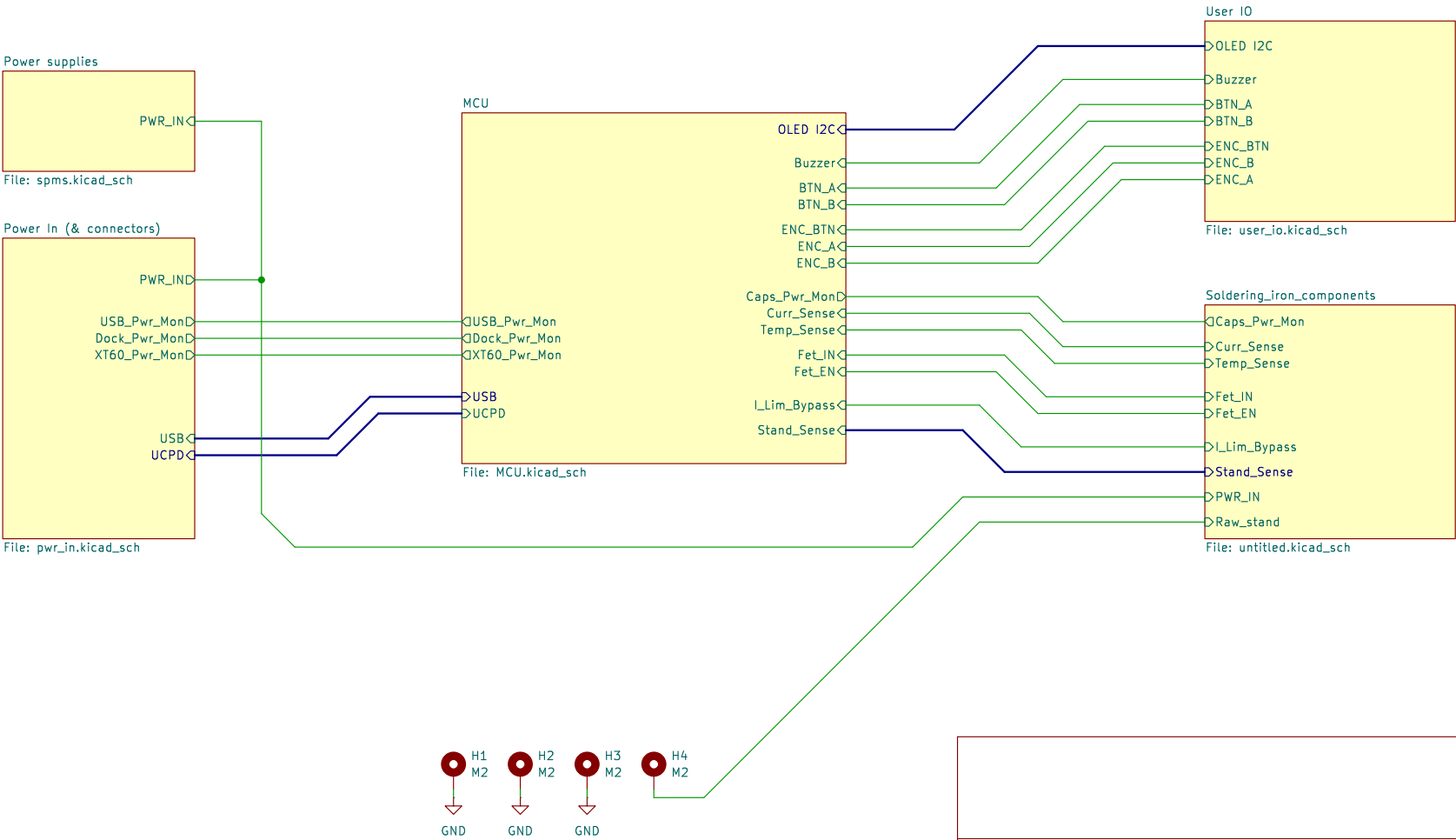
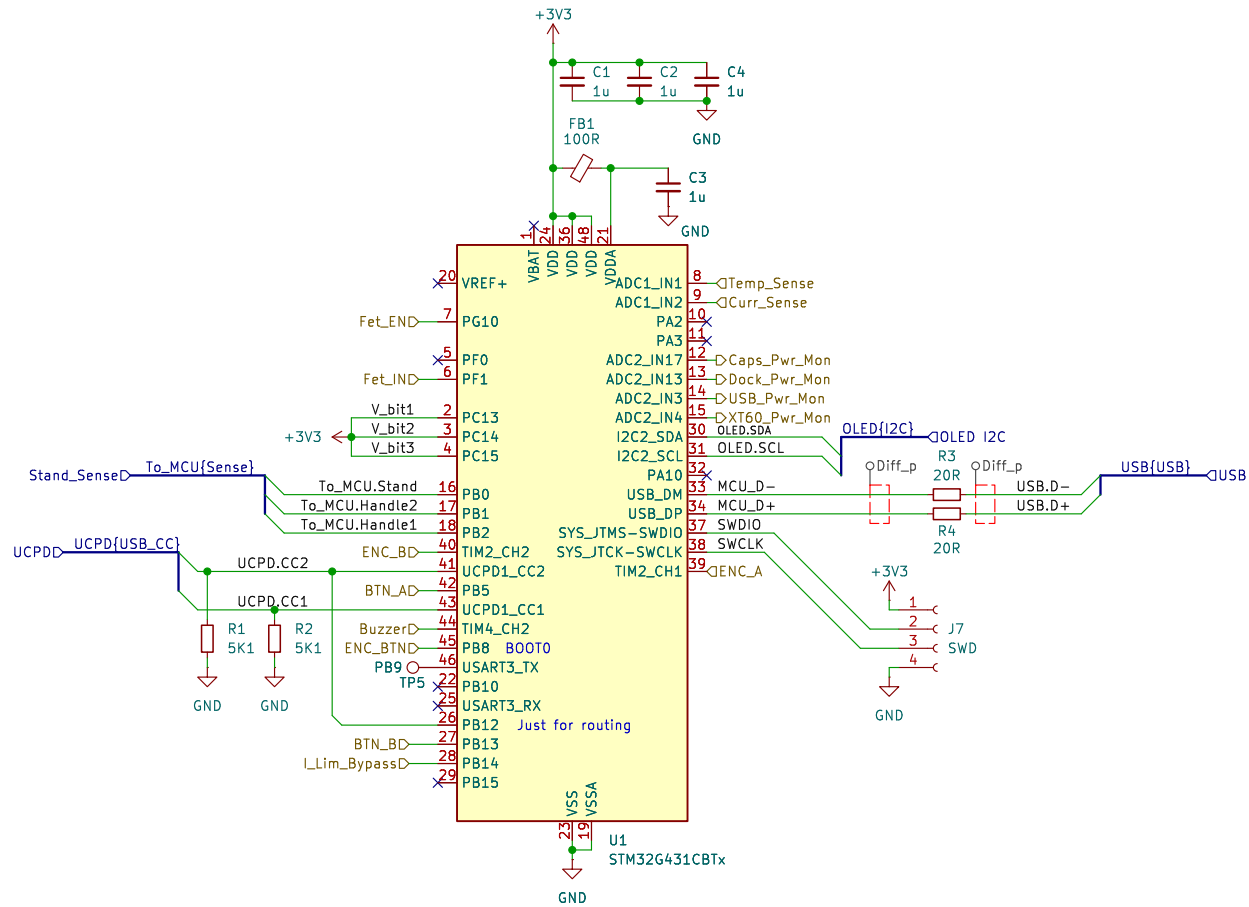


# Top level block diagram



Sheet: /		
File: mSolder.kicad_sch		
<b>Title:</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. 9.0.0		Id: 1/6

# MCU



Sheet: /MCU/  
File: MCU.kicad\_sch

**Title:**

Size: A4

Date:

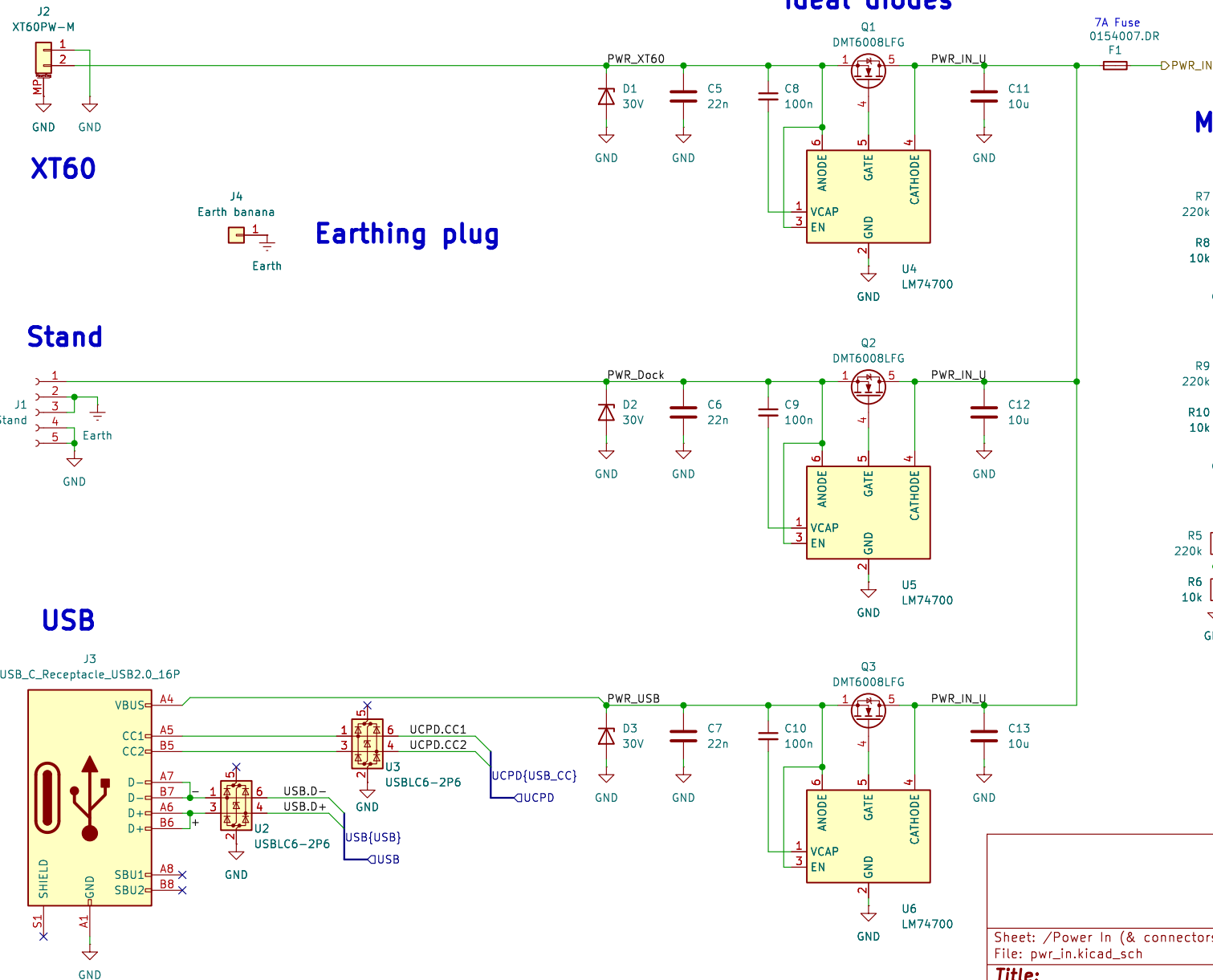
Rev:

KiCad E.D.A. 9.0.0

Id: 2/6

# Power Input Connectors

Ideal diodes



Monitoring

$$10/(220+10) = 1/23$$

Max 76V

$$U_{orig} = 23 * U_{ADC}$$

Sheet: /Power In (& connectors)/  
File: pwr\_in.kicad\_sch

Title:

Size: A4

Date:

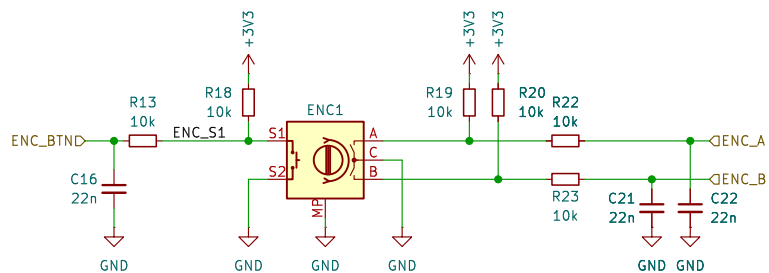
Rev:

KiCad E.D.A. 9.0.0

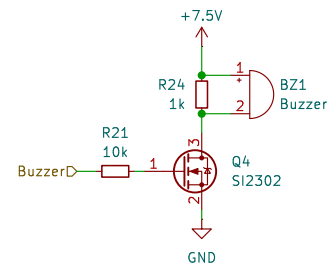
Id: 3/6

# User IO

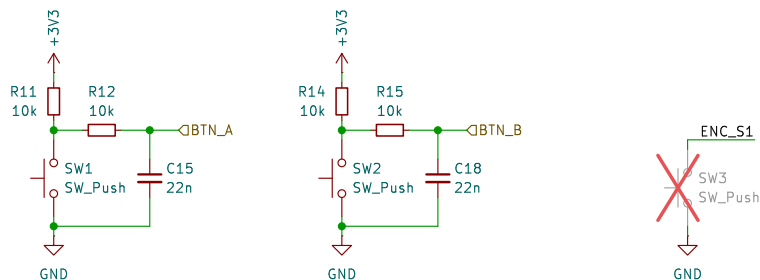
## Encoder



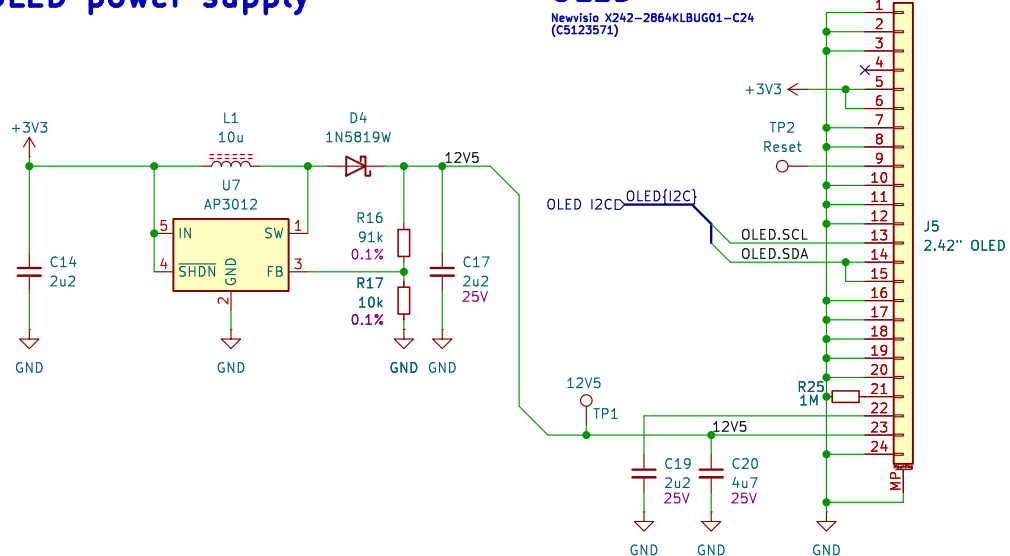
## Buzzer



## Buttons



## OLED power supply



## OLED

Newvisio X242-2864KBUG01-C24  
(C5123571)

Sheet: /User IO/  
File: user\_io.kicad\_sch

**Title:**

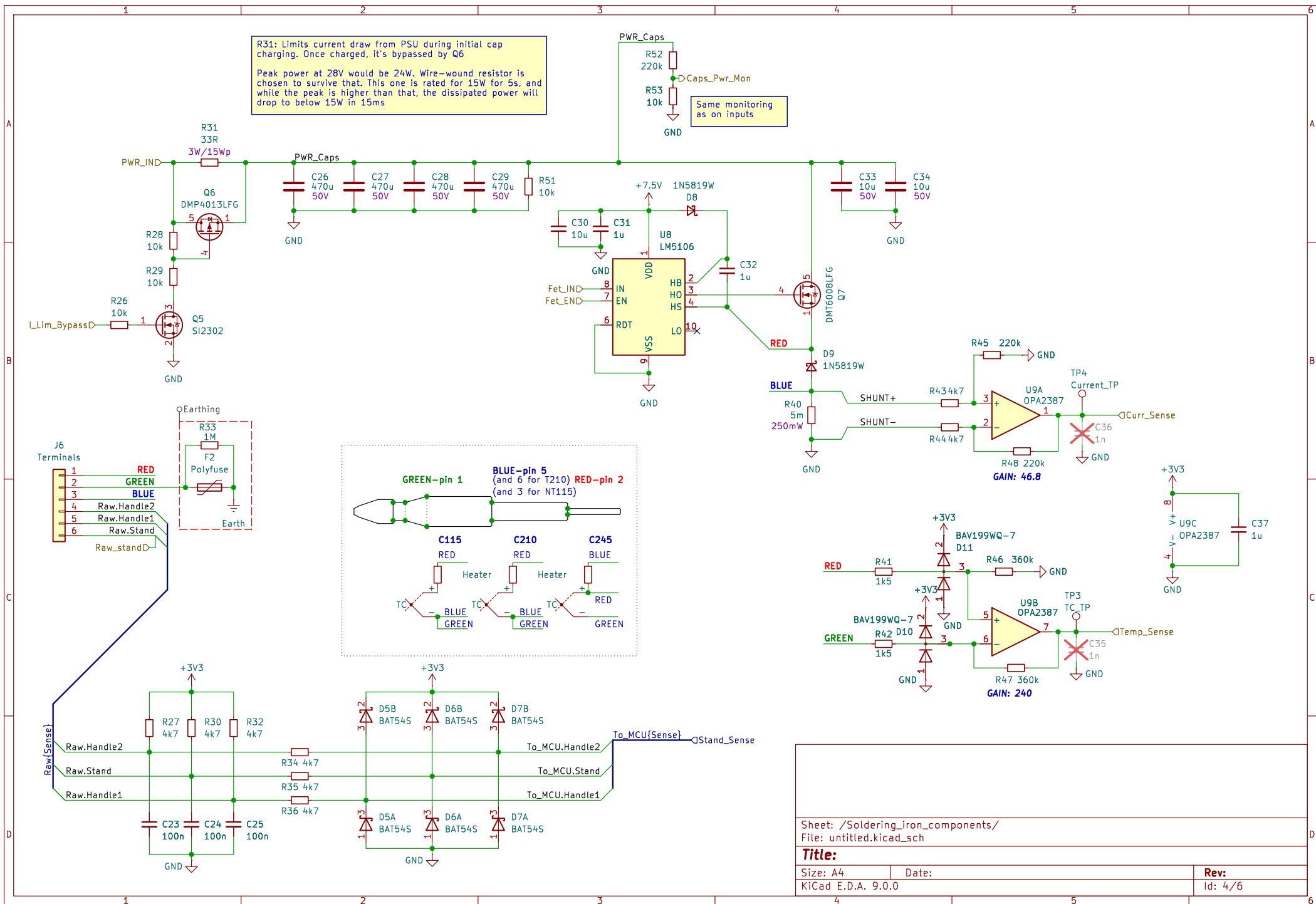
Size: A4

Date:

**Rev:**

KiCad E.D.A. 9.0.0

Id: 4/6



Sheet: /Soldering\_iron\_components/  
File: untitled.kicad\_sch

**Title:**

Size: A4

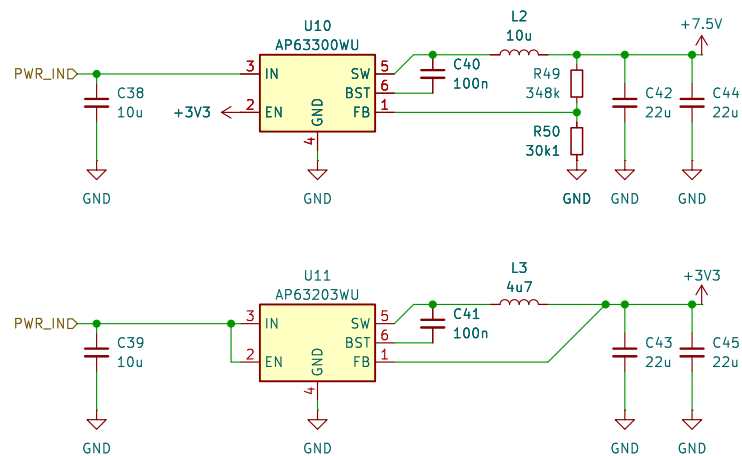
Date:

KiCad E.D.A. 9.0.0

**Rev:**

Id: 4/6

# Power Supplies



Both chips have  
U<sub>max</sub> = 32V

Sheet: /Power supplies/  
File: spms.kicad\_sch

**Title:**

Size: A4

Date:

KiCad E.D.A. 9.0.0

**Rev:**

Id: 5/6