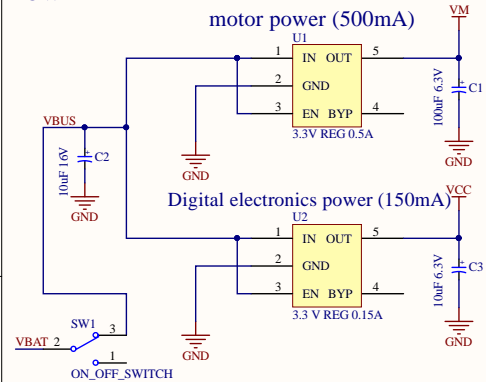
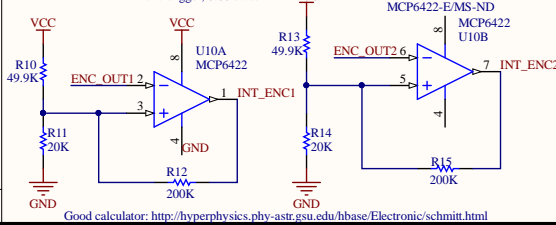


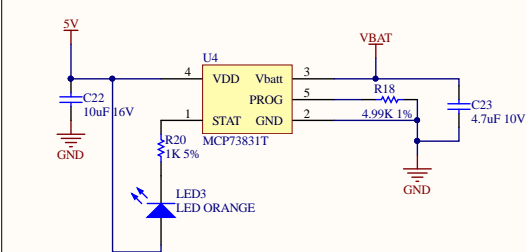
POWER



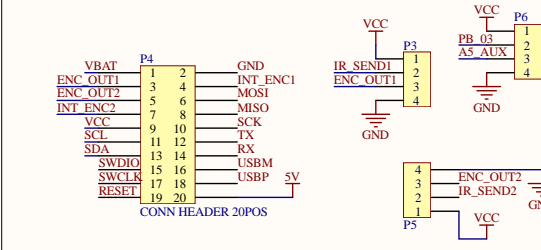
ENCODERS



CHARGING



CONNECTORS

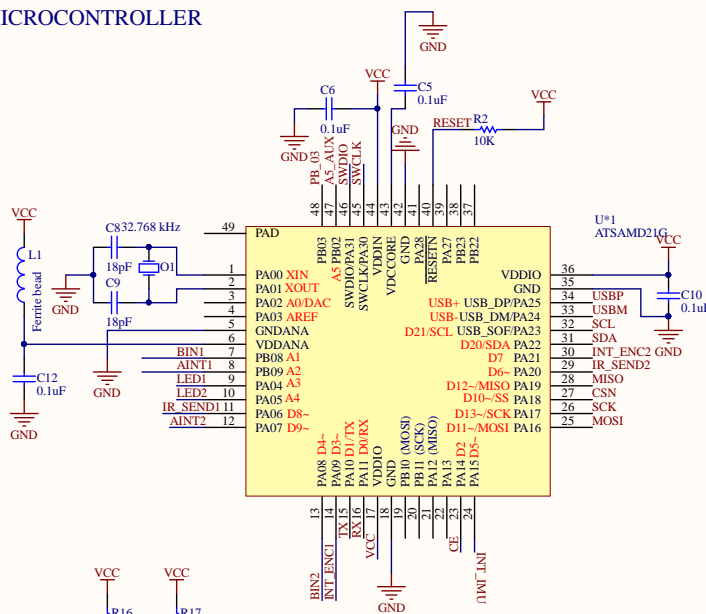


NOTES

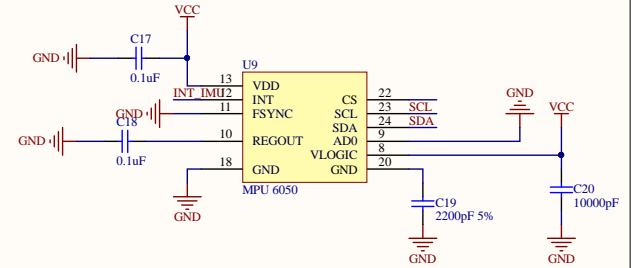
PROBLEMS:

- 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.

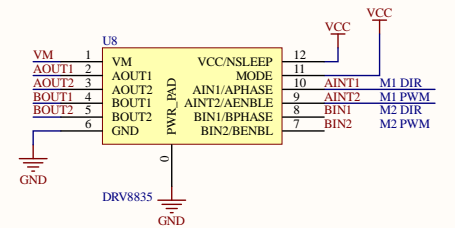
MICROCONTROLLER



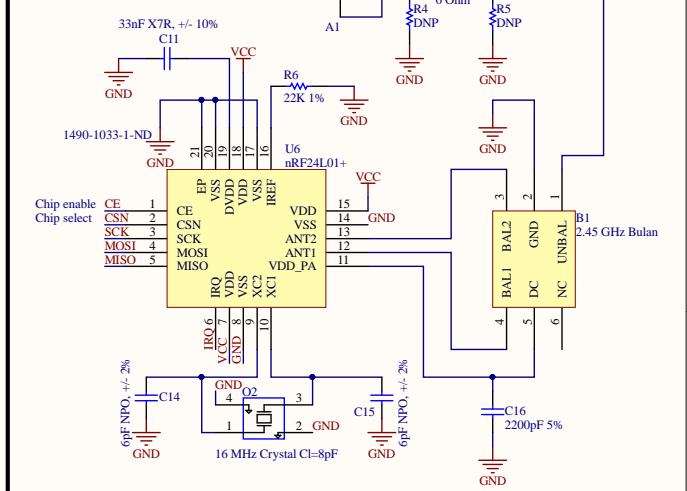
INERTIAL MEASUREMENT UNIT



MOTOR CONTROLLER



2.4GHz RADIO



Title Rovables Main Board

Designed by Artem Demytyev

Date: 2/2/2017

Ver 3.0

Time: 1:04:02 PM

