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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E5382B

Keysight E5382B 17 Channel Single Ended Flying Lead Probe The Keysight E5382B is a 17-channel single-ended general-purpose flying lead probe for 90-pin logic analyzer pods, providing flexible point-to-point access for 16 data channels plus one clock at up to 1.5 Gb/s class rates. Prototype debug, sparse signal access without designed-in connectors, and mixed single-ended digital capture on logic analyzers with 90-pin pods. Single ended data with differential or single ended clock class support on family tables The Keysight E5382B is a 17-channel single-ended general-purpose flying lead probe for 90-pin logic analyzer pods, providing flexible point-to-point access for 16 data channels plus one clock at up to 1.5 Gb/s class rates. Prototype debug, sparse signal access without designed-in connectors, and mixed single-ended digital capture on logic analyzers with 90-pin pods. Single ended data with differential or single ended clock class support on family tables One point five Gb/s maximum data rate class



MODEL

**Agilent / Keysight
E5382B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E5382B

LISTING

<https://aumictechlabs.com/products/e5382b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E5382B is a 17-channel flying lead probe set engineered for high-speed digital signal acquisition with Keysight logic analyzers. This probe set delivers 1.5 Gb/s maximum data rate with minimal loading - 1.3 pF equivalent input capacitance - making it suitable for non-

invasive probing of high-speed digital designs. The configuration includes 16 single-ended data channels and one channel configurable as single-ended or differential for clock signals. A 90-pin cable connector interfaces directly with compatible logic analyzer pods.

Technical Specifications
Channels: 16 single-ended data + 1 clock (single-ended or differential) Maximum Data Rate: 1.5 Gb/s Input Capacitance: 1.3 pF (equivalent load) Minimum Signal Amplitude: 250 mV peak-to-peak

Key Features
Flying lead configuration allows probing at arbitrary locations without requiring designed-in connectors Low capacitive loading preserves signal integrity on high-speed nodes Comprehensive accessory set supports connection to IC pins, traces, pads, vias, and surface mount components Single connector interface simplifies pod integration

Typical Applications
Debugging high-speed digital circuits and communication interfaces Signal integrity analysis on PCB traces and IC nodes System-level timing and protocol verification Verification of designs lacking dedicated test connectors

Compatibility & Integration
The E5382B connects directly to Keysight logic analyzers equipped with 90-pin pod connectors. The probe set integrates with standard test accessories for flexible attachment to device-under-test nodes across discrete points or distributed signal paths.

E5382B Characteristics / Specifications

PARAMETER	VALUE
Model	E5382B
Instrument Type	general purpose flying lead logic analyzer probe
Channel Count	17
Data Channels	16
Clock Channels	1
Signal Type Data	single ended
Signal Type Clock	differential or single ended class
Maximum Data Rate	1.5 Gb/s
Analyzer Interface	90 pin pod connector
U4201A Cable Usage	one probe per U4201A cable
Compatible Analyzers Class	U4164A U4154A/B 16850 series and 90 pin modules
Minimum Signal Amplitude Class	analyzer and lead dependent flying lead class
Probe Style	flying leads for flexible connection
Primary Role	quick access without designed in header
Sibling Differential Model Class	E5381B
Leads Per Kit Class	17 channel set
Connection To DUT	individual flying leads
Pod Connector Gender Class	90 pin LA pod
Form Factor	handheld flying lead probe assembly
Supported Signal Access	single ended digital
Typical Use	sparse board probing
Application Class	flexible connection to many signals
Maximum Rate Family Table	1.5 Gb/s
Cable Adapter Modern Analyzers	U4201A
Data Rate	1.5 Gb/s

E5382B Specifications

PARAMETER	VALUE
One point five Gb/s maximum data rate class	Works through U4201A cables on modern analyzers
Technical Specifications	Model: E5382B
Notes	Numeric rows from Keysight Logic Analyzer Probing Solutions datasheet flying lead table for E5382B.

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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30-day returns
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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.