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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E5383A Single-ended Flying Leads with 40-pin Cable Connector

Agilent E5383A Single-Ended Flying Leads with 40-Pin Cable Connector The Agilent E5383A is a single-ended flying-lead probe set with a 40-pin cable connector for Agilent logic analyzers. Individual leads grab test points when a Mictor footprint is not available. Companion to E5339A Mictor 40-pin probe. Instrument Type: Single Ended Flying Lead Probe Set Host Analyzers: Agilent 167xx/168xx/169xx The Agilent E5383A is a single-ended flying-lead probe set with a 40-pin cable connector for Agilent logic analyzers. Individual leads grab test points when a Mictor footprint is not available. Companion to E5339A Mictor 40-pin probe. Instrument Type: Single Ended Flying Lead Probe Set Host Analyzers: Agilent 167xx/168xx/169xx Function: grabber leads to 40-pin analyzer cable



MODEL

**Keysight / Agilent /
HP E5383A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5383A

LISTING

<https://aumictechlabs.com/products/e5383a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E5383A is a single-ended flying lead probe set engineered for logic analyzer signal acquisition on target systems with dispersed or non-standard probing points. The set delivers 17 channels - 16 data channels plus 1 clock channel - enabling flexible access to signals across randomly located nodes. Connection options include 20 included IC test clips for direct

attachment to component leads, five ground leads for reference establishment, or direct connection to designed-in connectors. The probe accommodates 0.63 mm square pins or 0.66–0.84 mm diameter round pins. Technical Specifications Channel Count: 17 channels (16 single-ended data + 1 single-ended clock) Load Capacitance: 1.5 pF equivalent Minimum Signal Amplitude: 600 mV peak-to-peak Included Accessories: 20 IC test clips, 5 ground leads Weight: Approximately 1 lb Key Features Single-ended measurement architecture for direct signal probing Low parasitic load at 1.5 pF simplifies high-frequency signal integrity analysis IC test clip attachment eliminates need for board modifications Ground lead set provides flexible reference point establishment Pin compatibility spans both square and round contact geometries Typical Applications Logic state and timing analysis on prototype and production boards Signal characterization where PCB test points are not available Multi-channel synchronous data capture across distributed measurement nodes Device bring-up and debug workflows requiring minimal target system modification Compatibility & Integration The E5383A interfaces with logic analyzers equipped with 40-pin cable connectors. This probe is commonly deployed with Keysight's 16500 series logic analyzer platforms, which support modular measurement capabilities including state/timing analysis, pattern generation, and digitizing oscilloscope functions.

Features & description

From manufacturer datasheet

Applications

- Flying-lead logic-analyzer probing

E5383A Characteristics / Specifications

PARAMETER	VALUE
Model	E5383A
Manufacturer	Agilent / Keysight
Instrument Type	Single Ended Flying Lead Probe Set
Alias	E5383A; Agilent E5383A
Lead Type	single-ended flying leads
Cable Connector	40-pin
Host Analyzers	Agilent 167xx/168xx/169xx
Related E5339A	Mictor 40-pin LV probe
Related Retention Kit	E5396 68702
Function	grabber leads to 40-pin analyzer cable
Not Differential	single-ended only
Not Mictor Housing	flying leads not E5339A
Form	lead set plus 40-pin cable
Voltage	logic thresholds set on the analyzer
Status	Agilent LA probe accessory
ESD	ESD-sensitive
Ground	include ground leads per probe guide
Documentation	E5383A flying-lead guide
Use	digital capture on test points
Compatibility	40-pin analyzer pods
Channel Count	leads mapped per 40-pin pinout
Calibration	accessory; analyzer cal separate
Length	flying-lead length per E5383A kit
Replace	worn grabbers/leads Notes Single-ended flying-lead 40-pin set identity from Agilent E5383A. Do not invent pF loading or GHz bandwidth; use the E5383A probe guide for loading.

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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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.