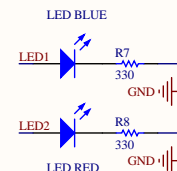


**PROBLEMS:**

- 1) SPI Port is not Arduino standard,
- 2) Threshold for comparators is a bit high. Try 8K for instead of 20K for R11 and R14 (Anything in the range from 10K to 3.3 K seems to work for max power LED)
- 3) Charger is a bit weird. Can't power and charge from USB at the same time.

[illegible][illegible][illegible]

The schematic diagram illustrates the electrical connections for the nRF24L01+ module. Key components and their connections include:

- Power Supply:** VCC and GND pins are connected to the power source. Decoupling capacitors C11 (33nF X7R, +/- 10%), C14 (6pF NPO, +/- 2%), C15 (6pF NPO, +/- 2%), and C16 (2200pF 5%) are used for noise reduction.
- Crystal Oscillator:** A 16 MHz Crystal (Q2) is connected to the IRQ\_6 and VCC pins of the nRF24L01+.
- Antenna:** The BAL1 and BAL2 pins of the B1 (2.45 GHz Balan) are connected to the VCC and GND pins of the nRF24L01+.
- Control Pins:** The CE (Chip enable) and CSN (Chip select) pins are connected to the module's control pins.
- Signal Pins:** The SCK, MOSI, and MISO pins are connected to the module's data pins.

Title <b>Rovables Main Board</b>	
Designed by <b>Artem Dementyev</b>	Ver <b>3.0</b>
Date: <b>2/2/2017</b>	Time: <b>2:44:00 PM</b>



