

Tektronix Logic Analyzers P6400 Series Probe Selection Guide



► Tektronix Logic Analyzer P64xx Probe Selection Guide

	P6417	P6418	P6419	P6434
Logic Analyzer Used	TLA6xx Logic Analyzers TLA520x Logic Analyzer TLA7Lx/Mx/Nx/Px/Qx Logic Analyzer Modules			
Recommended Use	Recommended for most general-purpose uses that require maximum flexibility	Recommended for most general-purpose uses	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	Probe leadsets adapt to industry standard interfaces; leads spread over a wide area	Probe leadsets adapt to industry standard interfaces	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	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	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 (Differential signal adapters available)	Single-ended Clock and Data	Single-ended Clock and Data
Simultaneous State/Timing to:	235 MHz/8 GHz			
Simultaneous State/Timing/Analog to:	N/A			
Minimum Signal Amplitude Minimum Single-ended	500 mV _{p-p}			
Minimum Differential	N/A			
Probe Load AC/DC	2 pF/ 20 kΩ to 2.2 V (Low-voltage adapters that work with low-voltage signals are available)	2 pF/ 20 kΩ to 2.2 V (Low-voltage adapters that work with low-voltage signals are available)	<0.7 pF/ 20 kΩ to ground	2 pF/ 20 kΩ to 2.2 V
Notes	Works with a wide-range of industry-standard accessories for flexible attachment to your target system	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

Contact Tektronix

ASEAN / Australasia / Pakistan (65) 6356 3900

Austria +43 2236 8092 262

Belgium +32 (2) 715 89 70

Brazil & South America 55 (11) 3741-8360

Canada 1 (800) 661-5625

Central Europe & Greece +43 2236 8092 301

Denmark +45 44 850 700

Finland +358 (9) 4783 400

France & North Africa +33 (0) 1 69 86 80 34

Germany +49 (221) 94 77 400

Hong Kong (852) 2585-6688

India (91) 80-22275577

Italy +39 (02) 25086 1

Japan 81 (3) 6714-3010

Mexico, Central America & Caribbean 52 (55) 56666-333

The Netherlands +31 (0) 23 569 5555

Norway +47 22 07 07 00

People's Republic of China 86 (10) 6235 1230

Poland +48 (0) 22 521 53 40

Republic of Korea 82 (2) 528-5299

Russia, CIS & The Baltics +358 (9) 4783 400

South Africa +27 11 254 8360

Spain +34 (91) 372 6055

Sweden +46 8 477 6503/4

Taiwan 886 (2) 2722-9622

United Kingdom & Eire +44 (0) 1344 392400

USA 1 (800) 426-2200

USA (Export Sales) 1 (503) 627-1916

For other areas contact Tektronix, Inc. at: 1 (503) 627-7111

Last Update March 01, 2004

For Further Information

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05/04 HB/WOW

52W-17870-0

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