
Product Change Description

As the applicant of the below model, Barking Labs Corp. declares that the product,

FC1

is the variant of the initial certified product,

FC1

SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO
MMS/STK changes: NO
JAVA changes: NO
Operating System and version changes: NO
Firmware Version Product: 1.0
Hardware Version Product: Rev.B
Firmware Version Wi-Fi Component changes: NO
WIFI drive changes: NO
Supplicant changes: NO
WIFI features changes: NO
Other changes detailed: NO

HARDWARE MODIFICATION:

Band changes: NO
Power Amplifier changes: NO
Antenna changes: NO
PCB Layout changes: YES
Components on PCB changes: YES
LCD changes: NO
Speaker changes: NO
Camera changes: NO
Vibrator changes: NO
Bluetooth changes: NO
FM changes: NO
CPU changes: NO
WIFI Changes: NO

Other changes:

MECHANICAL MODIFICATIONS:

Use new metal front/back cover or keypad: NO

Mechanical shell changes: NO

Other changes detailed: NO

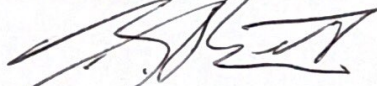
ACCESSORY MODIFICATIONS:

Battery changes: NO

AC Adaptor changes: NO

Earphone changes: NO

APPROVED BY: Bob Blake



Date: 2019-8-26

Company: Barking Labs Corp.

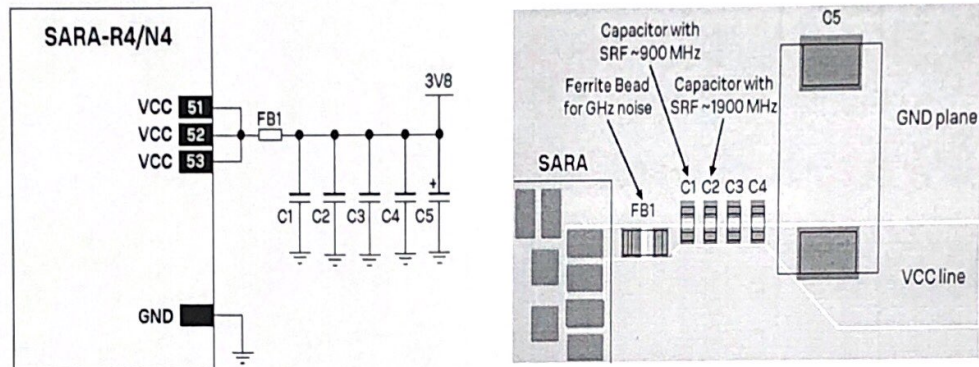
Address: 53 Bridge St., Suite 103, Brooklyn, NY, USA

Tel: +1-914-249-9347

Fax: N/A

1.1 Power Supply Decoupling Improvement

1.1.1 To follow SARA-R4 recommendations from u-blox, modify the schematics and PCB layout of FC1 as below.

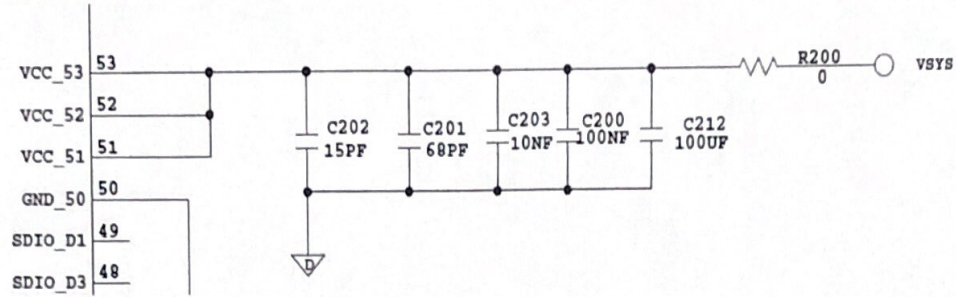


1.1.2 Change List:

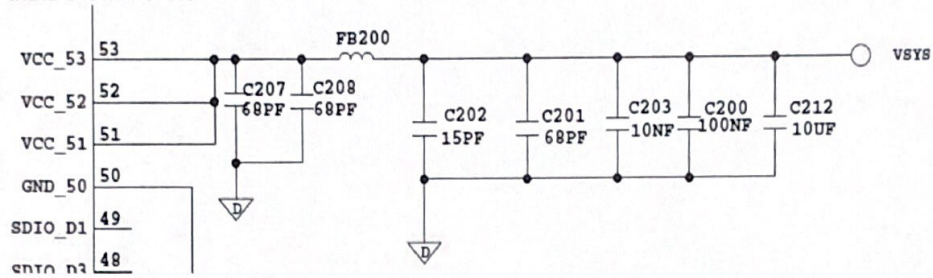
- 1) Change the 0 ohm resistor R200 to ferrite bead FB200 (refer to 1.2).
- 2) Move capacitors C201 and C202 to the location between bead and power supply (refer to 1.2).
- 3) Add 2 pcs 68pF capacitor (C207, C208) between the module and bead (refer to 1.2).
- 4) Change value of capacitor C212 to 10uF (refer to 1.2).
- 5) Remove 0 ohm resistor R101, and DNP footprint R102 (refer to 1.3).

1.2 Schematic Change (1)

1.2.1 Current Version

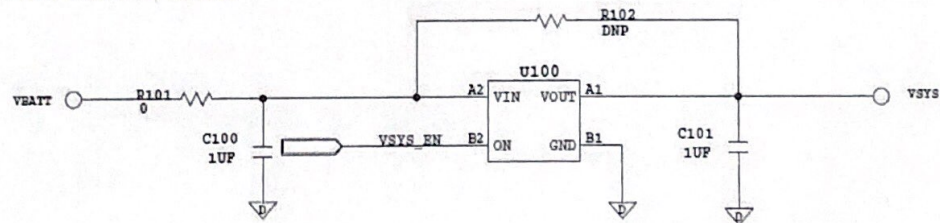


1.2.2 New Version

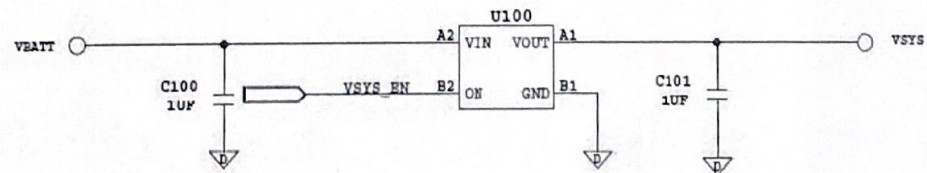


1.3 Schematic Change (2)

1.3.1 Current Version

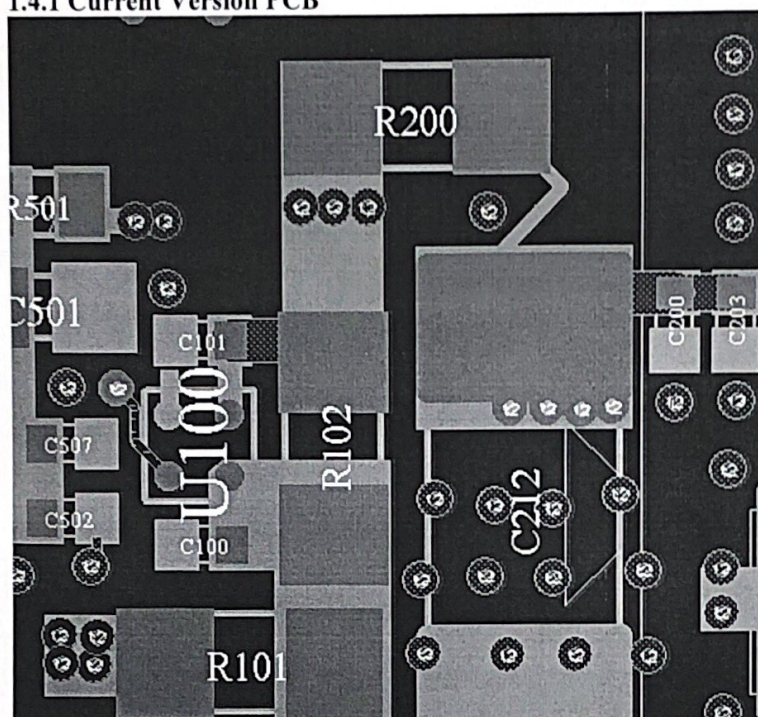


1.3.2 New Version

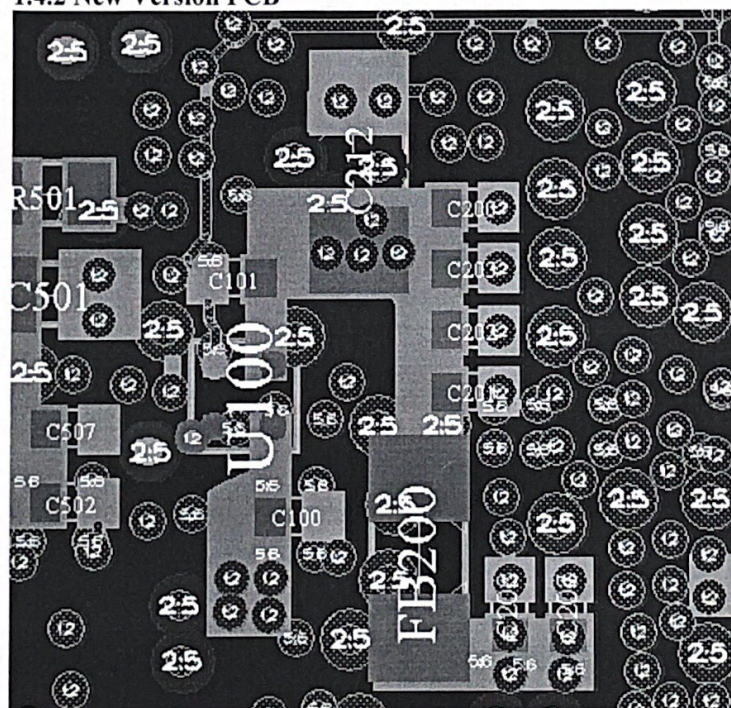


1.4 Layout Change (1-1)

1.4.1 Current Version PCB

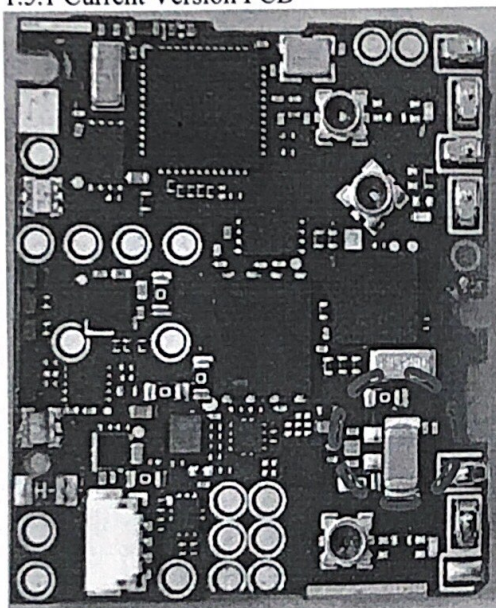


1.4.2 New Version PCB

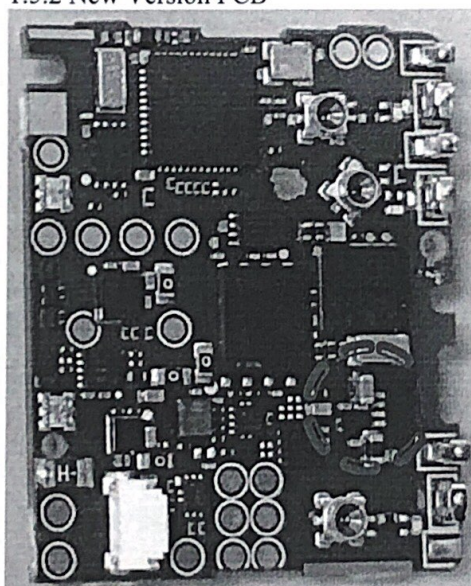


1.5 Layout Change(1-2)

1.5.1 Current Version PCB

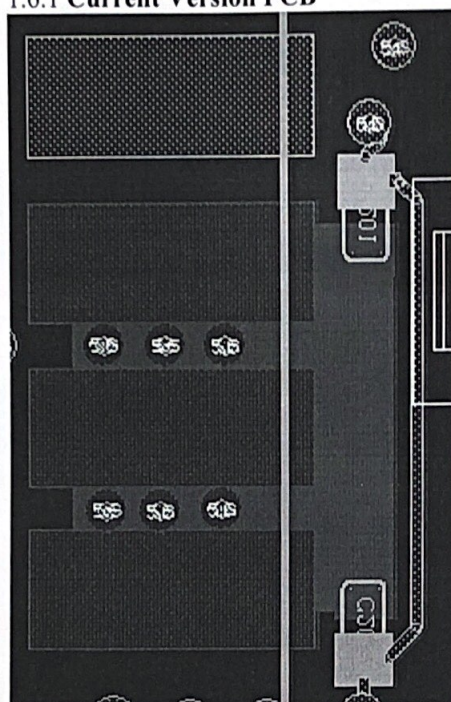


1.5.2 New Version PCB

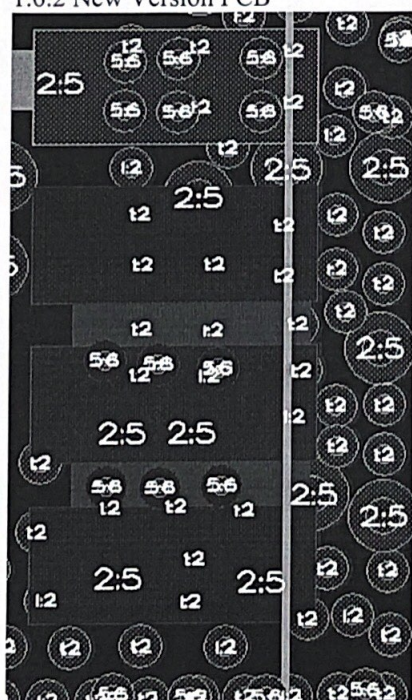


1.6 Layout Change(2-1)

1.6.1 Current Version PCB



1.6.2 New Version PCB



1.7 Layout Change(2-2)

1.7.1 Current Version PCB



1.7.2 New Version PCB

