

Installation Note

8757D Firmware Update/Replacement Kit
Part Number 08757-60129



Agilent Part Number: 08757-90176

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Supersedes July 1994

Notice.

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Description of the Firmware Update

This firmware kit applies to the 8757D Network Analyzer containing a cathode ray tube (CRT) or a liquid crystal display (LCD).

About the Upgrade Kit

Products affected:	8757D and all options
Installation to be performed by:	Agilent service center, personnel qualified by Agilent, or customer
Firmware revision:	6.2 for instruments using a CRT 7.1 for instruments using a LCD

If you need assistance, contact Agilent Technologies. Refer to [“Contacting Agilent” on page 7](#) for a list of offices.

Items Included in the Update Kit

- Two EPROMs
- Installation note

Electrostatic Discharge Protection

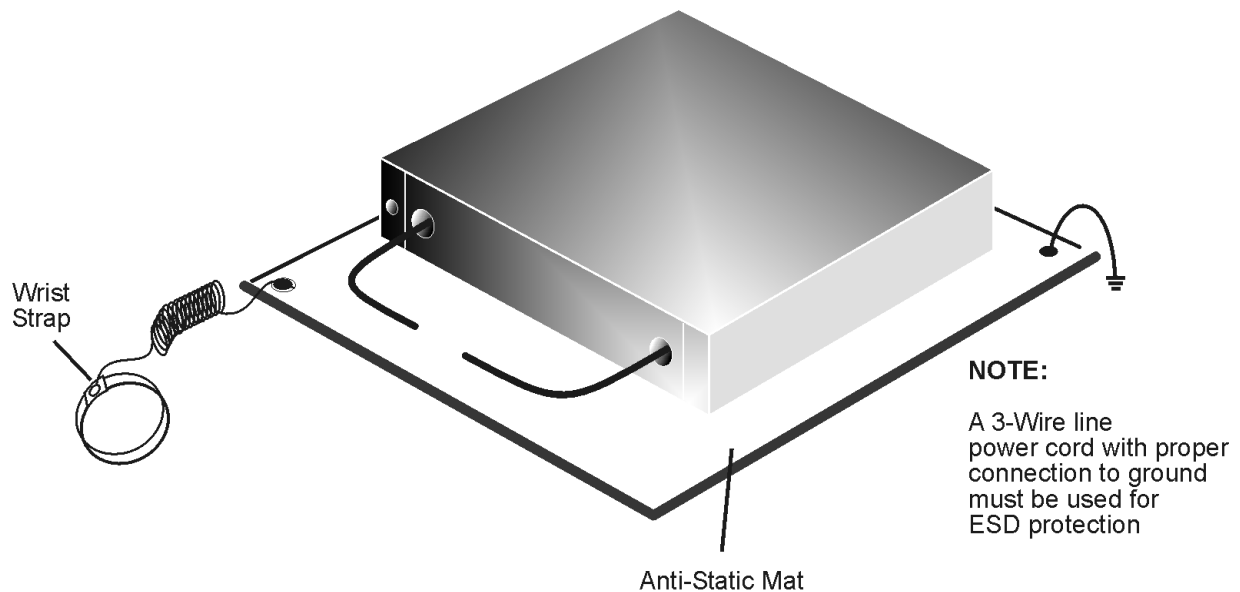
Protection against electrostatic discharge (ESD) is essential while removing or connecting cables or assemblies within the network analyzer.

Static electricity can build up on your body and can easily damage sensitive internal circuit elements when discharged. Static discharges too small to be felt can cause permanent damage. To prevent damage to the instrument:

- *always* wear a grounded wrist strap having a 1 M Ω resistor in series with it when handling components and assemblies.
- *always* use a grounded, conductive table mat while working on the instrument.
- *always* wear a heel strap when working in an area with a conductive floor. If you are uncertain about the conductivity of your floor, wear a heel strap.

Figure 1 shows a typical ESD protection setup using a grounded mat and wrist strap.

Figure 1 ESD Protection Setup



ku310b

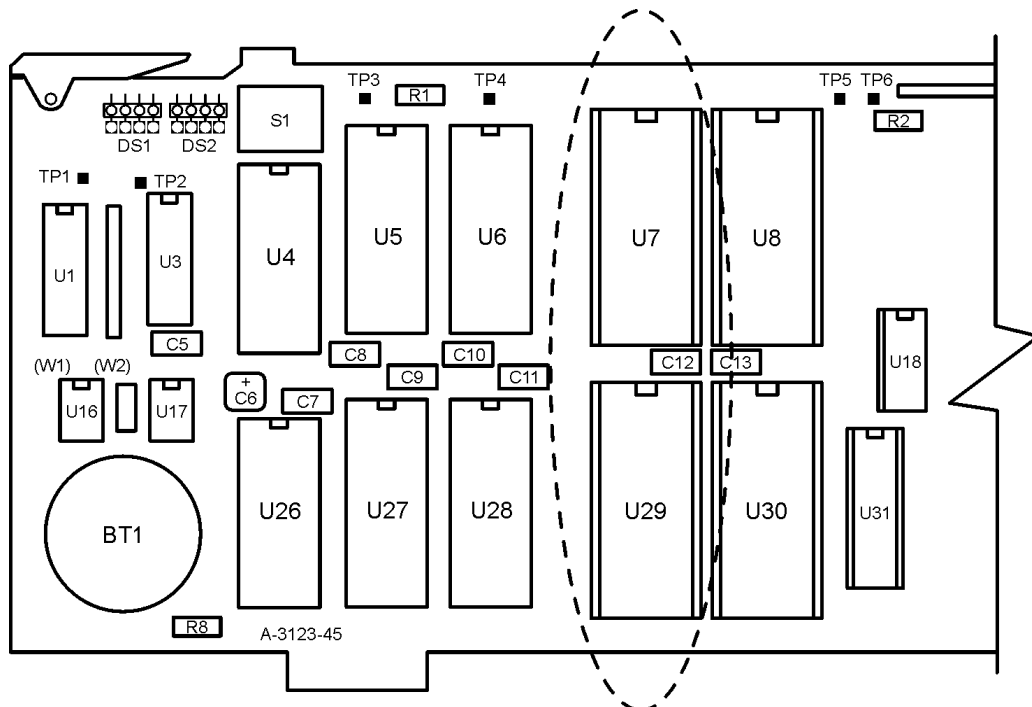
Firmware Update Procedure

WARNING

The opening of covers or removal of parts is likely to expose dangerous voltages. Disconnect the product from all voltage sources while it is being opened.

1. Turn off the instrument and disconnect the power cord.
2. Loosen the center screw located on the cover's back edge and remove the top cover. (If necessary, remove the two rear feet.)
3. Remove the PC board cover by removing two screws.
4. Remove the CPU board (identified by the orange extractors) by gently lifting both extractors at the same time.
5. Using an IC extraction tool, gently remove EPROM U29 and U7 from their sockets. You may encounter some resistance as you remove the EPROMs.

Figure 2 A3 CPU Board



ja636d

6. Insert the new EPROMs listed below. Place the notch on the EPROM toward the top of the board. Visually confirm that each pin is seated properly in the socket.

Reference Designators	CRT Display (revision 6.2)	LCD Flat Panel (revision 7.1)
U7	08757-80096	08757-80103
U29	08757-80097	08757-80104

7. Insert the CPU board.

8. Install the PC board cover using two screws.

9. Connect the power cord and turn on the instrument.

At the completion of the self-test, the display should indicate the revision number. If the appropriate revision number does not appear, check the following:

- location of the EPROMs (verify U7 and U29 are not reversed)
- insertion of the EPROMs (no pins folded inside or outside the sockets)
- correct firmware revision number on the EPROM label

If you need assistance, contact Agilent Technologies. Refer to [“Contacting Agilent” on page 7](#) for a list of offices.

Contacting Agilent

Table 2-1 Contacting Agilent

Online assistance: www.agilent.com/find/assist			
United States <i>(tel)</i> 1 800 452 4844	Latin America <i>(tel)</i> (305) 269 7500 <i>(fax)</i> (305) 269 7599	Canada <i>(tel)</i> 1 877 894 4414 <i>(fax)</i> (905) 282-6495	Europe <i>(tel)</i> (+31) 20 547 2323 <i>(fax)</i> (+31) 20 547 2390
New Zealand <i>(tel)</i> 0 800 738 378 <i>(fax)</i> (+64) 4 495 8950	Japan <i>(tel)</i> (+81) 426 56 7832 <i>(fax)</i> (+81) 426 56 7840	Australia <i>(tel)</i> 1 800 629 485 <i>(fax)</i> (+61) 3 9210 5947	Singapore <i>(tel)</i> 1 800 375 8100 <i>(fax)</i> (65) 836 0252
Malaysia <i>(tel)</i> 1 800 828 848 <i>(fax)</i> 1 800 801 664	Philippines <i>(tel)</i> (632) 8426802 <i>(tel) (PLDT subscriber only):</i> 1 800 16510170 <i>(fax)</i> (632) 8426809 <i>(fax) (PLDT subscriber only):</i> 1 800 16510288	Thailand <i>(tel) outside Bangkok:</i> (088) 226 008 <i>(tel) within Bangkok:</i> (662) 661 3999 <i>(fax)</i> (66) 1 661 3714	Hong Kong <i>(tel)</i> 800 930 871 <i>(fax)</i> (852) 2506 9233
Taiwan <i>(tel)</i> 0800-047-866 <i>(fax)</i> (886) 2 25456723	People's Republic of China <i>(tel) (preferred):</i> 800-810-0189 <i>(tel) (alternate):</i> 10800-650-0021 <i>(fax)</i> 10800-650-0121	India <i>(tel)</i> 1-600-11-2929 <i>(fax)</i> 000-800-650-1101	

** For Agilent Internal Reference Only **

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