

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

4284A-14A

S E R V I C E N O T E

Supersedes:
4284A-14

Agilent 4284A Precision LCR Meter

Serial Numbers: 0000J00000 / 2940J13552

New Part Numbers for CPU Board and EEPROM

**Parts Required:
See Solution / Action**

To Be Performed By: Agilent-Qualified Personnel

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR: H.O PRODUCT LINE: WN

ADDITIONAL INFORMATION:

© AGILENT TECHNOLOGIES, INC. 2003
PRINTED IN U.S.A.



February 10, 2003

Situation:

The CPU board used in the 4284A was obsoleted and replaced with a new CPU board. The old CPU board is not available any more. When the CPU board is defective, use the new replacement CPU board (P/N:04284-66667 or 04284-69667).

New EEPROM compatible with the new CPU board is also set up. The new EEPROM can be used for the new CPU board only.

Solution/Action:

When replacing the CPU board or EEPROM, use the replacement parts specified below:

1. Parts required when replacing the CPU board or EEPROM

Part Number	Qty	Description
04284-66667 ¹	1	4284A A7 CPU board without ROM
04284-69667	1	4284A A7 CPU board without ROM (Exchange)
5183-4149	4	EEPROM

2. Compatibility between the CPU boards and EEPROMs

Description	Old Part Number	New Part Number
A7 CPU board without ROM	04284-66657 ²	04284-66667 ³
A7 CPU board without ROM (Exchange)	04284-69657 ²	04284-69667 ³
EEPROM	1818-5719 ⁴	5183-4149 ⁵

3. Post repair procedure

The following adjustments are required after the A7 is replaced.

- DC BIAS LEVEL ADJUSTMENT⁶
- TEST SIGNAL LEVEL / LEVEL MONITOR ADJUSTMENT
- IMPEDANCE MEASUREMENT ADJUSTMENT

If the 4284A has option 006, install the option 006 to the 4284A in accordance with the service note: 4284A-03 before the necessary adjustments are performed.

¹ The part number 04284-66667 is an original A7 CPU board.

² Without ROM SET(04284-86303) / Without 4 EEPROMs(1818-5719)

³ Without ROM SET(04284-86303) / With 4 EEPROMs(5183-4149)

⁴ Can be distinguished with the manufacturer part number HN58V65AP-10 on the top of the EEPROM and can not be used with the 04284-66667 or 04284-69667

⁵ Can be distinguished with the manufacturer part number HN58V66AP-10 on the top of the EEPROM and can not be used with the 04284-66657 or 04284-69657

⁶ Required for Option 001 only