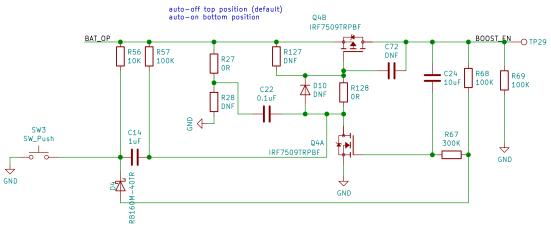
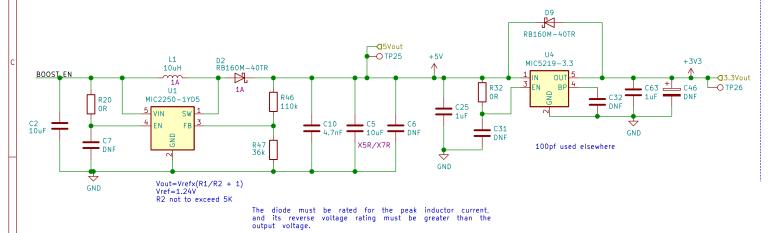


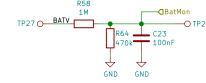
Latched powerbutton Circuit



5V and 3V3 Power Supplies

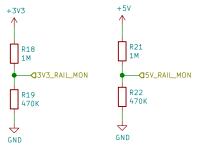


Battery Voltage Monitor



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

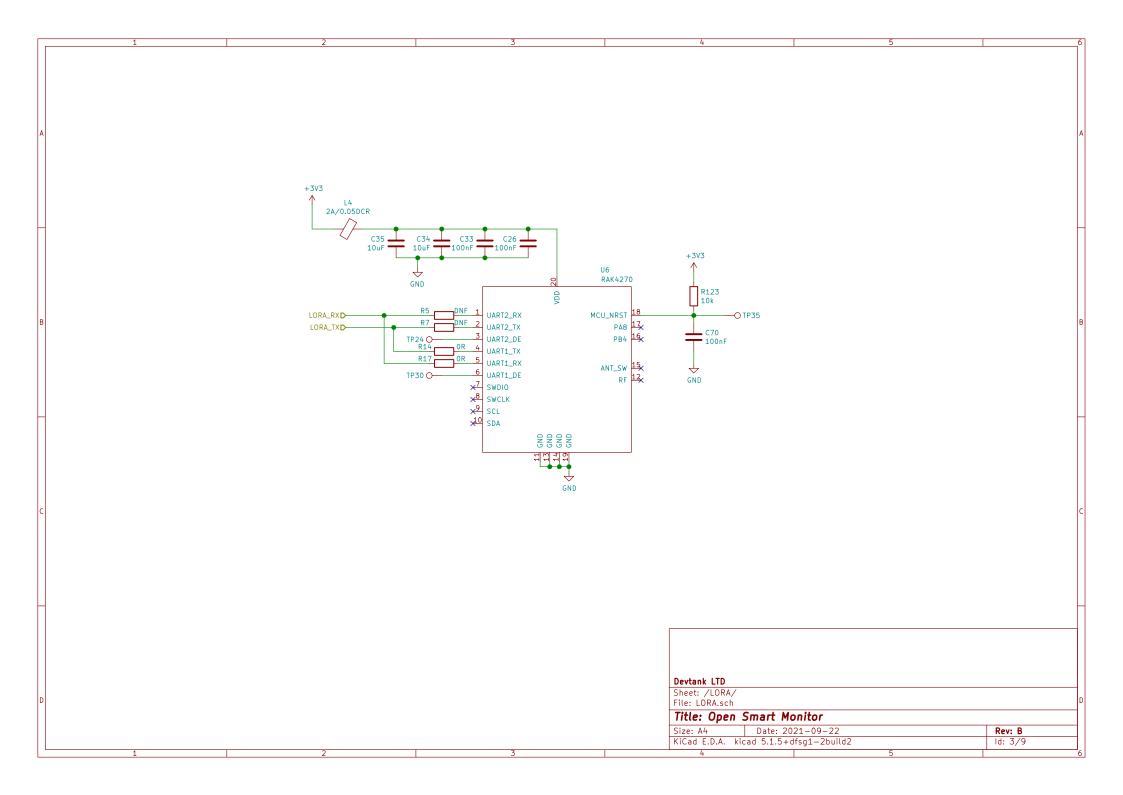
Devtank LTD

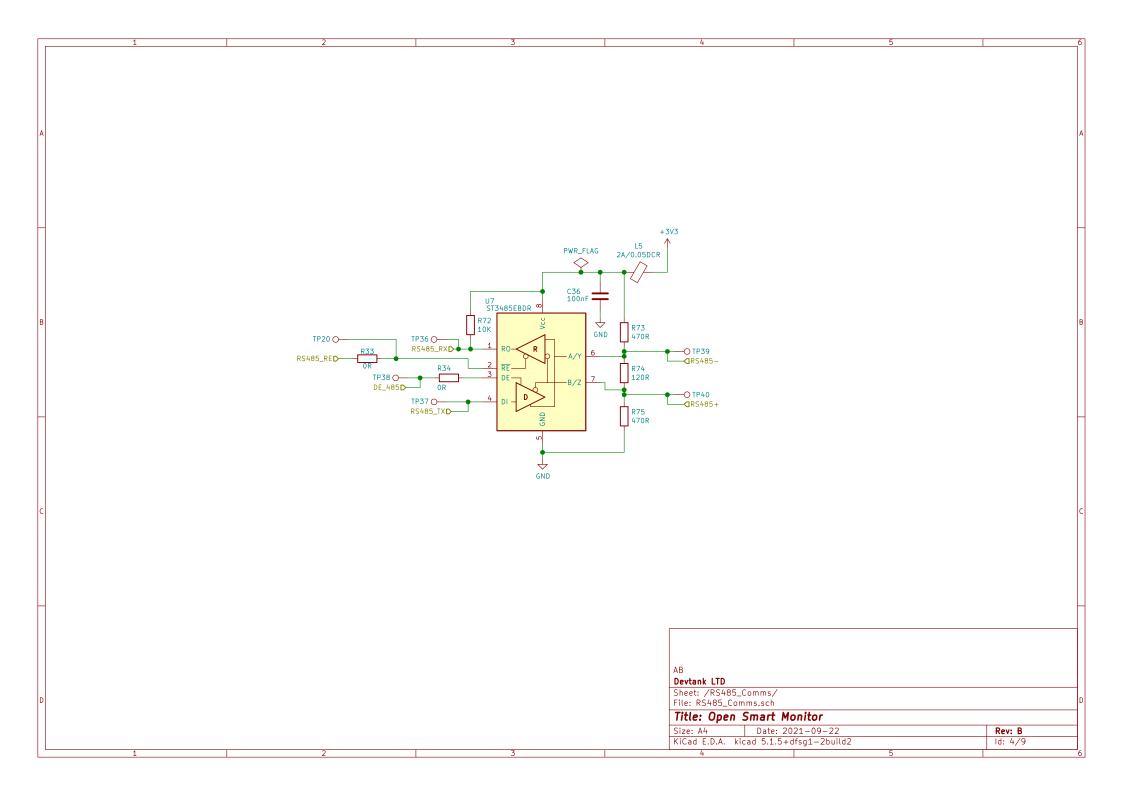
Sheet: /PowerSupply/
File: PowerSupply.sch

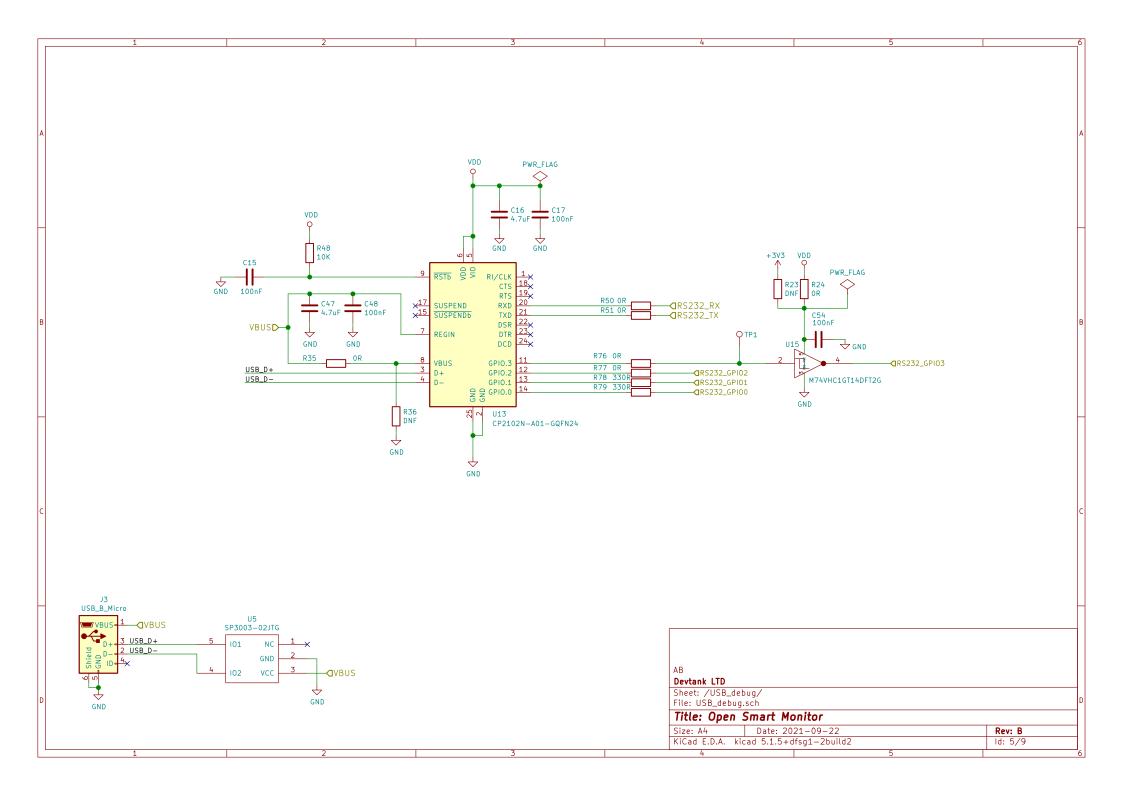
Title: Open Smart Monitor

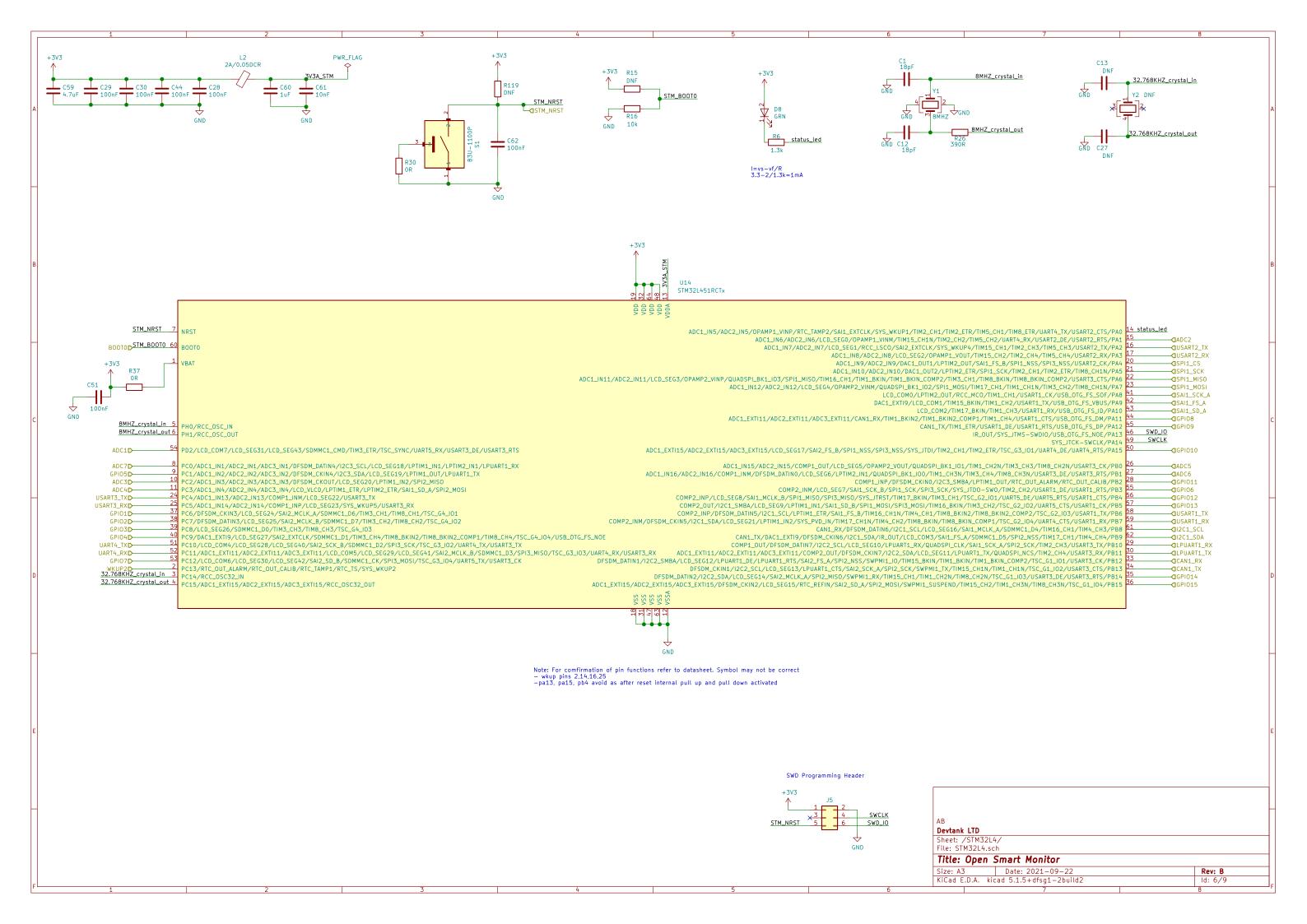
Size: A3 Date: 2021-09-22 Rev: B

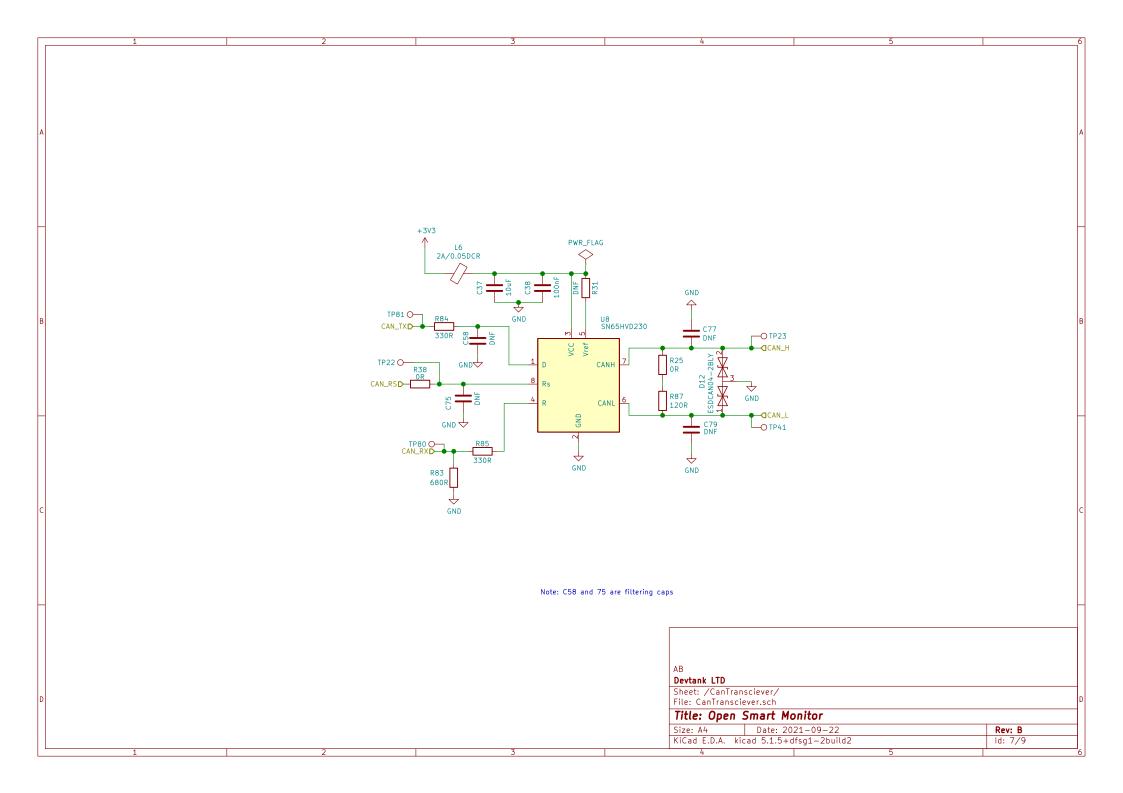
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2 Id: 2/9

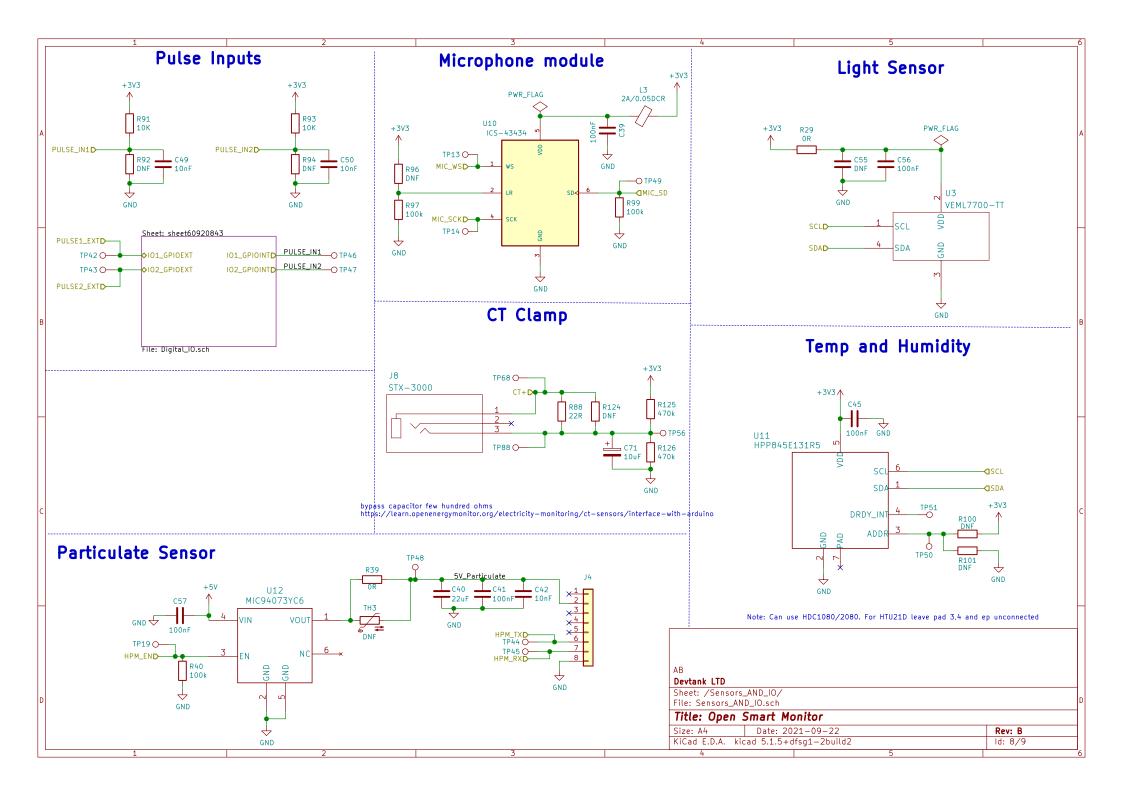












3V3 BI-DIRECTIONAL IO (5V TOLERANT) Max 3mA per GPIO +3V3 IO1_GPIOEXT♦ —DIO1_GPIOINT IO2_GPI0EXT**◇**─ —**D**IO2_GPIOINT AB Devtank LTD Sheet: /Sensors_AND_IO/sheet60920843/ File: Digital_IO.sch Title: Open Smart Monitor Size: A3 Date: 2021-09-22 KiCad E.D.A. kicad 5.1.5+dfsg1-2build2