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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) E5404A Pro Series Soft Touch Connectorless Probe

Keysight / Agilent E5404A Pro Series Soft Touch Connectorless Probe The E5404A isaPro Series soft-touch connectorless logic-analyzer probe for high-density single-ended probing without mating connector on the target. Part of Agilent/Keysight soft-touch probe family for 16800/16900 and related logic analyzers. The E5404A isaPro Series soft-touch connectorless logic-analyzer probe for high-density single-ended probing without mating connector on the target. Part of Agilent/Keysight soft-touch probe family for 16800/16900 and related logic analyzers.



MODEL

**Keysight / Agilent
E5404A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5404A

LISTING

<https://aumictechlabs.com/products/e5404a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E5404A Pro Series Soft Touch Connectorless Probe delivers signal acquisition for logic analysis without traditional connector hardware. This single-ended probing solution integrates directly into PCB layouts via a industry-standard connectorless footprint, reducing mechanical footprint by 30% compared to earlier Pro Series designs. Micro spring-pin technology maintains signal integrity across board surface variations and minor contamination, while the top-side retention module eliminates back-side access requirements - critical for densely populated or

thick board assemblies. Technical Specifications Probe Type: Single-ended Total Channels: 34 (32 single-ended data channels, 2 single-ended clock channels) Maximum Data Rate: > 2.5 Gb/s Equivalent Load Capacitance: < 0.7 pF Minimum Signal Amplitude: 500 mV peak-to-peak Footprint: Industry-standard connectorless, 30% smaller than original Pro Series soft touch probes Key Features Micro spring-pin contact technology accommodates uneven surfaces and residual contamination Top-side retention module mounts on probe side - no underside board access needed Single footprint design works across board thicknesses without specialized retention hardware Compatible with all board surface finishes, including lead-free Minimal loading: < 0.7 pF equivalent capacitance preserves signal fidelity in high-speed designs Typical Applications High-speed digital signal acquisition above 2.5 Gb/s Logic analysis in space-constrained PCB layouts Testing on multilayer boards where back-side access is impractical Verification of lead-free and advanced surface finishes Compatibility & Integration Requires industry-standard Pro Series soft touch connectorless footprint designed into target PCB Compatible with logic analyzers equipped with 40-pin cable connectors Operates across all standard board surface materials

Features & description

From manufacturer datasheet

Features

- Probe type: Pro Series soft-touch connectorless
- Signal type: single-ended
- Channel class: 34-channel soft-touch Pro Series family (E5404A class)
- Target: no mating connector required (soft-touch contact)
- Compatible ecosystem: Agilent/Keysight logic analyzers supporting Pro Series soft-touch probes
- Use model: flying mid-bus / board probing where connectors are undesirable

Applications

- Connectorless mid-bus / FPGA probing
- High-density single-ended digital capture
- Soft-touch Pro Series logic analyzer probing

E5404A Characteristics / Specifications

PARAMETER	VALUE
Model	E5404A
Manufacturer	Keysight / Agilent
Instrument Type	Soft Touch Connectorless Logic Analyzer Probe
Alias	E5404A; Agilent E5404A; Keysight E5404A
Probe series	Pro Series Soft Touch
Signal type	single-ended
Channels class	34
Mating connector	none (connectorless) Notes Channel count and electrical limits from Keysight/Agilent soft-touch Pro Series probe literature. Confirm cable pod marking and analyzer compatibility on the unit.
Probe type	Pro Series soft-touch connectorless
Channel class	34-channel soft-touch Pro Series family (E5404A class)
Target	no mating connector required (soft-touch contact)
Compatible ecosystem	Agilent/Keysight logic analyzers supporting Pro Series soft-touch probes
Use model	flying mid-bus / board probing where connectors are undesirable

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

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Model	E5404A
Manufacturer	Keysight / Agilent
Instrument Type	Soft Touch Connectorless Logic Analyzer Probe
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Specifications

PARAMETER	VALUE
Probe series	Pro Series Soft Touch
Signal type	single-ended
Channels class	34
Mating connector	none (connectorless)

Notes

Channel count and electrical limits from Keysight/Agilent soft-touch Pro Series probe literature. Confirm cable pod marking and analyzer compatibility on the unit.

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.