

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E5346A 34-Channel Single-Ended Mictor Connector Probe Kit

Keysight / Agilent / HP Logic Analyzers. Channels: 32 single-ended data channels + 2 single-ended clo.



MODEL

**Keysight / Agilent /
HP E5346A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5346A

LISTING

[https://aumictechlabs.c
om/products/e5346a-
2/](https://aumictechlabs.com/products/e5346a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E5346A is a 34-channel single-ended Mictor connector probe kit that provides direct signal acquisition from target systems to compatible logic analyzers. It delivers 32 data channels and 2 clock channels with integrated RCR isolation networks, enabling accurate capture and analysis of complex digital signals while maintaining signal integrity and minimizing circuit loading across wide frequency ranges. Technical Specifications Channel Configuration 34 total channels: 32 single-ended data channels + 2 single-ended clock channels Minimum signal amplitude: 500 mV peak-to-peak Equivalent load capacitance: 3.0 pF per channel Data rate equivalence matched to attached logic analyzer Probe Interface 38-pin AMP Mictor (Matched Impedance ConnectOR) connector RCR isolation networks integrated into cable end for signal conditioning High input impedance design minimizes circuit intrusion High transient noise immunity Mechanical & Support Support shrouds available for board thicknesses up to 3.175 mm

(0.125 in.) Shroud part numbers: E5346-44701 (up to 1.575 mm), E5346-44704 (1.575–3.175 mm), E5346-44703 (3.175–4.318 mm) Mictor connector part numbers: Keysight 1252-7431 / AMP 2-767004-2 Connector kits supplied: 5 connectors and 5 support shrouds per kit

Key Features

- Direct Mictor connector interface for on-board probe point integration
- Low capacitive loading (3.0 pF) suitable for higher-frequency analysis
- Integrated signal conditioning via RCR isolation networks
- Optional support shrouds with strain relief for mechanically demanding environments
- Selectable shroud options accommodate standard PCB thicknesses

Typical Applications

- Digital system debugging and signal validation
- Multi-channel logic state and timing analysis
- Complex protocol capture and analysis
- In-circuit signal acquisition on production and development boards

Compatibility & Integration

- Compatible with logic analyzers featuring 40-pin cable connectors
- Supported analysis modules: 16557D, 16710A, 16711A, 16712A, 16715A, 16716A, 16717A, 16718A, 16719A, 16750A, 16751A, 16752A
- Designed for direct board-level integration via Mictor connector footprint

Features & description

From manufacturer datasheet

Technical Specifications

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Keysight / Agilent / HP E5346A — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Keysight / Agilent / HP E5346A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

Keysight / Agilent / HP E5346A price

This Keysight / Agilent / HP E5346A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Keysight / Agilent / HP E5346A calibration cost

NIST-traceable calibration for the Keysight / Agilent / HP E5346A is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented,

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Applications

Digital system debugging and signal validation Multi-channel logic state and timing analysis Complex protocol capture and analysis In-circuit signal acquisition on production and development boards

Unit notes

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Technical Specifications

Channel Configuration 34 total channels: 32 single-ended data channels + 2 single-ended clock channels

Minimum signal amplitude: 500 mV peak-to-peak

Equivalent load capacitance: 3.0 pF per channel

Data rate equivalence matched to attached logic analyzer

Probe Interface 38-pin AMP Mictor (Matched Impedance ConnectOR) connector

RCR isolation networks integrated into cable end for signal conditioning

High input impedance design minimizes circuit intrusion

High transient noise immunity

Mechanical & Support Support shrouds available for board thicknesses up to 3.175 mm (0.125 in.)

Shroud part numbers: E5346-44701 (up to 1.575 mm), E5346-44704 (1.575–3.175 mm), E5346-44703 (3.175–4.318 mm)

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Key Features

- Direct Mictor connector interface for on-board probe point integration
- Low capacitive loading (3.0 pF) suitable for higher-frequency analysis
- Integrated signal conditioning via RCR isolation networks
- Optional support

E5346A Specifications

PARAMETER	VALUE
Voltage / Current Range	0.5 V peak-to-peak minimum

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

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

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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.