

PRODUCT NOTICE # 5-21-10-2



Subject:

VGEN2 (+3.15V) Regulation

Date:

5/21/10

Product:

ConnectCore Wi-i.MX51

Affected Part Numbers:

Part Number	Revision	Description
3001043x-01	A	ConnectCore Wi-i.MX51 module (PCB)
3001043x-01	B	ConnectCore Wi-i.MX51 module (PCB)

Notice:

Due to regulation issues, the VGEN2 (+3.15V) power supply generated by the on-module Freescale MC13892 PMIC varies with the actual input supply voltage (VLIO or +5V_IN) provided to the ConnectCore Wi-i.MX51 module.

The issue applies to the module PCB with Digi P/N **3001043x-01** revision **A** and **B** only.

Please note that other product revisions are not affected by this issue.

The VGEN2 voltage is 200-300mV below VLIO or +5V_IN, depending on the actual input supply pin used. Based on module component specifications, the maximum VGEN2 voltage level that can be tolerated is 3.6V. Excessive VGEN2 voltage may damage components.

The VGEN2 regulation issue is specifically affecting battery operated designs, where VLIO levels could result in excessive VGEN2 voltage levels due to the regulation issue.

In order to aid in the visual inspection process, the close-up images provided below outline the location of the PCB related Digi part number and revision information.

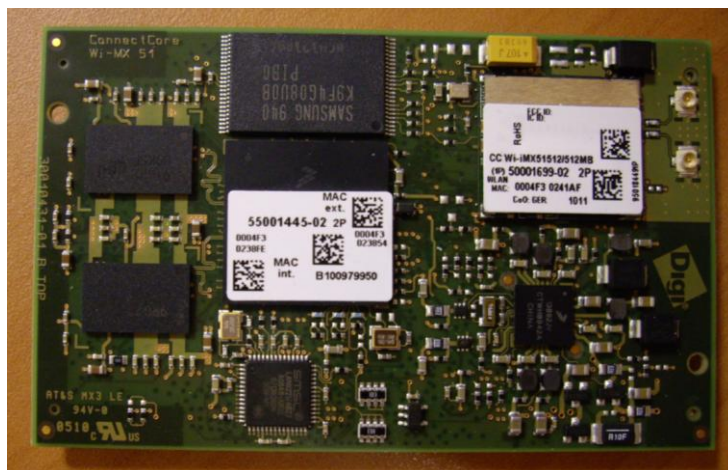


Figure 1: General orientation of module

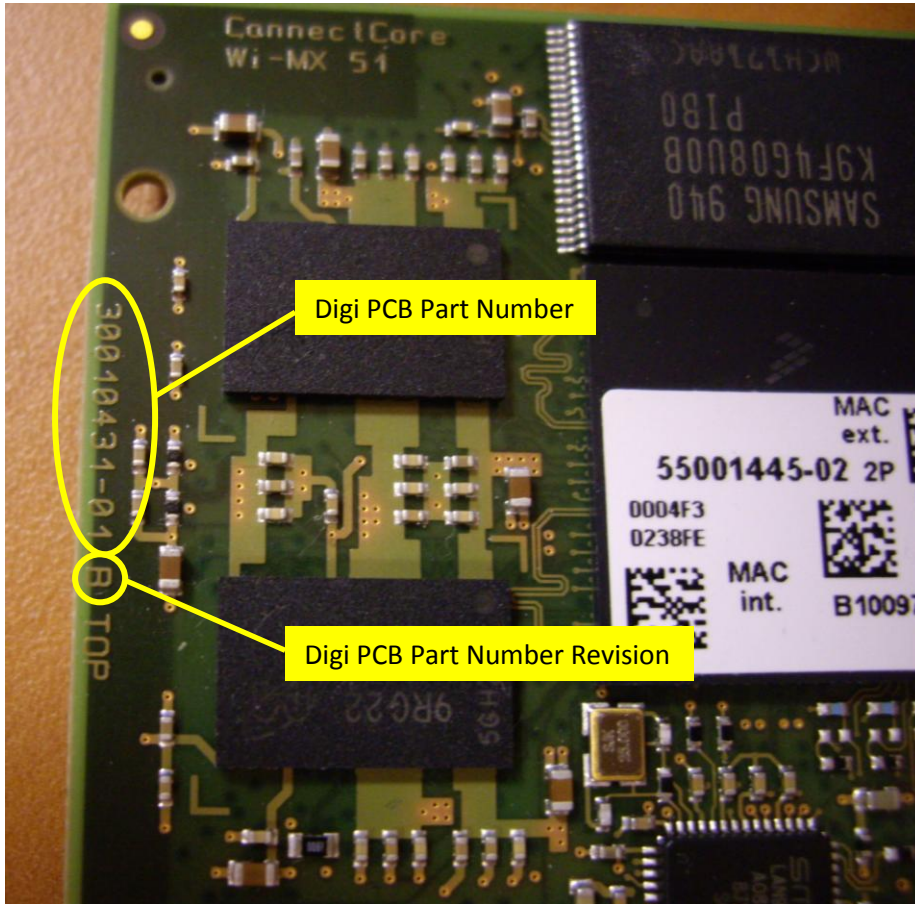


Figure 2: Close-up of PCB part number and revision information

If you have any questions or concerns, please contact the Digi technical support experts online at www.digi.com/support.

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