Keysight U4200A-Series Probes and Cables User Guide and 16860A series datasheet cable limits.

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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Model	U4201A
Instrument Type	logic analyzer probe cable
Probe Side Connector	90 pin logic analyzer probe interface
Analyzer Side Connector Class	160 pin direct connect class pods
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Cable Role	mandatory adapter for 90 pin probes on listed analyzers
Signal Path	passive cable assembly
Primary Use	probe to analyzer interconnect
Form Factor	dual pod logic analyzer cable
Supported Probe Technologies	Soft Touch Mictor Samtec flying lead ZIF
Required For Soft Touch On U4164A	yes
Required For 16850 Series 90 Pin Probes	yes
Pod Connections On Cable	2
Notes	
Numeric and compatibility rows from Keysight U4200A-Series Probes and Cables User Guide and 16860A series datasheet cable limits.	

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.