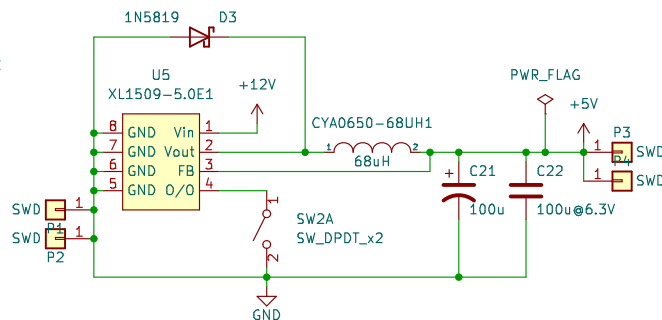
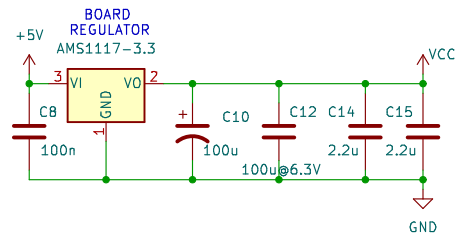
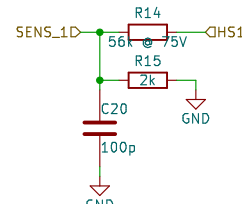
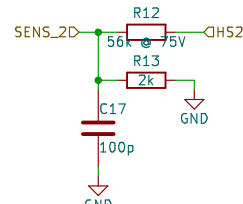
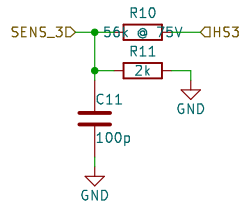


典型应用电路图: Vout: 5V/2A

TX4130L:
VFB: min=369 typ=380 max=391 mV
VCS: min=145 typ=150 max=155 mV

R1 = R3
R2 = R4
Vout= VFB * (R2+R1)/R1
Iout=VCS/R7 (R7=0.06R -> Iout=2.6A)
Frequency: Fixed 140kHz
Inductance: 33uH-100uH

ON/OFF Voltage Filters



https://datasheet.lcsc.com/lcsc/1912231403_XDS-TX4130L_C448635.pdf
<https://www.pwchip.com/en/product/PW2902-174.html>

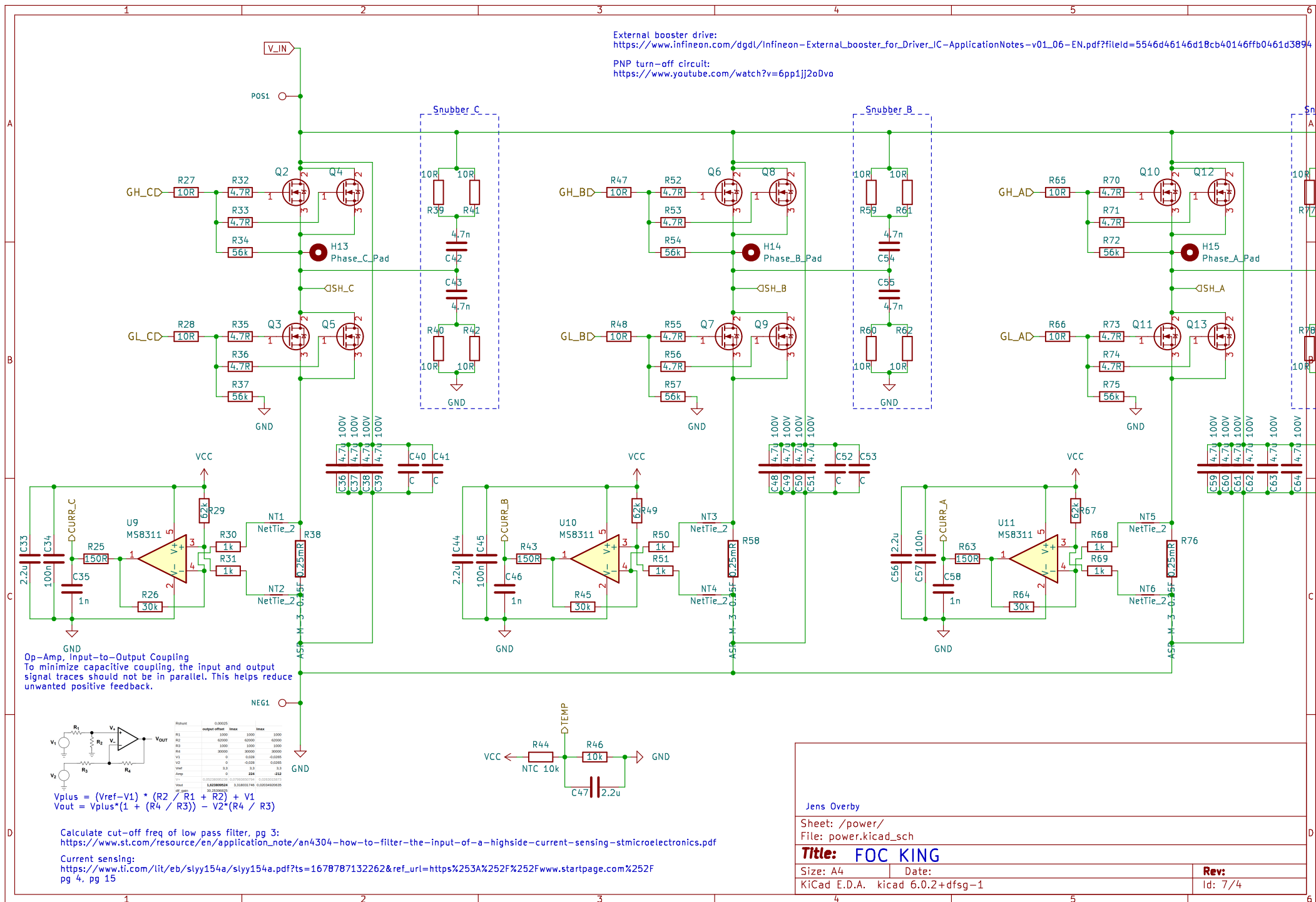
Jens Overby

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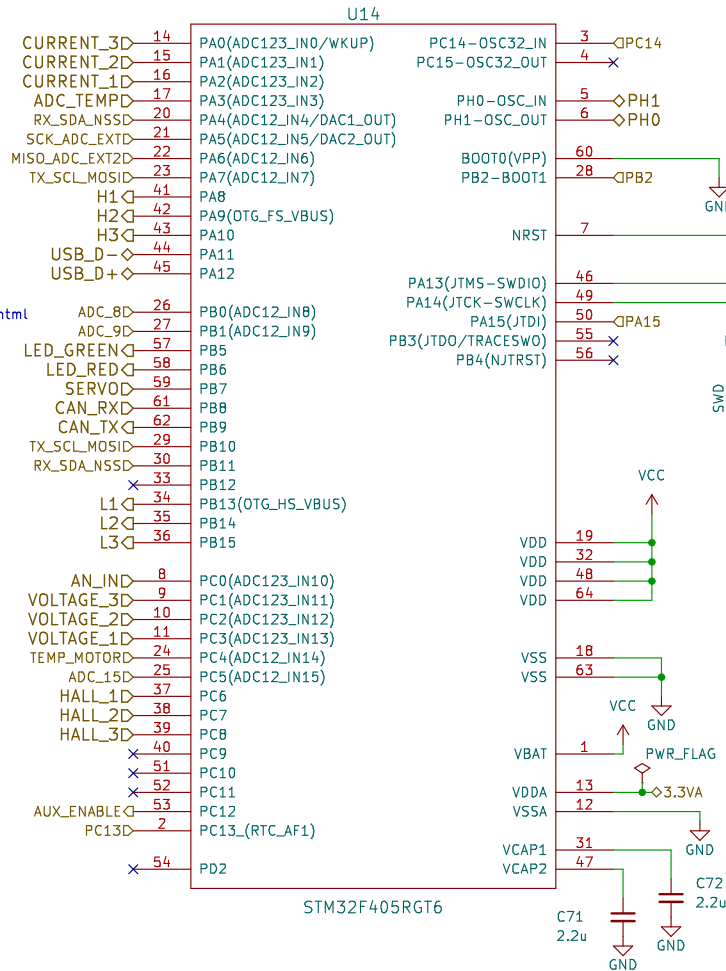
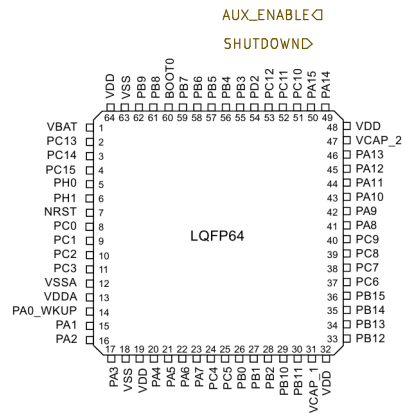
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Rev:
Id: 6/4



TIM3_CH4 is configured for pin PB1 pin 27
according to stm32f405 datasheet
<https://www.st.com/en/microcontrollers-microprocessors/stm32f405rg.html>



Changes:
Xtal caps from 18pF to 12pF
Separate the two LEDs from the single resistor
CAN spike protection
RC between GND and pb12 to stop false trips
PC12->PA15 to drive LED
Increased functionality of several header pins

Jens Overby

Sheet: /mcu/
File: mcu.kicad_sch

Title: FOC KING

Size: A4 Date:
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Rev:
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