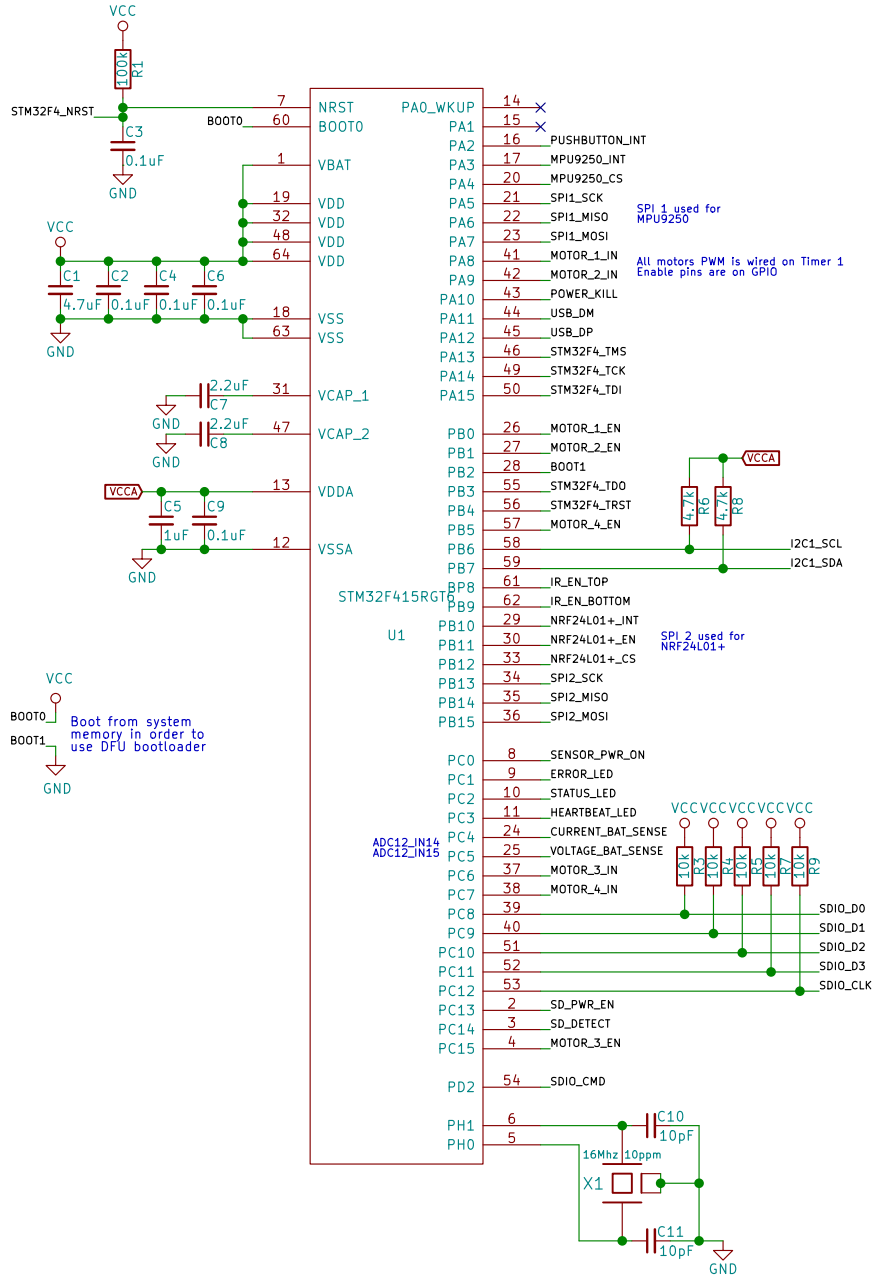
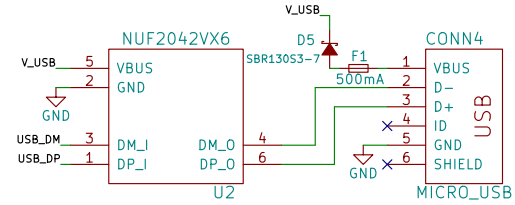


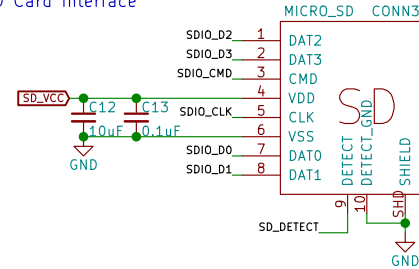
Microcontroller  
STM32F405/7  
LQFP64



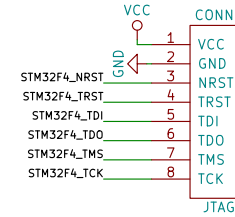
## USB Termination



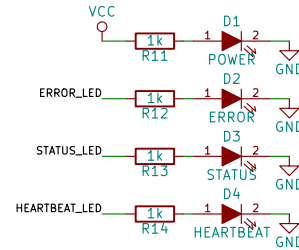
## SD Card interface



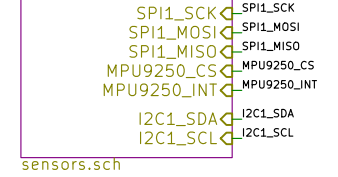
## SWD interface



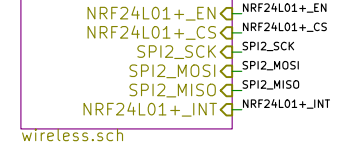
## LEDs



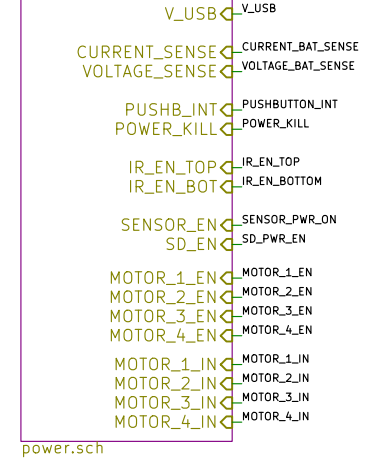
## Sensors



## Wireless



## Power



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Sheet: /

File: speedy.sch

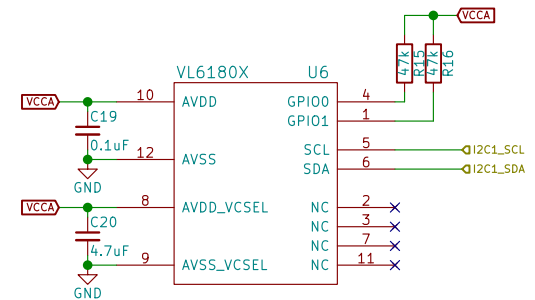
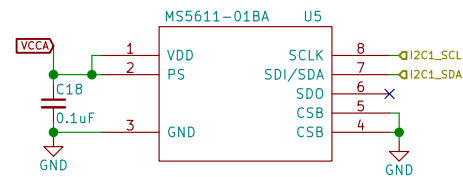
Title: Speedy the nanocopter autopilot

Size: A4 Date: 2015-06-27

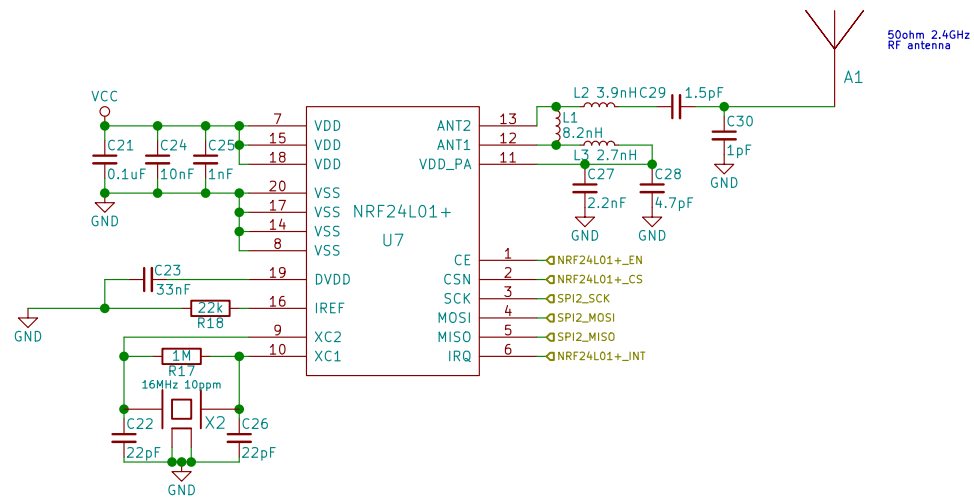
KiCad E.D.A. kicad 0.201601201446+650042ubuntu14.04.1-product

Rev: 1B

Id: 1/4



Size: A4	Date: Mon 23 Mar 2015	REV: A
KiCad E.D.A. kicad 0.201601201446+650042ubuntu14.04.1-product		Id: 2/4



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**Salah-Eddine Missri**

Sheet: /Wireless/

File: wireless.sch

**Title: Speedy the nanocopter autopilot**

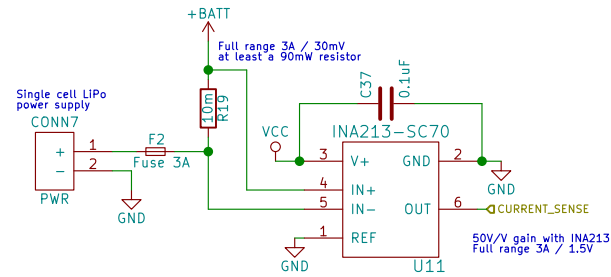
Size: A4 Date: Mon 25 Mai 2015

KiCad E.D.A. kicad 0.201601201446+650042ubuntu14.04.1-product

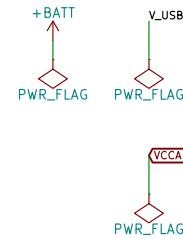
**Rev: A**

Id: 3/4

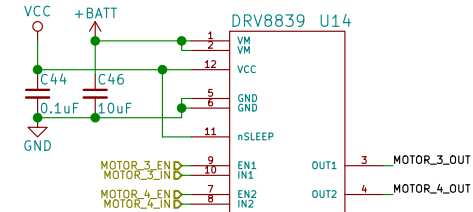
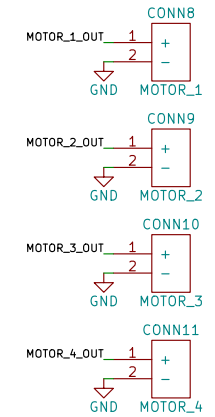
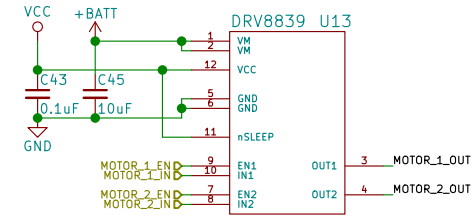
## Battery current & voltage monitoring



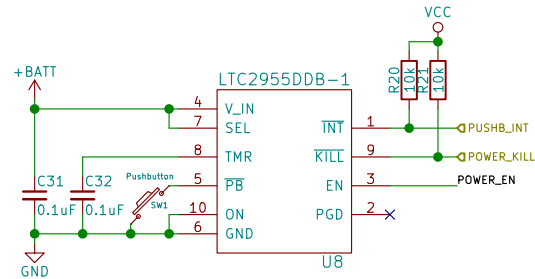
## For KiCad DRC checks



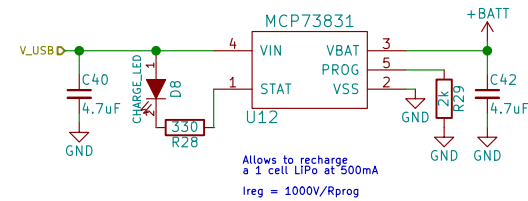
## Motor drivers



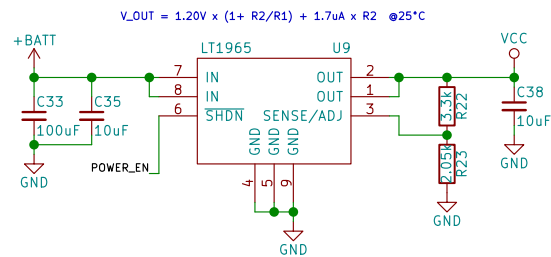
## Pushbutton ON/OFF



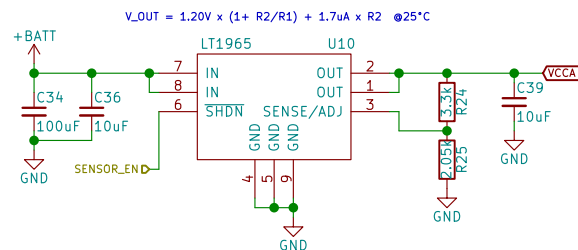
## USB Battery recharge



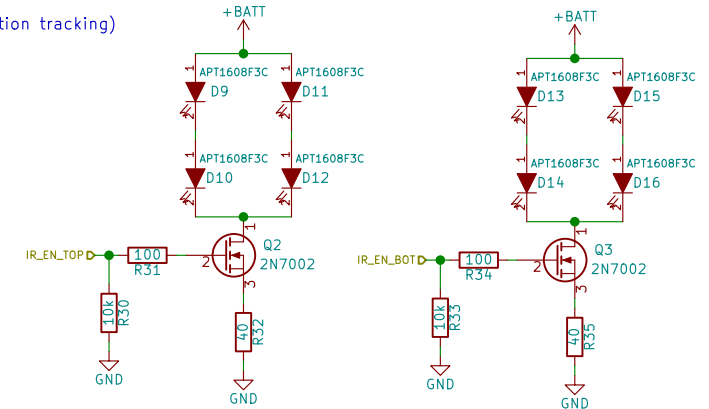
## Power regulator (2.8V)



## Sensors power regulator (2.8V)



## IR LEDs (for motion tracking)



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Sheet: /Power/

File: power.sch

**Title: Speedy the nanocopter autopilot**

Size: A4 Date: Mon 25 Mai 2015

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Rev: A

Id: 4/4