



# P6400 Series

Logic Analyzer Probe Selection Guide

## OVERVIEW

### Notice to EU customers

This product is not updated to comply with the RoHS 2 Directive 2011/65/EU and will not be shipped to the EU. Customers may be able to purchase products from inventory that were placed on the EU market prior to July 22, 2017 until supplies are depleted. Tektronix is committed to helping you with your solution needs. Please contact your local sales representative for further assistance or to determine if alternative product(s) are available. Tektronix will continue service to the end of worldwide support life.

Logic Analyzer P64xx Probe Selection Guide

	P6410	P6419	P6434	P6450
Logic Analyzer Used	TLA520x Logic Analyzer			
Recommended Use	General-purpose applications that require maximum flexibility	Applications requiring many channels to be quickly connected in a small footprint	Applications requiring high channel count, a small footprint and fast connections	Applications requiring high signal density, quick reliable attachment and the best signal integrity
Attachment to Target System	Flying Leadset with Accessories	Connectorless "compression" contact (Adapter for Mictor connector available)	AMP Mictor 34-channel connector	D-Max™ Probing Technology Connectorless "compression" cLGA

Probe Type	General-purpose, 17-channel probe	High-density, 17-channel probe	High-density, 34-channel probe	High-density, 34 channel probe
Pin Spacing Supported	0.100 in. and 2 mm	N/A		
Logic Signals Supported	Single-ended Clock and Data (Differential signal adapters available)	Single-ended Clock and Data	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	235 MHz/8 GHz
Minimum Signal Amplitude Minimum Single-ended	500 mV <sub>p-p</sub>	500 mV <sub>p-p</sub>	500 mV <sub>p-p</sub>	500 mVpk-pk
Probe Load AC/DC	<2 pF/20 k. to 0 V	<0.7 pF/20 kΩ to 0 V (TLA5000)	2 pF/20 kΩ to 0 V (TLA5000)	<0.7 pF/20 k. to 0 V
Notes	<p>Works with a wide-range of industry-standard accessories for flexible attachment to your target system</p> <p>Differential Signals adapters are available.</p> <p>Also compatible with TLA7Lx/Mx/Nx/Px/Qx Logic Analyzer Modules.</p>	<p>No connector required; only land pads required to be laid out on target system.</p> <p>Adapter for Mictor connector available.</p> <p>Also compatible with TLA7Lx/Mx/Nx/Px/Qx Logic Analyzer Modules.</p>	<p>Requires AMP Mictor connector to be installed on target system PCB for every 34 channels.</p> <p>Adapter to use P6434 with P6860/80 high-density compression land footprint available.</p> <p>Also compatible with TLA7Lx/Mx/Nx/Px/Qx Logic Analyzer Modules.</p>	<p>No connector required; only land pads required to be laid out on target system PCB for 34 channels.</p> <p>Optional Flying leadset is available.</p> <p>Also compatible with TLA7Lx/Mx/Nx/Px/Qx Logic Analyzer Modules.</p>



Product(s) are manufactured in ISO registered facilities.

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Product(s) complies with IEEE Standard 488.1-1987, RS-232-C, and with Tektronix Standard Codes and Formats.

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