

Energieversorgung UAVP NGmini

High Voltage-Supply (15...36V -> 12V/3A)

15...36V

8...18V

Power-Switch an Main-Supply

on/off

RTC-Buffer Battery

40V Power Switch

High Voltage Power Supply

FC and sensoric supply



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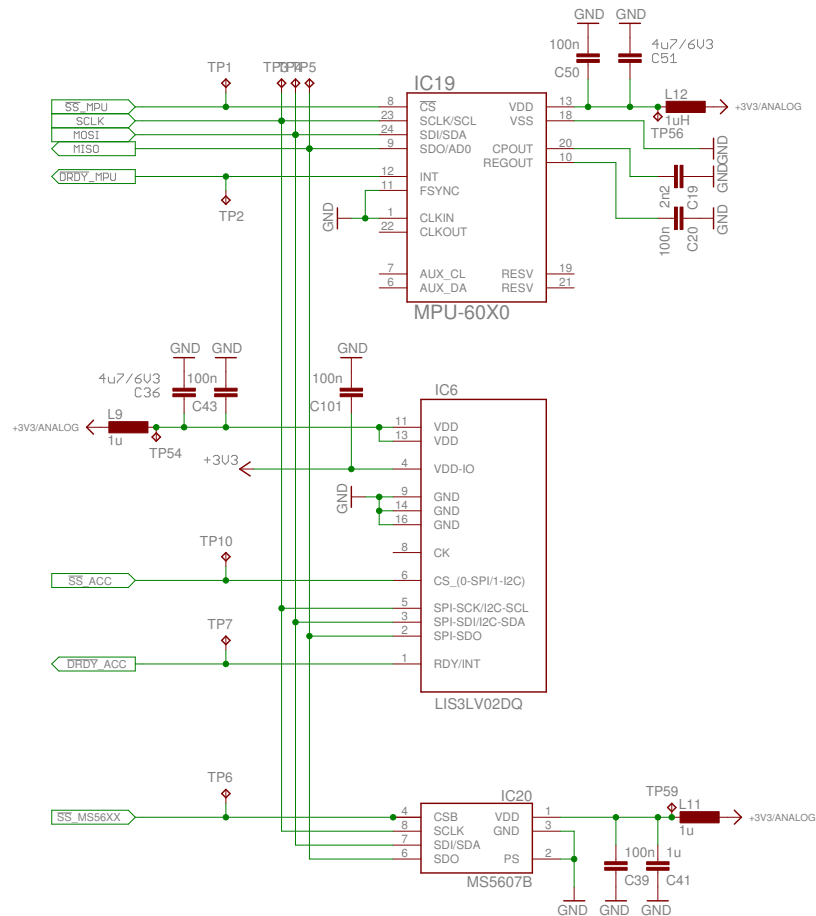
UAVP NG HW0.30
Authors: Volker Wunsch

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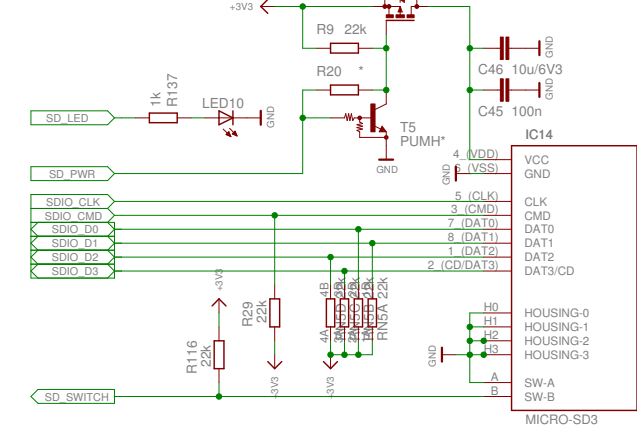
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Flightcontrol: Sensors, microSD-Card, Servo-Interface

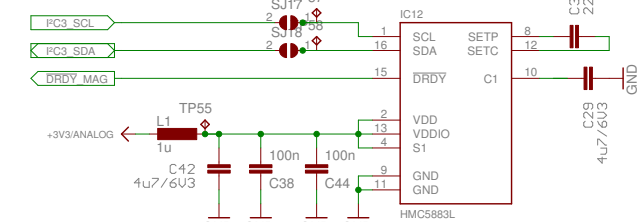
ACC, Gyro, Pressure & Temperature- Sensor, Channel A



"microSD" card interface



KOMPASS



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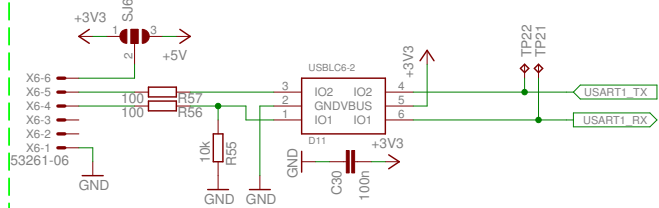
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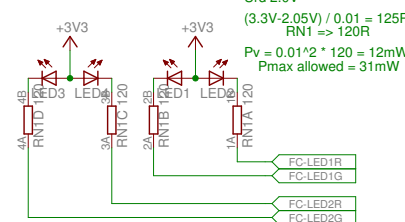
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Flightcontrol: UART, PPM, MBUS, GPS-Interface

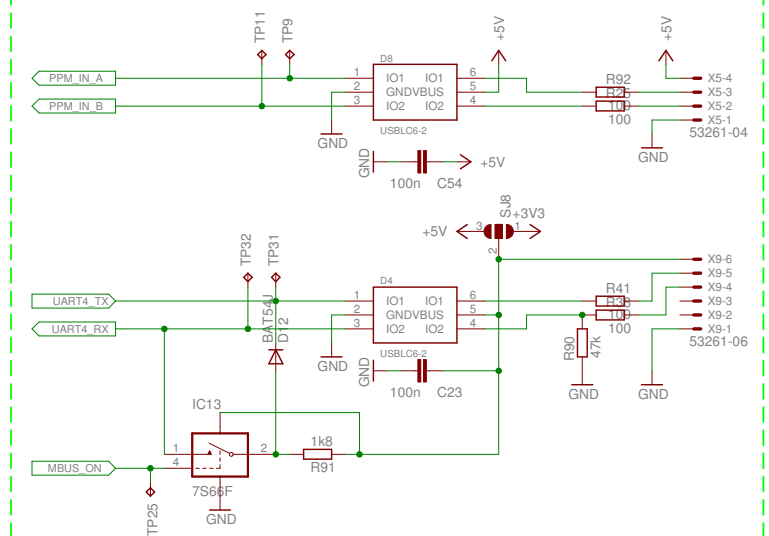
General Purpose UART1



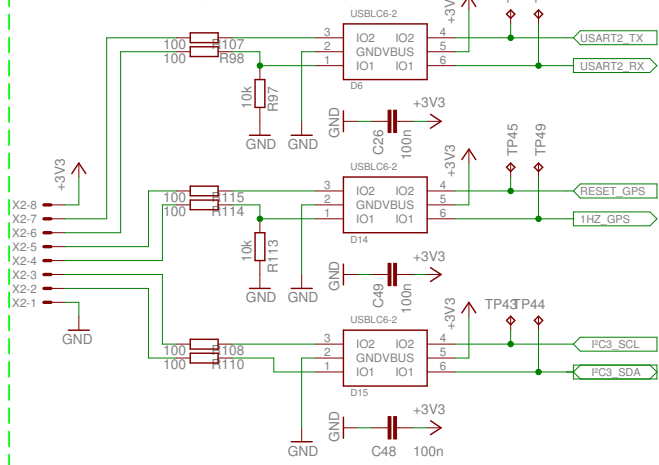
FC-Status LEDs



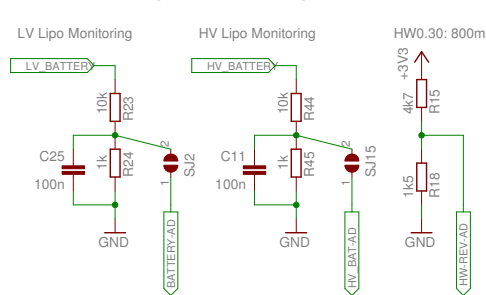
PPM - Receiver Ports & RS232 / MBUS Interface (USART4)



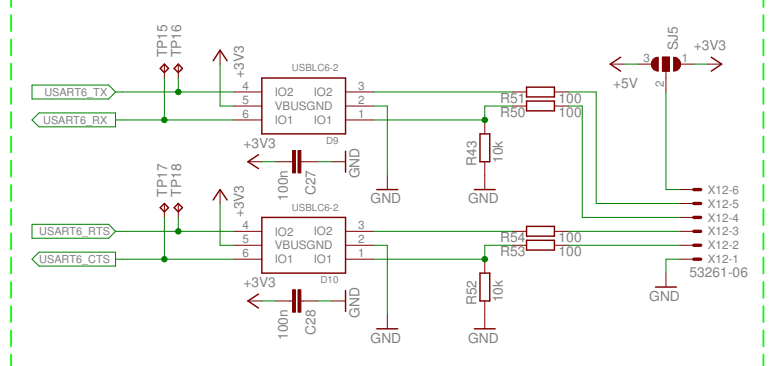
GPS & KOMPASS (UART2 & I2C3)



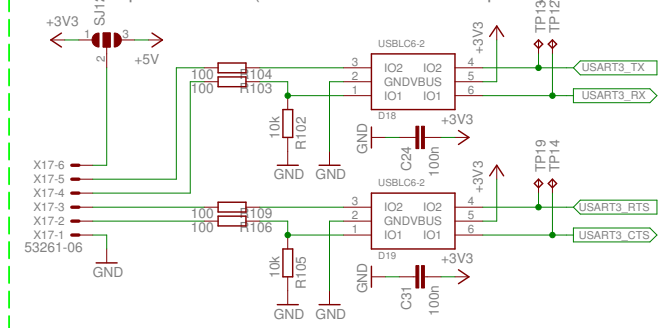
Monitoring and Revisioning



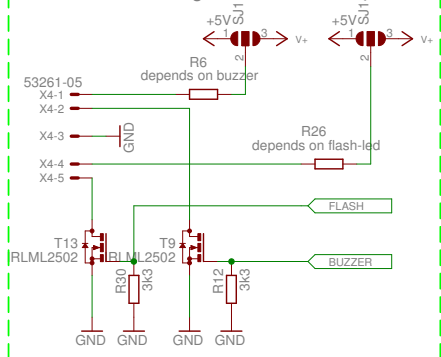
General Purpose UART6 (Modem and High-Speed capability)



General Purpose UART3 (Modem and bootloader capability)



Buzzer & Flashlight



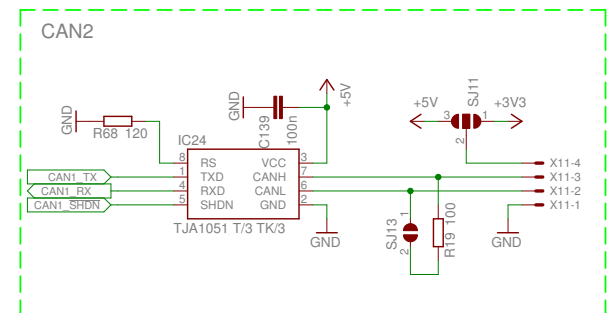
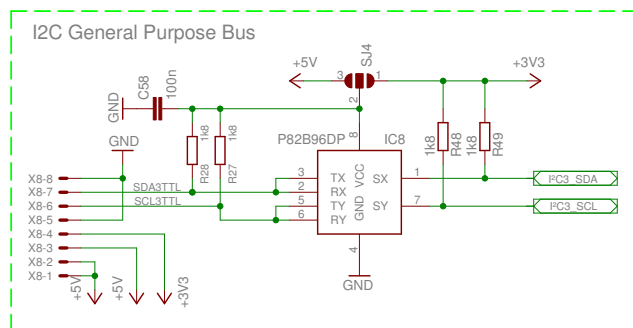
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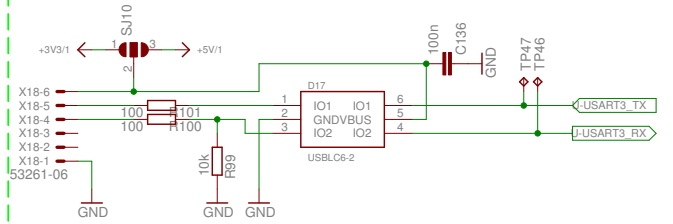
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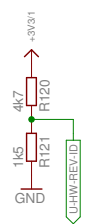
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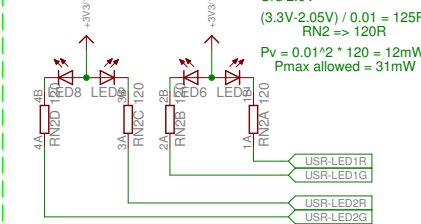
General Purpose UART1 (bootloader capability)



Revising



USR-Status LEDs

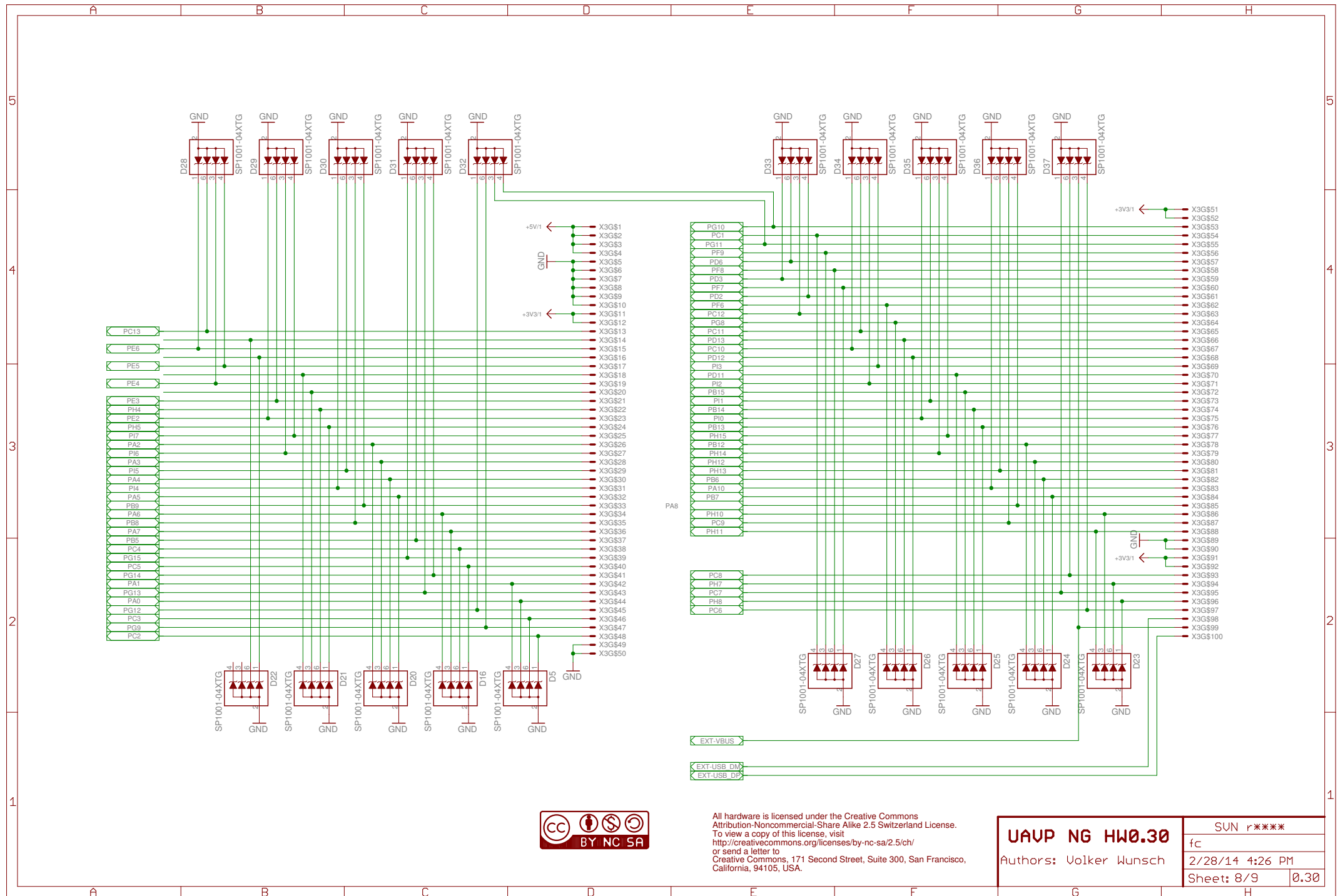


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