

Tektronix Logic Analyzer

► P6400 Series Probe Selection Guide

► Tektronix Logic Analyzer P64xx Probe Selection Guide

	P6410	P6419	P6434
Logic Analyzer Used	TLA520x Logic Analyzer TLA7Lx/Mx/Nx/Px/Qx Logic Analyzer Modules	TLA520x Logic Analyzer TLA7Lx/Mx/Nx/Px/Qx Logic Analyzer Modules	TLA520x Logic Analyzer TLA7Lx/Mx/Nx/Px/Q Logic Analyzer Modules
Recommended Use	Recommended for most general-purpose applications	Recommended for applications requiring many channels to be quickly connected in a small footprint	Recommended for applications requiring many channels to be quickly connected in a small footprint
Attachment to Target System	Fits both 0.100 in. and 2 mm square pin configurations	Connectorless “compression” contact (Adapter for Mictor connector available)	AMP Mictor 34-channel connector (Adapter to use P6434 with P6860/80 high-density compression land footprint available)
Probe Type	General-purpose, 17-channel passive probe	High-density, 17-channel passive probe	High-density, 34-channel passive probe AMP Mictor connector required
Pin Spacing Supported	0.100 in. and 2 mm	N/A	N/A
Logic Signals Supported	Single-ended Clock and Data (Differential signal adapters available)	Single-ended Clock and Data	Single-ended Clock and Data
Simultaneous State/Timing	235 MHz/8 GHz	235 MHz/8 GHz	235 MHz/8 GHz
Simultaneous State/Timing/Analog	N/A	N/A	N/A
Minimum Signal Amplitude Minimum Single-ended	500 mV _{pk-pk}	500 mV _{pk-pk}	500 mV _{pk-pk}
Minimum Differential	N/A	N/A	N/A
Probe Load AC/DC	<2 pF/20 kΩ to 0 V (TLA5000) <2 pF/20 kΩ to 2.2 V (TLA600, TLA7N/P/Qx)	<0.7 pF/20 kΩ to 0 V	<2 pF/20 kΩ to 0 V
Notes	Works with a wide-range of industry-standard accessories for flexible attachment to your target system	No connector required; only land pads required to be laid out on target system	Requires AMP Mictor connector to be installed on target system PCB for every 34 channels. Please refer to P6434 probe manual

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