Installation Note

CPU Kit E8364-60026

For E835xA, E880xA, E836xA/B, and N5230A PNA Series Network Analyzers

- This CPU is only usable with firmware revision A.06.01 and higher. The latest PNA firmware revision can be downloaded from the Web at http://na.tm.agilent.com/ pna/firmware/firmware.htm.
- This CPU is only usable with Windows XP (because firmware revision A.06.01 requires XP).
- This CPU requires its own dedicated hard drive image. For E835xA and E880xA models, email Agilent at *support_ctd-soco@agilent.com* for specific instructions.

    ❏ If your PNA contains a PATA (parallel interface) HDD - distinguised by its 47 pin connector - you can order the HDD Assembly (N8981A). This assembly includes a new SATA (serial interface) HDD - distinguised by "Serial ATA" on the label - and a serial-to-parallel converter board.

    ❏ If your PNA contains a SATA (serial interface) HDD - distinguised by "Serial ATA" on the label - you can order the E8364-60192 HDD by itself as a replacement.

Ordering information is available on the Web at http://www.agilent.com/find/assist.

Description of the Kit

The CPU Kit provides a new 1.1 GHz CPU board and a USB hub cover plate for PNA models with a 4-port USB hub built into the rear panel. PNA models E835xA, E880xA, and E8362/3/ 4A do not require a cover plate. PNA model N5230A uses cover plate N5230-00006 (no vent holes) and a new set of screws. PNA models E836xB and E8361A use cover plate E8356-00022 (with vent holes) and the original set of screws that held the USB hub. The USB hub cover plate is necessary because the PNA power supply can't provide 1/2 amp to the four ports on the new CPU as well as the original four ports on the rear panel hub. If customers choose to operate the four ports on the rear panel hub in addition to the hub on the new CPU, they do so at their own risk. Agilent does NOT warrant the performance of this dual USB hub

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configuration.

<table>
<tr><td>NOTE</td><td>The new CPU board rear panel USB ports support USB 2.0, but the front panel USB port will remain USB 1.1. Please use the rear panel ports if speed is a consideration.</td></tr>
</table>

Items Included in the CPU Kit

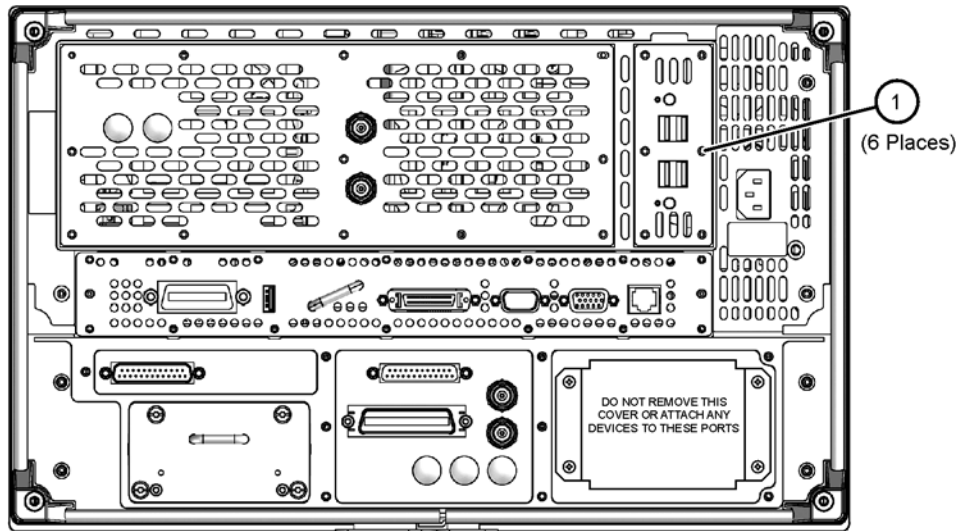| Description	Qty	Agilent Part Number
CPU board	1	E8364-60165
Cover plate (with vent holes)	1	E8356-00022
Cover plate (without vent holes)	1	N5230-00006
Screws (for attaching N5230-00006 cover plate to PNA N5230A)	2	0515-0430
Installation Note (this document)	1	E8364-90034

Installation Procedure for the CPU Kit

To view installation instructions for your CPU kit, please refer to the Service Guide for your PNA model. To view the Service Guide online, use the Search function at http://www.agilent.com.

1. When the PDF of the Service Guide is displayed, scroll through the Contents section bookmarks to locate "Repair & Replacement Procedures."

2. Click on the title/hyperlink for the section "Replacing A15 CPU Board."

3. Use these instructions to replace the original CPU board with the new one in the kit.

For PNA models E836xB and E8361A only:

1. In the PDF bookmarks, click on the title/hyperlink for the section "Removing the Covers."
2. Use these instructions to remove both the inner and outer covers of the PNA.
3. Locate the twisted-wire cable inside the PNA that connects the USB hub assembly to the Motherboard.
4. Disconnect this twisted-wire cable from the A14 Motherboard.
5. Refer to the following graphic in this document.
6. With a T-10 TORX driver, remove the six screws (item ①) from the USB hub assembly.
7. Remove the USB hub assembly and its twisted-wire cable from the PNA.
8. Install cover plate E8356-00022 (with vent holes), using the same six screws that held the original USB hub assembly.

(1) (6 Places)

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For PNA model N5230A only:

1. Locate the group of four USB connectors on the lower portion of the PNA rear panel.
2. Install cover plate N5230-00006 (no vent holes) over the group of four USB connectors, using the two new screws provided in the kit. Install the screws in the unused threaded holes on either side of the group of four USB connectors.