

# Modification Recommended Service Note

Supersedes:  
J7201C-01

## J7201C Attenuation Control Unit, DC to 26.5 GHz, 0 to 101 dB, 1-dB Steps

Serial Numbers: MY59400001 to MY61410049

**The Problem** – There is a potential issue where some instruments are unable to boot up and are stuck on the boot-up screen. They are not functioning.

### Parts Required:

| P/N         | Description                    | Qty. |
|-------------|--------------------------------|------|
| J7201-63004 | PPMC PCA-Programmed for J7201X | 1    |

### ADMINISTRATIVE INFORMATION

|               |                                                                              |                            |                                   |
|---------------|------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| ACTION        | <input checked="" type="checkbox"/> ON SPECIFIED FAILURE                     | STANDARDS                  |                                   |
| CATEGORY:     | <input type="checkbox"/> AGREEABLE TIME                                      | LABOR:                     | 1.0 Hours                         |
| LOCATION      | <input type="checkbox"/> CUSTOMER INSTALLABLE ( <b>No Parts involved</b> )   | SERVICE:                   | <input type="checkbox"/> RETURN   |
|               | <input checked="" type="checkbox"/> SERVICE CENTER                           | INVENTORY:                 | <input type="checkbox"/> SCRAP    |
| CATEGORY:     | <input type="checkbox"/> ON-SITE ( <b>active On-site contract required</b> ) |                            | <input type="checkbox"/> SEE TEXT |
|               | <input type="checkbox"/> CHANNEL PARTNERS                                    |                            | <input type="checkbox"/> SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE                                                       | NO CHARGE AVAILABLE UNTIL: | 5 May 2026                        |
|               | <input checked="" type="checkbox"/> Calibration Required                     | PRODUCT LINE:              | PLWN                              |
|               | <input type="checkbox"/> Calibration NOT Required                            | AUTHOR:                    | CT                                |

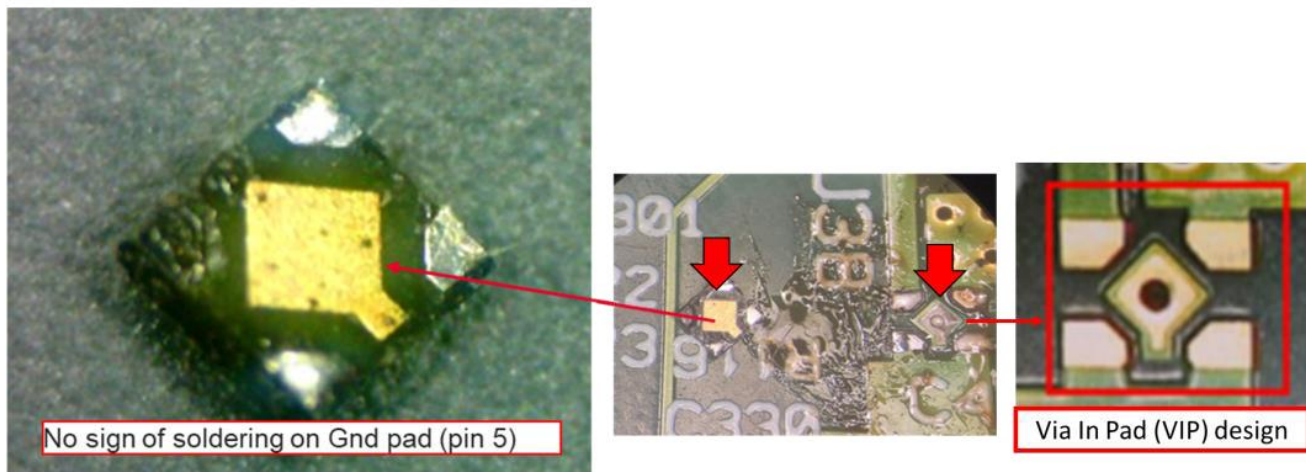
ADDITIONAL INFORMATION:

## Situation:

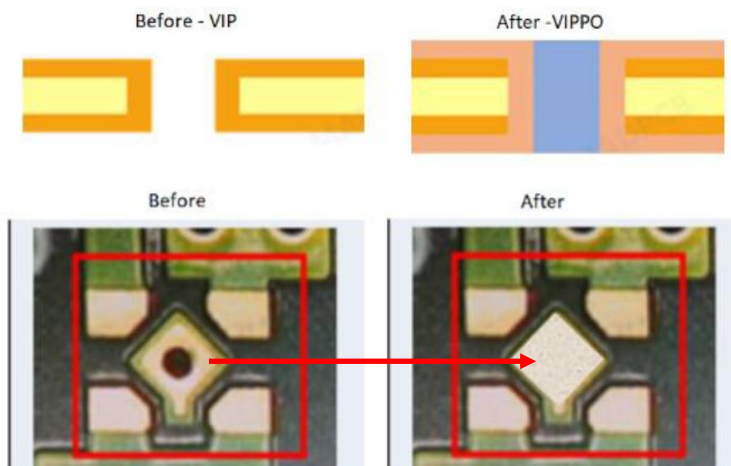
The instrument is unable to boot up and is stuck on the boot-up screen as follows. It is not functioning.



Failure analysis had indicated defective on P0600-63004 board where insufficient solder was observed at 2 locations. The insufficient solder was due to Via in Pad (VIP) where the melted solder had flown to the secondary side of the PCB.



The improvements were made from Via in Pad (VIP) to Via in Pad Plated Over (VIPPO) as per below.



The improved PPMC board have Serial number P06006300423**2413**000007 onwards.

Solution/Action:

Replace PPMC board P0600-63004 with Programmed PPMC board serial number P06006300423**2413**000007 onwards where 13 is the work week and 24 is the year.



After PPMC board replace with J7201-63004 Programmed PPMC board, continue with instrument repair procedure.

Revision History:

| Date        | Service Note Revision | Author | Reason for Change    |
|-------------|-----------------------|--------|----------------------|
| 05 May 2025 | 01                    | Lam CT | As Published         |
| 11 Aug 2025 | 02                    | Lam CT | Update Part required |
|             |                       |        |                      |
|             |                       |        |                      |