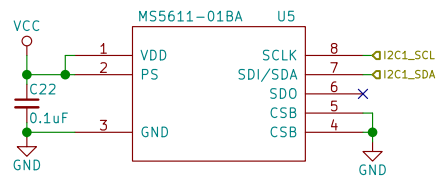
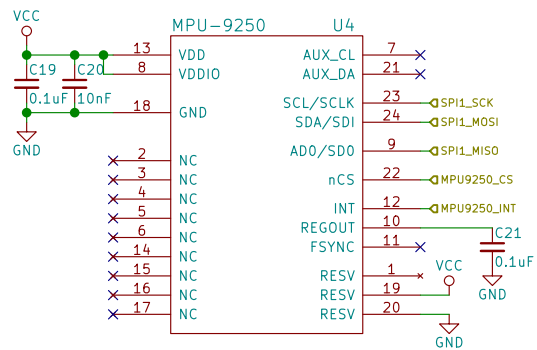
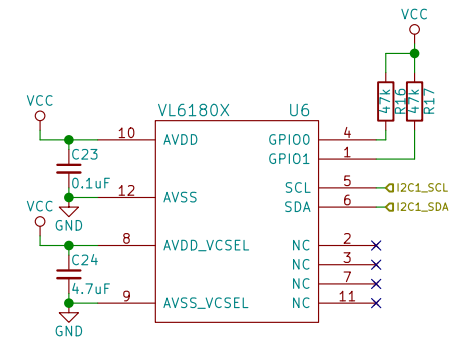


IMU 10dof



Ground distance sensor (Time of flight)



License: CC-BY 4.0

Salah-Eddine Missri

Sheet: /Sensors/

File: sensors.sch

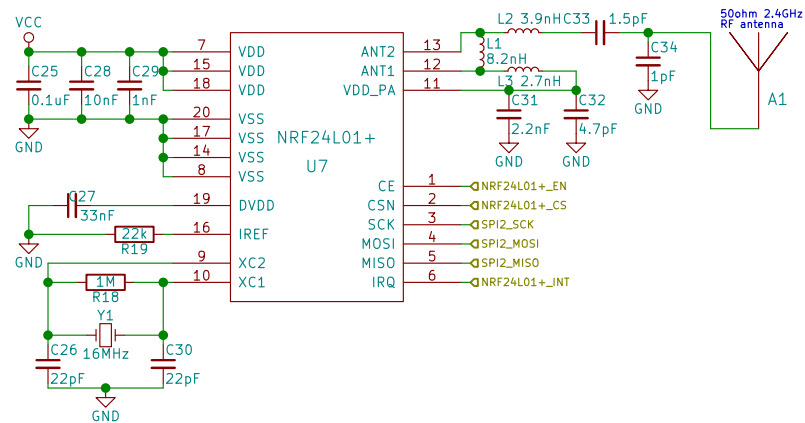
Title: Speedy the nanocopter autopilot

Size: A4 Date: Mon 25 Mai 2015

KiCad E.D.A. kicad (2015-03-28 BZR 5545)-product

Rev: A

Id: 2/4



License: CC-BY 4.0

Salah-Eddine Missri

Sheet: /Wireless/

File: wireless.sch

Title: Speedy the nanocopter autopilot

Size: A4

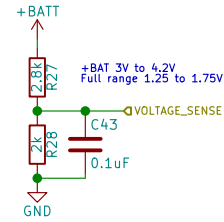
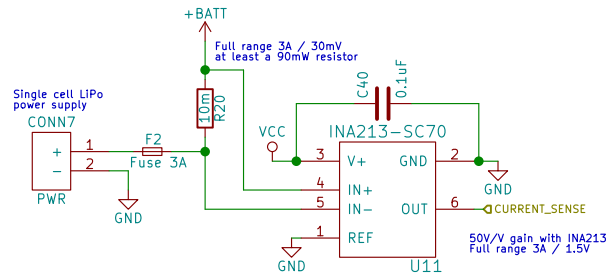
Date: Mon 25 Mai 2015

Rev: A

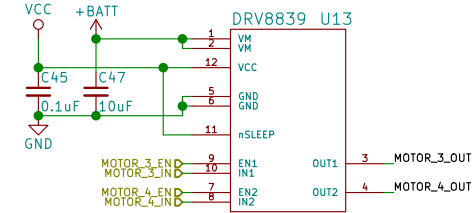
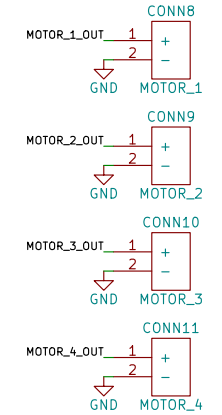
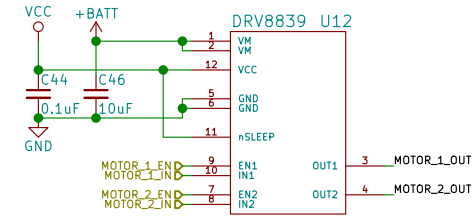
KiCad E.D.A. kicad (2015-03-28 BZR 5545)-product

Id: 3/4

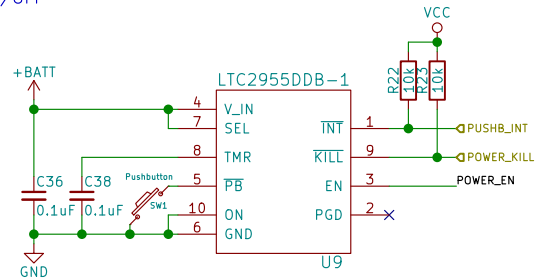
Battery current & voltage monitoring



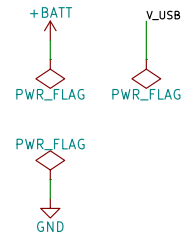
Motor drivers



Pushbutton ON/OFF

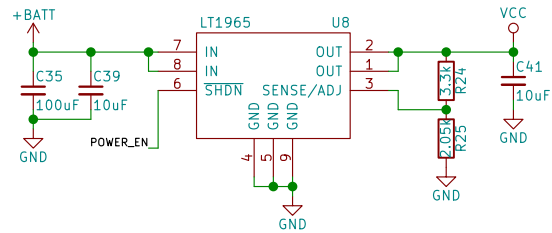


For KiCad DRC checks

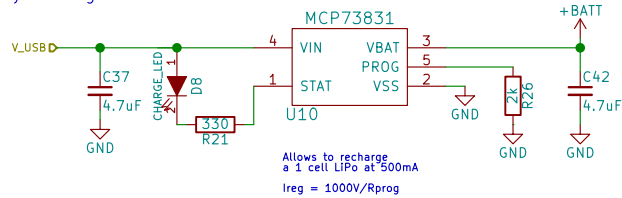


Power regulator (2.8V)

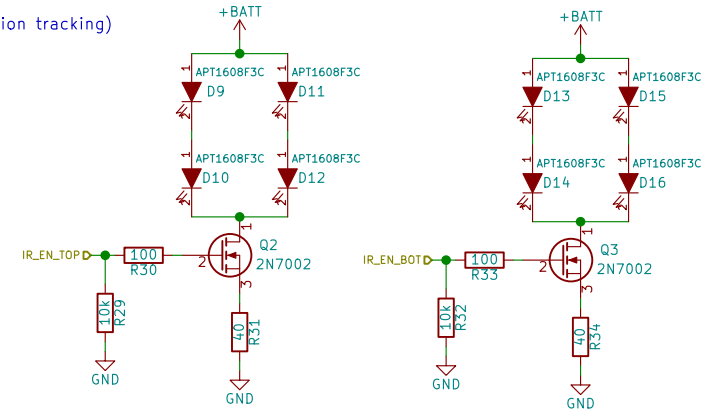
$$V_{OUT} = 1.20V \times (1 + R2/R1) + 1.7uA \times R2 @ 25^{\circ}C$$



USB Battery recharge



IR LEDs (for motion tracking)



License: CC-BY 4.0

Salah-Eddine Missri

Sheet: /Power/

File: power.sch

Title: Speedy the nanocopter autopilot

Size: A4 Date: Mon 25 Mai 2015

KiCad E.D.A. kicad (2015-03-28 BZR 5545)-product

Rev: A

Id: 4/4