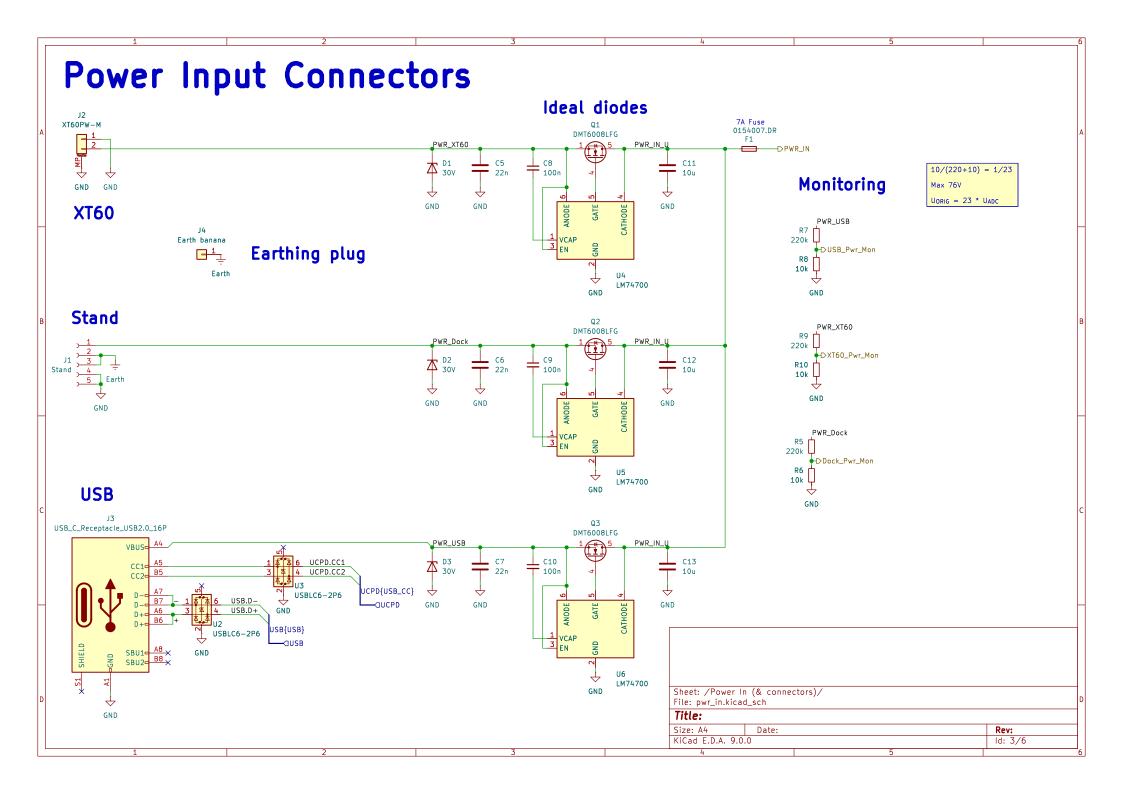
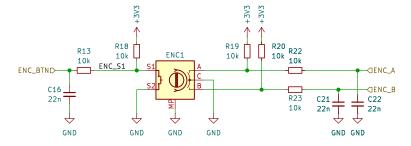


MCU +3/3 C1 C2 C4 1u Tu GND 100R ___ c3 **∓** 10 $\stackrel{\downarrow}{\leftarrow}_{\mathsf{GND}}$ ADC1_IN1 8 - GTemp_Sense ADC1_IN1 9 - GCurr_Sense PAZ 11 + Caps_Pwr_1 Fet_END 7 PG10 PA3 LAX
ADC2_IN17 12 Caps_Pwr_Mon
ADC2_IN13 13 Dock_Pwr_Mon
ADC2_IN3 14 DUSB_Pwr_Mon
ADC2_IN4 5 DYSB_O Pwr_Mon
12C2_SDA 50 OLED.SDA
12C2_SCL 51 OLED.SCL
31 OLED.SCL Fet_IND PF1 OLED{I2C} JOLED I2C ODiff_p R3 ODiff_p 20R USB.D-Stand_SenseD____To_MCU{Sense} USB{USB} JUSB PA10 32 USB_DM 33 MCU_D-To_MCU.Stand 16
PB0
To_MCU.Handle2 17
PB1 USB_DP 34 MCU_D+ USB.D+ To_MCU.Handle1 18 PB2 SYS_JTMS-SWDIO 37 SWDIO R4 UCPDD UCPD{USB_CC} 40 TIM2_CH2 SYS_TKK_SWCLK 39 GENC_A 40 UCPD1_CC2 TIM2_CH1 42 PB5 43 UCPD1_CC1 44 TIM4_CH2 45 TIM4_CH2 20R UCPD.CC2 +3V3 UCPD.CC1 2 7 R1 R2 5K1 5K1 BuzzerD− Buzzero 45 PBB B00T0
PB9 46 USART3_TX
TP5 22 PB10
25 USART3_RX
26 PB12 Just for routing 3 C SWD \rightarrow \rightarrow GND GND GND BTN_BD 27 PB13
|_Lim_BypassD 28 PB14
| 29 PB15 U1 STM STM32G431CBTx GND Sheet: /MCU/ File: MCU.kicad_sch Title: Size: A4 Date: Rev: KiCad E.D.A. 9.0.0 ld: 2/6

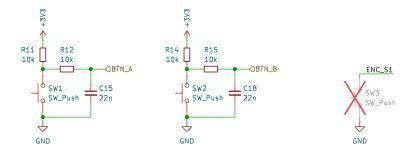


User 10

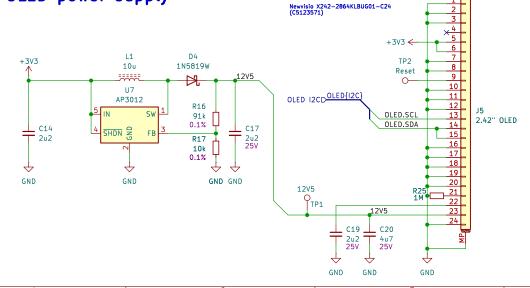
Encoder



Buttons

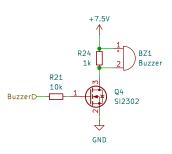


OLED power supply



OLED

Buzzer

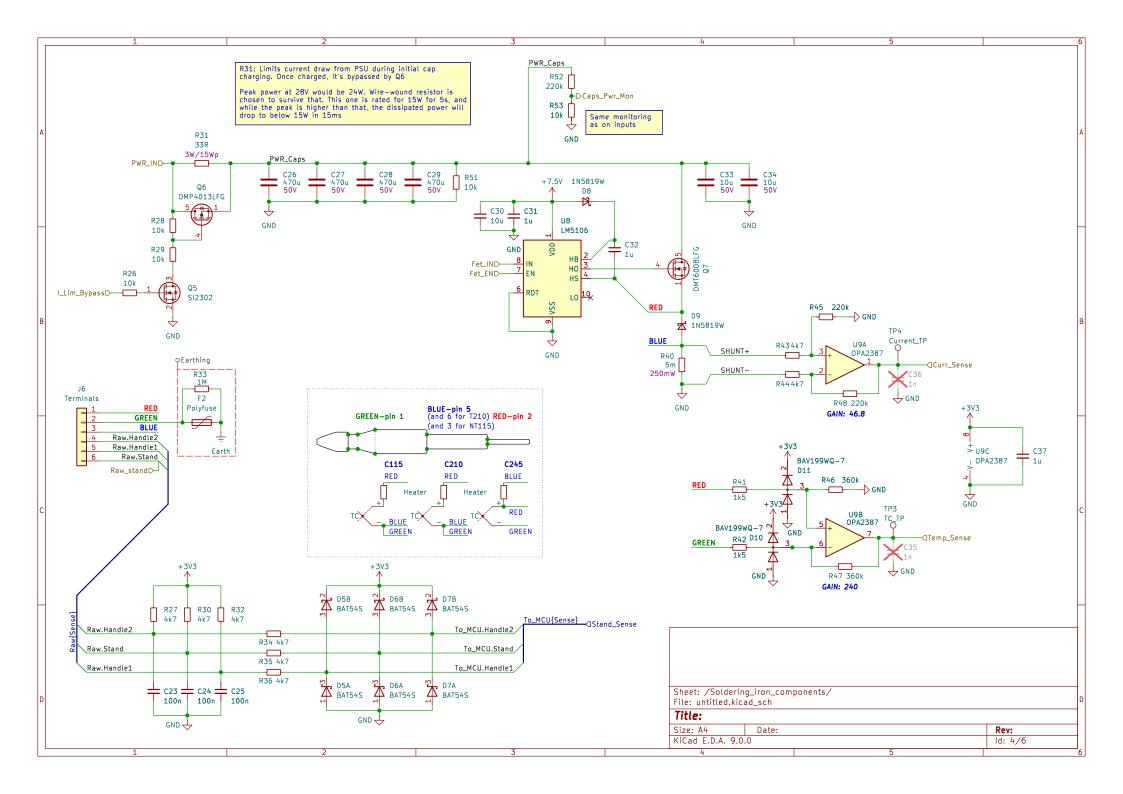


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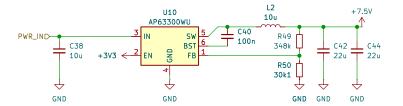
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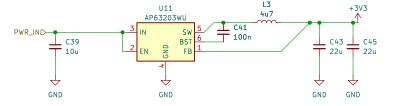
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 Id: 4/6



Power Supplies



Both chips have UMAX = 32V



Sheet: /Power supplies/ File: spms.kicad_sch

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 Rev:

 KiCad E.D.A. 9.0.0
 Id: 5/6