

TEKTRONIX

P6434

The Tektronix P6434 is a 34-channel high-density logic analyzer probe designed for use with Tektronix TLA series logic analyzers. It features a target connection based on the 38-pin AMP Mictor connector design, offering low capacitive loading and clean signal acquisition for high-speed digital systems.

SPECIFICATIONS

General

Interfaces	38-pin AMP Mictor target connector to Tektronix proprietary logic analyzer module interface
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Physical

Operating Temperature	0 °C to +50 °C °C
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Electrical Specifications

Number of Data Channels	32
Number of Clock Channels	2
Total Channels	34
Input Resistance	20 kΩ
Input Capacitance	2.0 pF
Maximum Input Voltage (Destruct Limit)	±15 V
Minimum Input Voltage Swing	300 mV p-p

Target Connection & Interface

Target Connection Type	38-pin AMP Mictor connector
Connector Pin Count	38
Pin Pitch	0.64 mm (0.025 in)

Instrument Compatibility & Interface

Compatible Logic Analyzer Series	Tektronix TLA600, TLA700
Compatible Acquisition Modules	TLA7N4, TLA7P4, TLA7Q4

Physical & Mechanical Properties

Probe Cable Length	1.8 m (6 ft)
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Environmental Limits

Storage Temperature Range	-55 °C to +75 °C
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Electrical

Input Dynamic Range	-2.5 V to +5.0 V
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Connectivity

Recommended Target Connector	AMP 38-pin MICTOR connector (e.g., 2-5767007-2)
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TECHNOLOGY

High-density logic analyzer probing (Mictor interface)

APPLICATIONS

Digital system debug, state and timing analysis on high-speed buses

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