

**TLA7012 Tektronix Logic Analyzer
Declassification and Security
Instructions**

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- Worldwide, visit www.tektronix.com to find contacts in your area.

Logic Analyzer Technical Report

Date: Oct. 12, 2005

Subject: Memory Erasure & Parts in TLA7012.

MEMORY ERASURE PROCEDURE

This product contains an open architecture PC with a removable hard drive. All user storable data is stored on the hard drive. There are DOD approved scrubbing software packages available for the hard drive. We have no recommendations regarding the available packages. After the hard drive has been scrubbed, you can reinstall the operating system using the Image CD that came with the Logic Analyzer. This returns the Logic Analyzer hard drive to the initial factory shipped state.

Another approach is that you can simply remove the removable hard drive. It is located on the side panel for easy removal. This drive can then be stored or destroyed.

Turn the power off for at least 20 seconds to clear volatile memory.

Remove setup information from the BIOS by resetting the BIOS to default on power-up. Before exiting the BIOS setup, go to the Configuration page and select Video Configuration. Make the following changes:

- Set the Boot display setting to CRT+LFP
- Set the Local Flat Panel setting to Enabled.
- Go to the LFP Control Sub Menu and change the Backlight Control setting to PWM.

Save and Exit the BIOS setup.

Remove all CDs. Rewritable CDs can be formatted, stored or destroyed. Non-rewritable CDs can either be stored or destroyed.

If you have any questions, contact the Tektronix Technical Support Center at 1-800-833-9200*3.

MEMORY PARTS

671-5920-01 – Interface Board

Part Number	Reference designator	Description	Use
156-8978-00	U0100 U100	IC, Memory, CMOS, SDRAM; 4M X 16 Bit X 4 Banks, 64M	Synchronous DRAM: Stores the instrument code in volatile memory.
156-9307-00	U310	IC, Memory, CMOS, Flash; 4M X 8	Flash: Stores the instrument code and MAC address in non-volatile memory.
156-9540-00	U230	IC, Memory, CMOS, Flash, 2M (512 X 4)	Flash: Stores the model number and serial number in non-volatile memory.
156-9696-00	U520	IC, Memory, FPGA, 1Mbit	PROM: Contains the FPGA image for instrument control in non-volatile memory.

Logic Analyzer Technical Report

156-9811-00	U231	IC, Memory, CMOS, PROM, 4M	PROM: Contains the FPGA image for instrument control in non-volatile memory.
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039-0164-00 – Motherboard (made by the Radisys Corp.)

Part Number	Reference designator	Description	Use
Radisys part	MM1, MM2	SO-DIMM	SO-DIMM: Motherboard DDR2 volatile memory modules.
Atmel AT49LW080-33JU	U37	BIOS	Flash: Stores the BIOS in 8Mbit non-volatile Flash.
Intel / NH82801 FBM SL89K	U23	CMOS	CMOS: Motherboard ICH6 chipset CMOS volatile storage.

671-5921-00 – Front Panel Board

Part Number	Reference designator	Description	Use
163-1321-01	U413	IC, Processor, CMOS, EPROM, 8 KB	EPROM: Stores the front panel keypad code in non-volatile memory.
163-1453-00	U422	IC, Processor, CMOS, EPROM, 8 KB	EPROM: Stores the front panel keypad code in non-volatile memory.

Hard Disk Drive

Part Number	Reference designator	Description	Use
119-7189-00	Hard Disk Drive	Hard Disk Drive, 80 GB, 3.5 in., Hitachi	Contains the operating system, Applications software, captured waveform records, instrument settings, display image and user programs in non-volatile memory.

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