

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E5383A

The Keysight E5383A is a 17-channel single-ended flying lead set designed for logic analyzers with 40-pin cable connectors. It is ideal for probing distributed target points or a small number of lines. The kit includes 20 IC test clips and 5 ground leads, supporting signal acquisition down to 600 mV p-p with a very low 1.5 pF equivalent load capacitance.

SPECIFICATIONS

Physical

Operating Temperature	0 to 55 °C °C
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Electrical & Signal Acquisition Parameters

Number of Channels	17 (16 single-ended data, 1 single-ended clock)
Supported Signal Types	Single-ended
Equivalent Load Capacitance	1.5 pF
Input Resistance	100 kΩ
Minimum Voltage Swing	600 mV p-p
Maximum State Speed	Equivalent to the attached logic analyzer data rate

Physical & Mechanical Specifications

Target Pin Compatibility (Square)	0.63 mm
Target Pin Compatibility (Round)	0.66 mm - 0.84 mm

System Compatibility

Logic Analyzer Connector Type	90-pin cable connector
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Target Connectivity & Accessories

Included IC Test Clips	20
Included Ground Leads	5

Performance

Data Channels	16
Clock Channels	1

Electrical Characteristics

Maximum Input Voltage	±40 V peak
Signal Coupling	DC

Physical Specifications

Lead Length	31 cm (12 in)
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Compatibility

Compatible Analyzer Interface	90-pin cable connector
Supported Analyzers	Keysight / Agilent 16800 and 16900 Series (or any logic analyzer with 90-pin cable connectors)

TECHNOLOGY

Passive Probing

APPLICATIONS

Logic Analysis Probing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.