

INFORMATION ONLY – DOES NOT COMMUNICATE  
A MODIFICATION OR SAFETY CONDITION

**4285A-12A**

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

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Supersedes:  
4285A-12

**Agilent 4285A Precision LCR Meter**

**Serial Numbers: 0000J00000 / 3041J03125**

**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: <b>INFORMATION ONLY</b>
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ADDITIONAL INFORMATION:

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**Situation:**

The CPU board used in the 4285A 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 <sup>1</sup>	1	4285A A7 CPU board without ROM
04284-69667	1	4285A 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 <sup>2</sup>	04284-66667 <sup>3</sup>
A7 CPU board without ROM (Exchange)	04284-69657 <sup>2</sup>	04284-69667 <sup>3</sup>
EEPROM	1818-5719 <sup>4</sup>	5183-4149 <sup>5</sup>

## 3. Post repair procedure

The following adjustments are required after the EEPROM is replaced.

- PHASE TRACKING ADJUSTMENT
- DC BIAS LEVEL ADJUSTMENT<sup>6</sup>
- TEST SIGNAL LEVEL / LEVEL MONITOR ADJUSTMENT
- IMPEDANCE MEASUREMENT ADJUSTMENT

<sup>1</sup> The part number 04285-66567 is an original A7 CPU board.

<sup>2</sup> Without ROM SET(04285-86003) / Without 4 EEPROMs(1818-5719)

<sup>3</sup> Without ROM SET(04285-86003) / With 4 EEPROMs(5183-4149)

<sup>4</sup> 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

<sup>5</sup> 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

<sup>6</sup> Required for Option 001 only