

HARDWARE ERRATA REPORT

P/N: **PCM-958-A**
 OMAP4 WiFi Module Adapter Board
 Revision A0, 25 November 2013

Errata ID	Errata Title	Affected PCB No.
01	Incorrect VCC_IO Voltage Supplied to WiFi Module	1368.0

E01: Incorrect VCC_IO Voltage Supplied to WiFi Module

Affected PCB: 1368.0

Errata Impact: Unstable WiFi functionality.

Errata Description: The IO voltage of the WiFi module is set by VCC_IO. The mapper board routes VCC_3V3 to VCC_IO. However, SDMMC5 on the OMAP4 is referenced to 1.8V, resulting in frequent SDIO read/write failures when interfacing with the WiFi module. Moreover, X_GPIO_[109:106] on the OMAP4 are referenced to 3.0V, although this does not seem to cause problems.

Workaround: Hardware solder rework is required:

1. On the mapper board, cut pins X3-10 and X3-12.
2. On the WiFi module, short pin X2-10 to X2-6.
3. (optional) On the mapper board, solder an 0805 10k resistor between X3-13 and X3-15 to prevent floating X_GPIO_108 (BT_WAKEUP). (Software workaround may also be available.)
4. (optional) On the mapper board, solder an 0805 10k resistor between X3-17 and X3-15 to prevent floating X_GPIO_107 (BT_EN). (Software workaround may also be available.)

Errata Fix: None