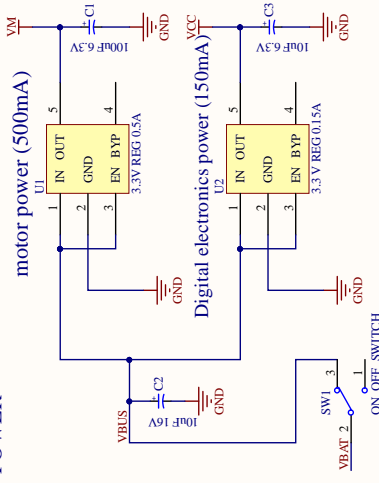


POWER

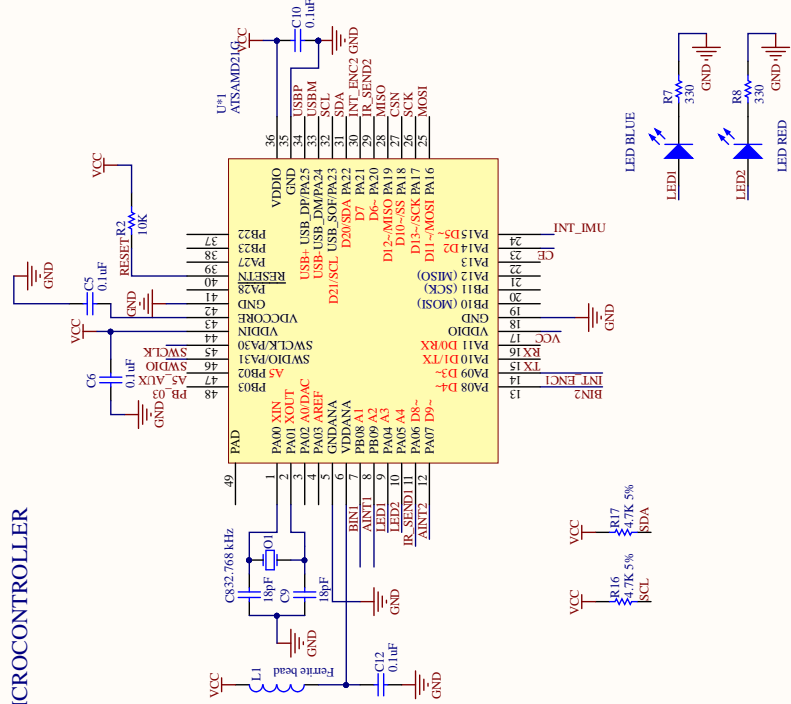


NOTES

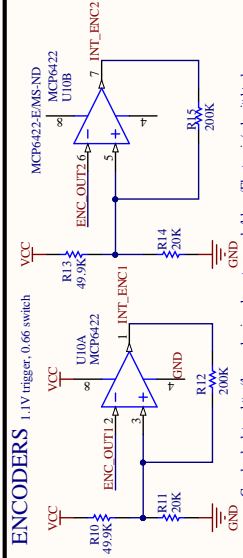
PROBLEMS:

- 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

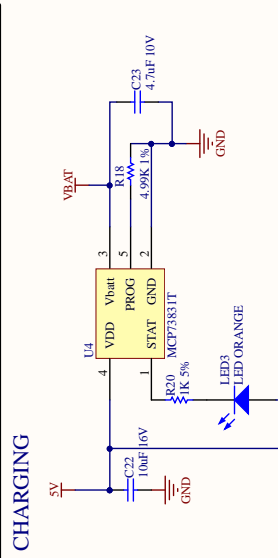


ENCODERS

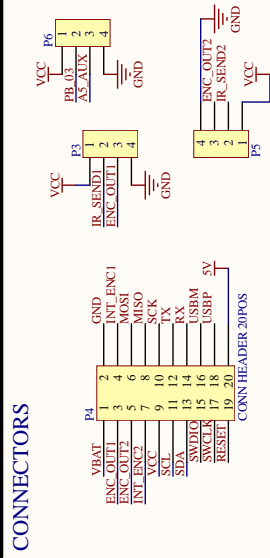


Good calculator: <http://hyperphysics.phy-astr.gsu.edu/hbase/Electronic/schmitt.html>

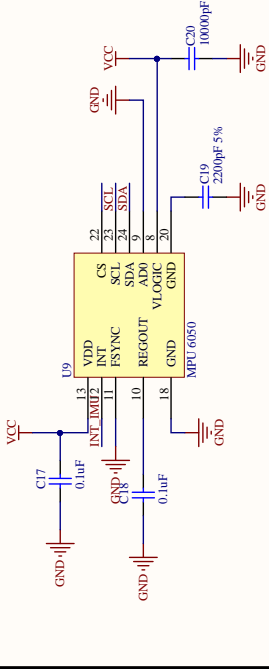
CHARGING



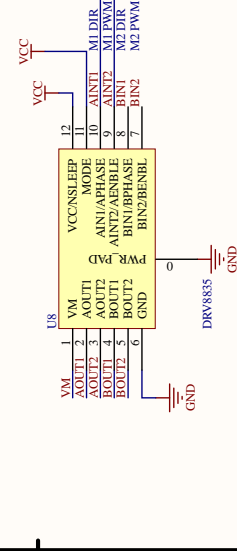
CONNECTORS



INERTIAL MEASUREMENT UNIT



MOTOR CONTROLLER



2.4GHz RADIO

