

## S E R V I C E N O T E

SUPERSEDES: NONE

**4287A RF LCR Meter****Serial Numbers:**

JP1KG00101/JP1KG00306

(except for JP1KG00249, JP1KG00250, JP1KG00253, JP1KG00254, JP1KG00286, JP1KG00288, JP1KG00290, JP1KG00296, JP1KG00297, JP1KG00298, JP1KG00300, JP1KG00301, JP1KG00303 and JP1KG00304)

**Modification to fix booting problem****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

P/N	Description	Quantity
04287-85011	IC,Config ROM	1
04287-65006	Firmware Kit	1

**Situation:**

During the booting process, 4287A may stop the booting. It happens typically in NVRAM counting process.

*Continued*

DATE: September 2000

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 1.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: AY	ENTITY: 3355	AGILENT RESPONSIBLE UNTIL: September 2002	
		ADDITIONAL INFORMATION:	



**Solution / Action:**

To fix the problem, firmware update and IC replacement are required.

- 1) Install firmware revision 1.20 or above into the 4287A using the firmware kit. The procedure is described on the installation manual in the kit.
- 2) After the firmware installation, turn the 4287A power on. Check the firmware revision and confirm no error is displayed.
- 3) Remove an outer cover of the 4287A. Procedure is described on 4287A service manual.
- 4) Remove A21 analog interface board from the A20 motherboard.
- 5) Using an IC extractor, remove the IC in U27 socket on A21.
- 6) Insert 04287-85011 into the U27 socket on A21.
- 7) Place the A21 on the A20.
- 8) Place the outer cover to the 4287A
- 9) After IC replacement, turn the 4287A power on. Check no error is displayed.

**Note:**

Performance test isn't necessary, because this modification doesn't relate the analog performance.