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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E5339A Mictor Low Voltage, 40-Pin Cable Connectors Probe

Agilent E5339A Mictor Low Voltage 40-Pin Cable Connectors Probe The Agilent E5339A isaMictor low-voltage 40-pin cable-connector probe for Agilent logic analyzers. It lands 40-pin Mictor connectors on the target for single-ended/LV digital capture with 16700/16800/16900-class analyzers and compatible probe cables. The Agilent E5339A isaMictor low-voltage 40-pin cable-connector probe for Agilent logic analyzers. It lands 40-pin Mictor connectors on the target for single-ended/LV digital capture with 16700/16800/16900-class analyzers and compatible probe cables.



MODEL

**Keysight / Agilent /
HP E5339A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5339A

LISTING

[https://aumictechlabs.c
om/products/e5339a-
2/](https://aumictechlabs.com/products/e5339a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E5339A is a low-voltage Mictor probe designed for direct signal access to target devices with 38-pin Mictor connectors. It captures and analyzes digital signals across 34 channels (32 single-ended data, 2 single-ended clock) and interfaces with Keysight logic analyzers via 40-pin cable connectors. The probe enables measurement of low-amplitude signals down to 250 mV peak-to-peak with minimal loading (3.0 pF equivalent load capacitance) and supports data rates up to 600 Mb/s. Technical Specifications Probe Type: Mictor low-voltage

probe Connector Type: AMP Mictor (part number 2-767004-2), 38-pin footprint Total Channels: 34 (32 single-ended data + 2 single-ended clock) Minimum Signal Amplitude: 250 mV peak-to-peak measurable Equivalent Load Capacitance: 3.0 pF Maximum Data Rate: 600 Mb/s (dependent on attached logic analyzer) Mictor Connector Impedance: 50 Ω Isolation Resistance: 10,000 M Ω Operating Temperature Range: -55 °C to +150 °C Key Features Mictor connectors employ microstrip design with dual signal contact rows and center power/ground plane for controlled impedance and signal integrity Compact probe footprint with support shrouds available for PCB thicknesses up to 0.120 inches (3.05 mm) Prevents accidental disconnection and protects adapter cable Mictor connector architecture supports characteristic 50 Ω impedance for high-speed signal access Typical Applications Logic analysis on systems with Mictor connector implementations Low-voltage digital signal probing in embedded and high-speed systems Real-time capture of clock and data signals during system debug Compatibility & Integration Compatible with Keysight logic analyzers equipped with 40-pin cable connectors Requires 38-pin Mictor footprint on target PCB Integrates target-side AMP Mictor receptacle (part number 2-767004-2) Status: This product is obsolete and no longer manufactured due to non-compliance with EU RoHS directive 2011/65/EU. Keysight provides ongoing service and support through end-of-life.

Features & description

From manufacturer datasheet

Applications

- Logic analyzer Mictor 40-pin target connection

E5339A Characteristics / Specifications

PARAMETER	VALUE
Model	E5339A
Manufacturer	Agilent / Keysight
Instrument Type	Mictor Low Voltage 40 Pin Probe
Alias	E5339A; Agilent E5339A
Connector	40-pin Mictor
Signal Class	low voltage digital
Host Analyzers	Agilent 167xx/168xx/169xx logic analyzers
Related E5383A	single-ended flying leads with 40-pin cable
Related Retention Kit	E5396 68702
Function	probe cable to Mictor target
Channels Class	40-pin Mictor grouping (clocks+data per pinout)
Not Flying Leads	Mictor housing not E5383A leads
Not E54	different soft-touch family
Form	probe cable assembly
Voltage	low-voltage logic (observe analyzer threshold)
Status	Agilent LA probe accessory
Pinout	Agilent 40-pin Mictor probe pinout
Retention	use matching retention modules
Documentation	E5339A probe guide
ESD	ESD-sensitive probe
Cable	40-pin cable connectors
Use	digital timing/state capture
Compatibility	confirm analyzer pod and threshold

PARAMETER

VALUE

Calibration

probe accessory; analyzer cal separate Notes Mictor LV 40-pin probe identity from Agilent E5339A catalog. Threshold and supported data rates are analyzer/pod dependent: confirm the connected logic-analyzer module.

E5339A Specifications

PARAMETER	VALUE
Applications	- Logic analyzer Mictor 40-pin target connection
Key Features	- 40-pin Mictor
Technical Specifications	Model: E5339A

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	E5339A
Manufacturer	Agilent / Keysight
Instrument Type	Mictor Low Voltage 40 Pin Probe
Specifications	
PARAMETER	VALUE
Alias	E5339A; Agilent E5339A
Connector	40-pin Mictor
Signal Class	low voltage digital
Specifications	
PARAMETER	VALUE
Host Analyzers	Agilent 167xx/168xx/169xx logic analyzers
Related E5383A	single-ended flying leads with 40-pin cable
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Specifications	
PARAMETER	VALUE
Function	probe cable to Mictor target
Channels Class	40-pin Mictor grouping (clocks+data per pinout)
Not Flying Leads	Mictor housing not E5383A leads
Specifications	
PARAMETER	VALUE
Not E5404	different soft-touch family
Form	probe cable assembly
Voltage	low-voltage logic (observe analyzer threshold)

Specifications

PARAMETER	VALUE
Status	Agilent LA probe accessory
Pinout	Agilent 40-pin Mictor probe pinout
Retention	use matching retention modules

Specifications

PARAMETER	VALUE
Documentation	E5339A probe guide
ESD	ESD-sensitive probe
Cable	40-pin cable connectors

Specifications

PARAMETER	VALUE
Use	digital timing/state capture
Compatibility	confirm analyzer pod and threshold
Calibration	probe accessory; analyzer cal separate

Notes

Mictor LV 40-pin probe identity from Agilent E5339A catalog. Threshold and supported data rates are analyzer/pod dependent: confirm the connected logic-analyzer module.

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.