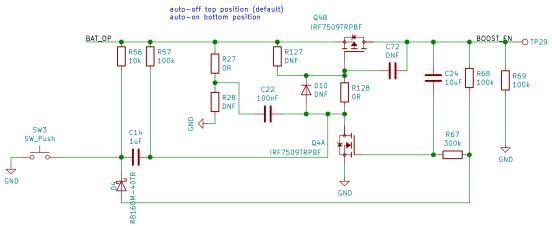
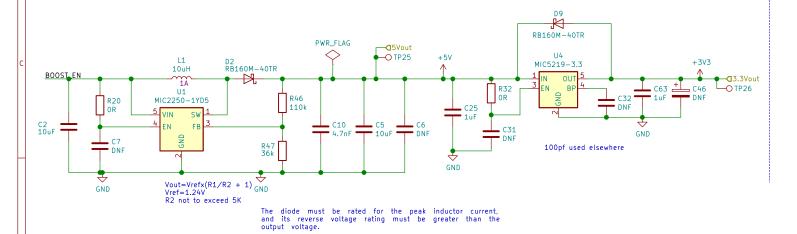


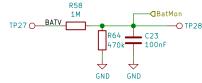
### Latched powerbutton Circuit



# 5V and 3V3 Power Supplies

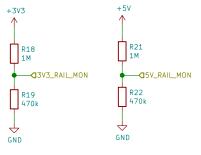


## **Battery Voltage Monitor**



divider ratio=47/147=31.97 5/1024=1adc=4.88mm (4.2/4.88m)\*0.3197=275.15adc=fully charged and above

# Voltage Rail Monitor



AB

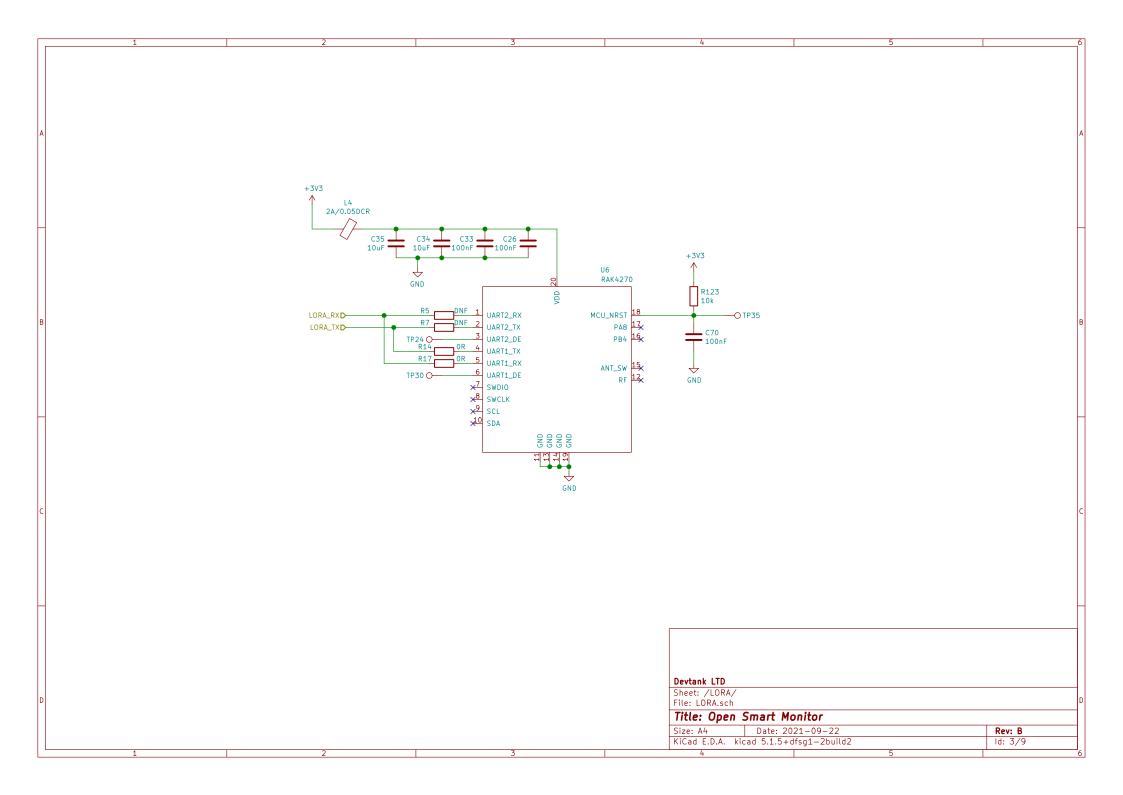
Devtank LTD

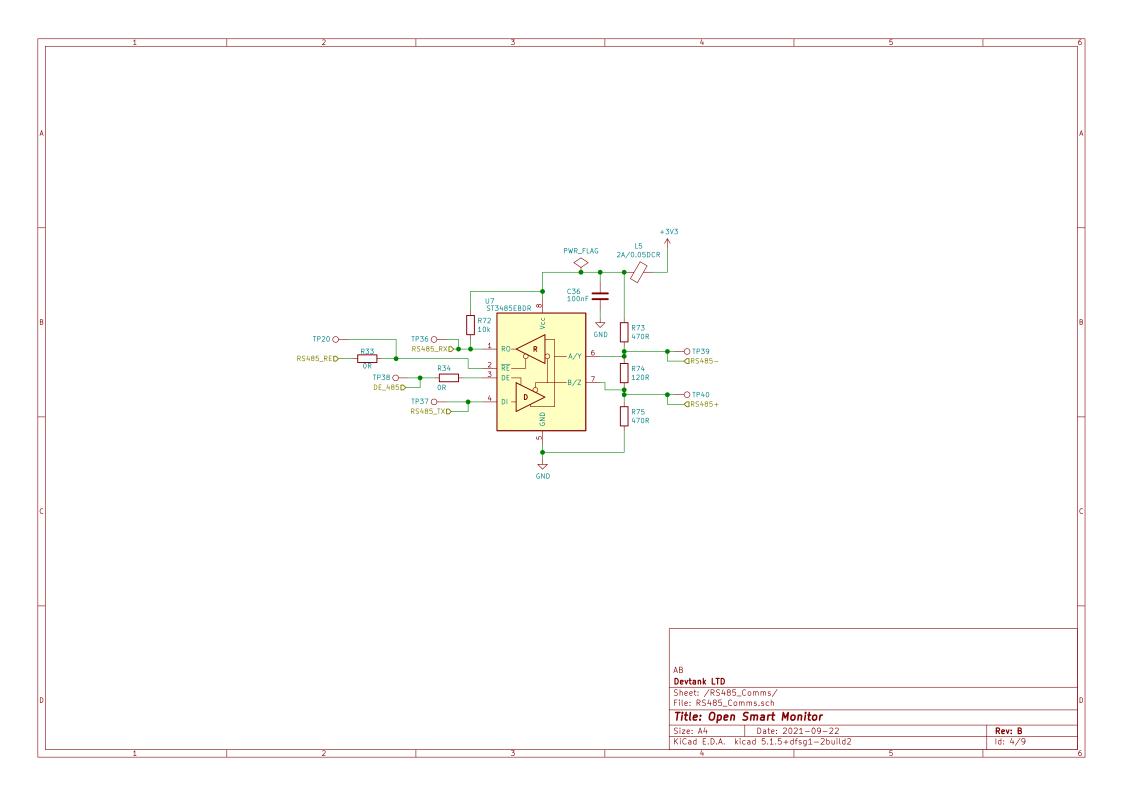
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File: PowerSupply.sch

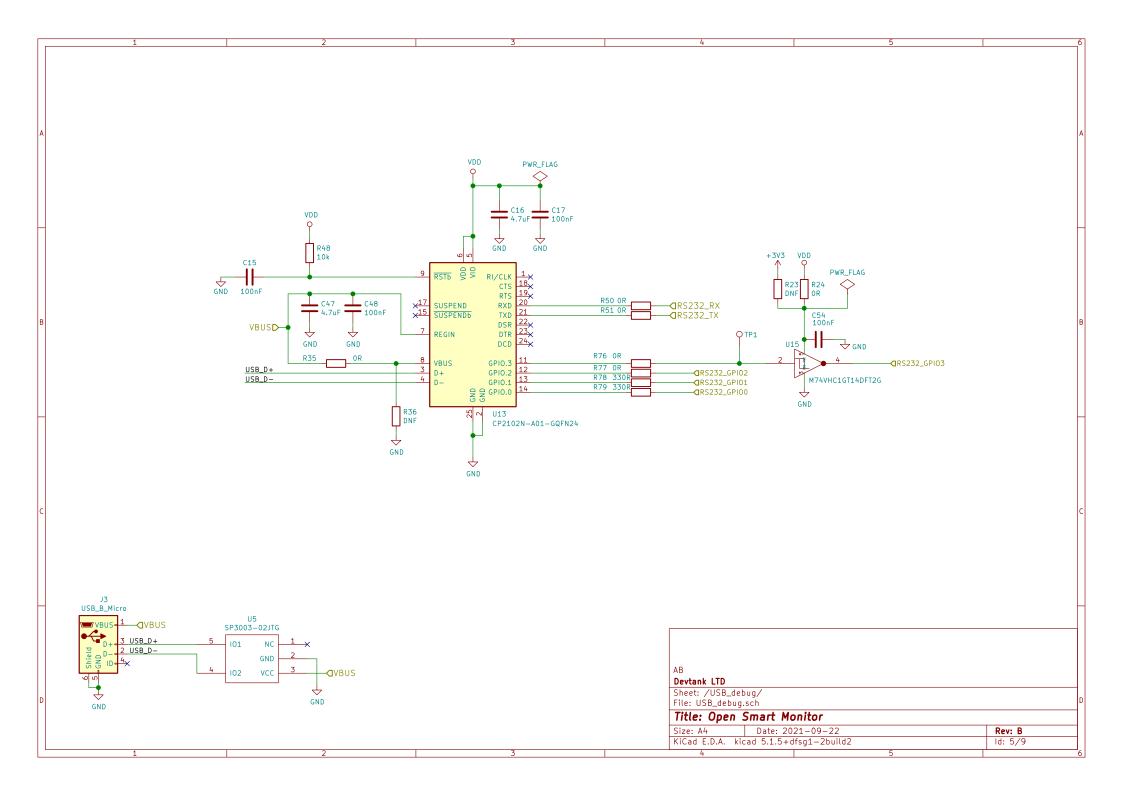
Title: Open Smart Monitor

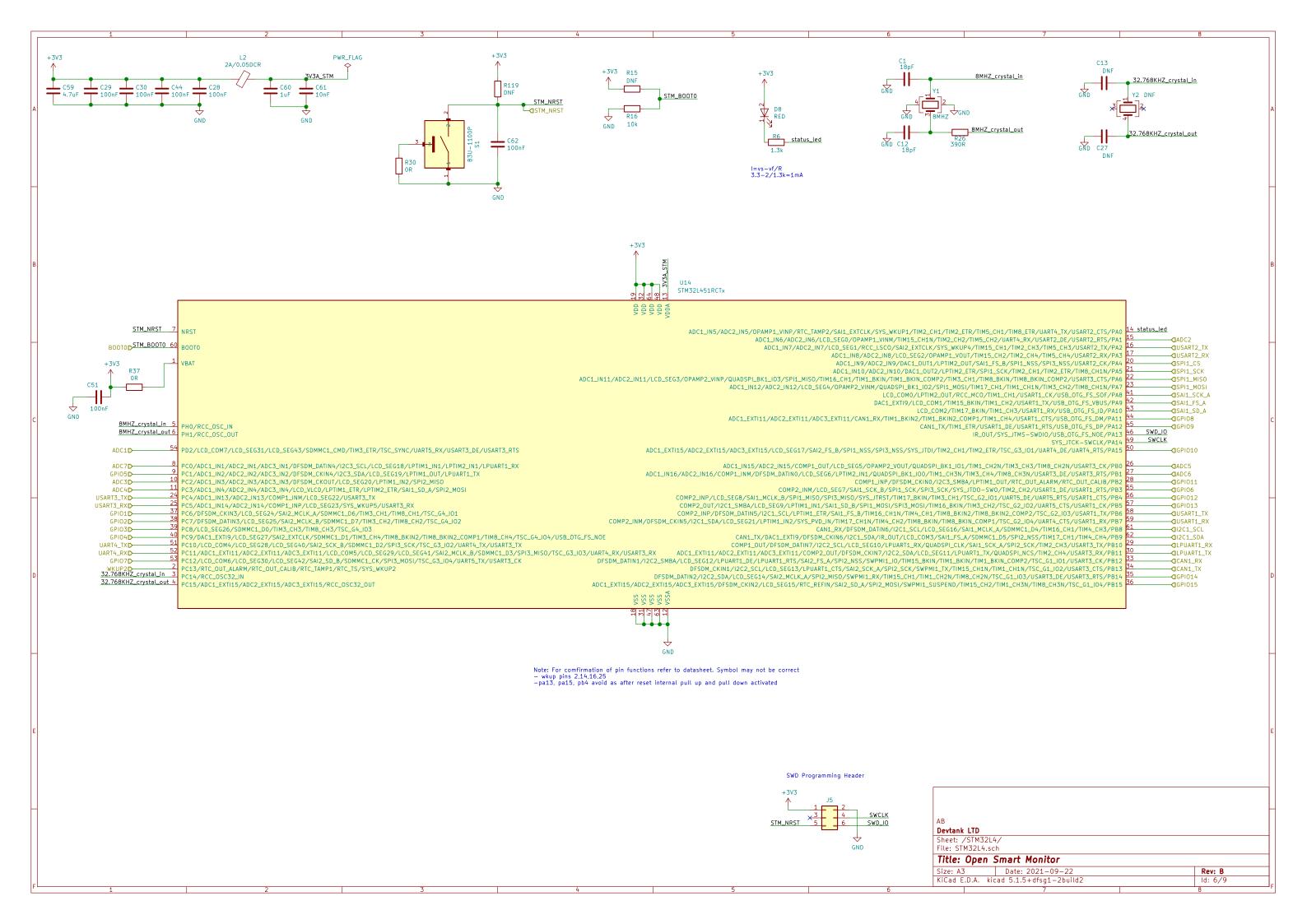
Size: A3 Date: 2021-09-22 Rev: B

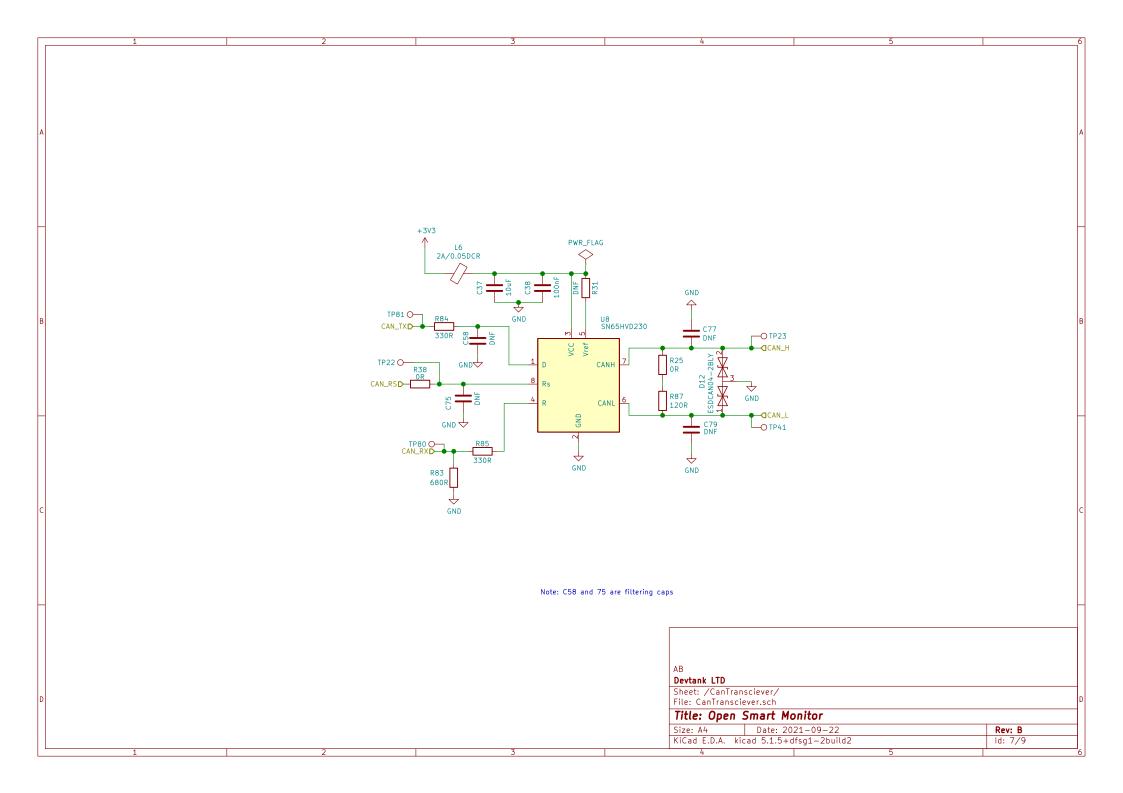
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2 Id: 2/9

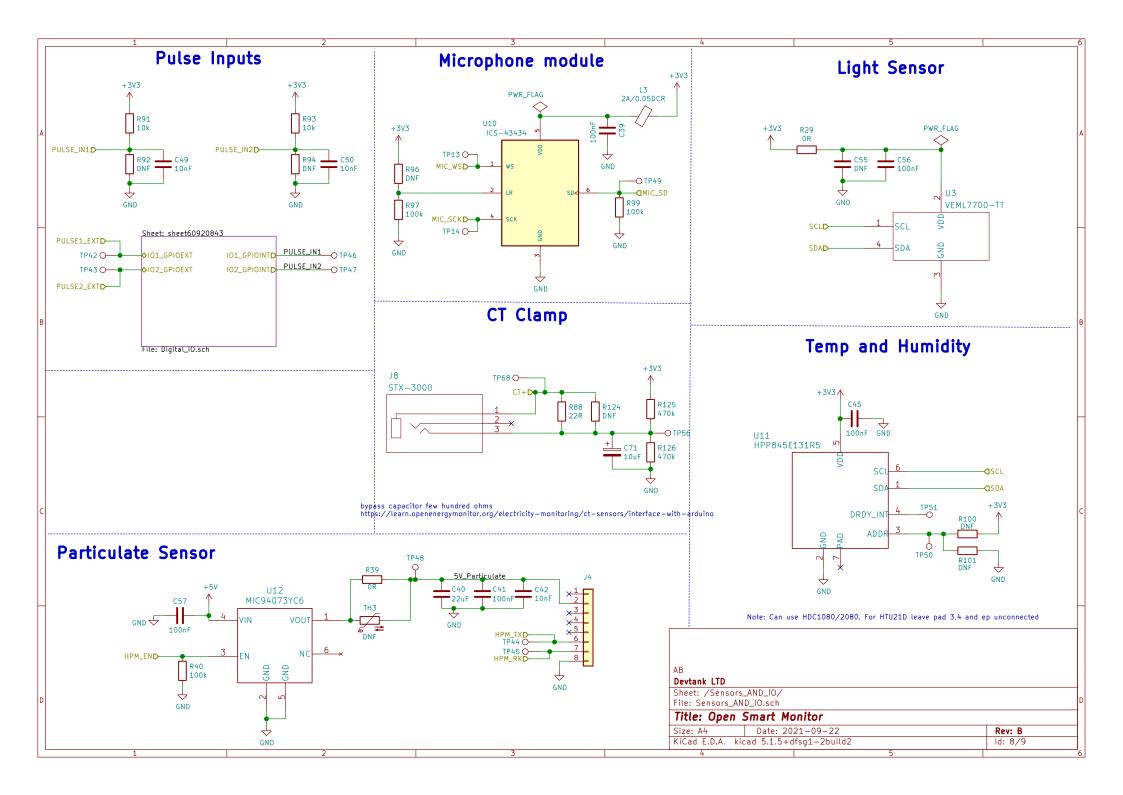












# 3V3 BI-DIRECTIONAL IO (5V TOLERANT) Max 3mA per GPIO +3V3 IO1\_GPIOEXT**♦** —DIO1\_GPIOINT IO2\_GPI0EXT**◇**─ —**D**IO2\_GPIOINT AB Devtank LTD Sheet: /Sensors\_AND\_IO/sheet60920843/ File: Digital\_IO.sch Title: Open Smart Monitor Size: A3 Date: 2021-09-22 KiCad E.D.A. kicad 5.1.5+dfsg1-2build2