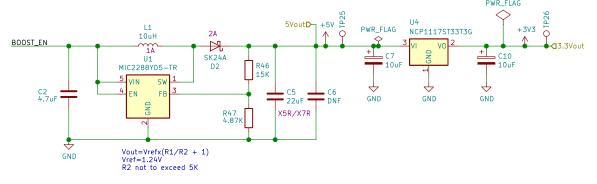


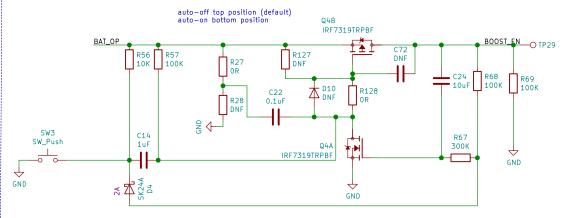
SVIND Li_lon Battery Charge Controller PWR_FLAG PWR_GOOD STATI STATIS THERM STATIS THERM STATIS THE STATIS

5V and 3V3 Power Supplies

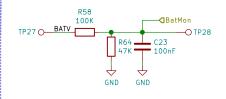


Note: If MIC2250 used R1 should be as large as poosible ideally around 100k

Latched powerbutton Circuit

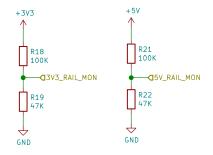


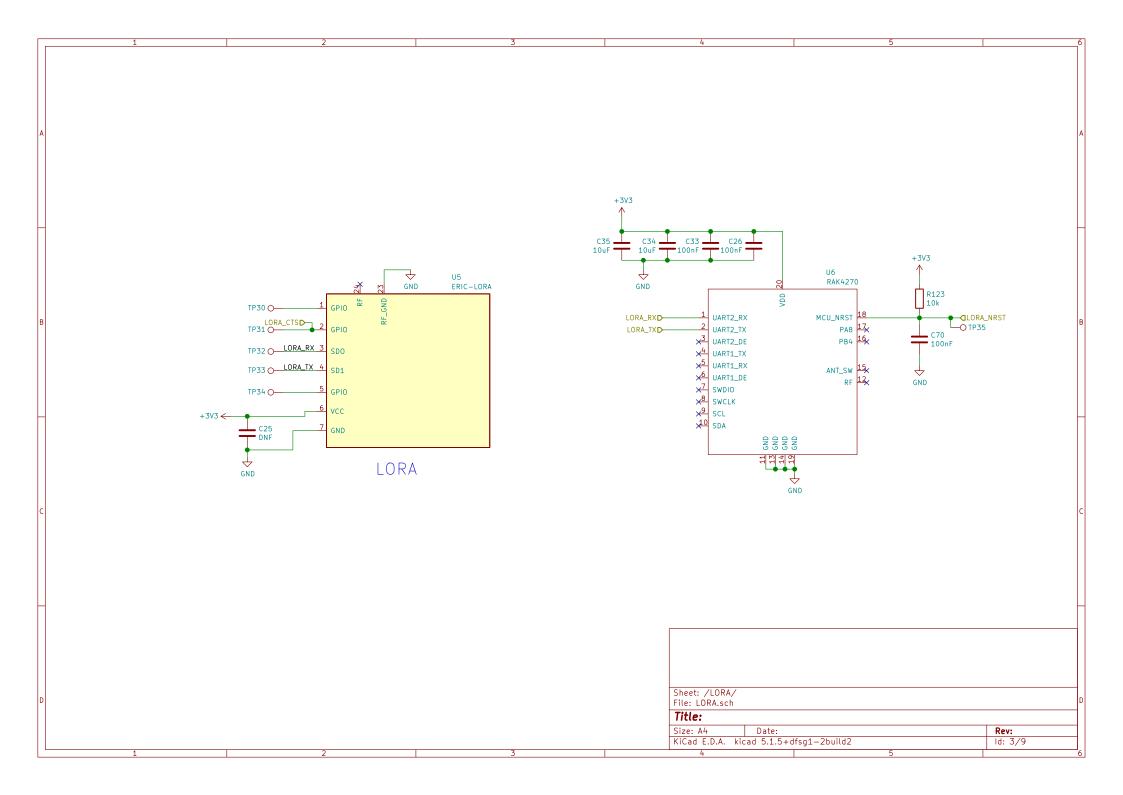
Battery Voltage Monitor

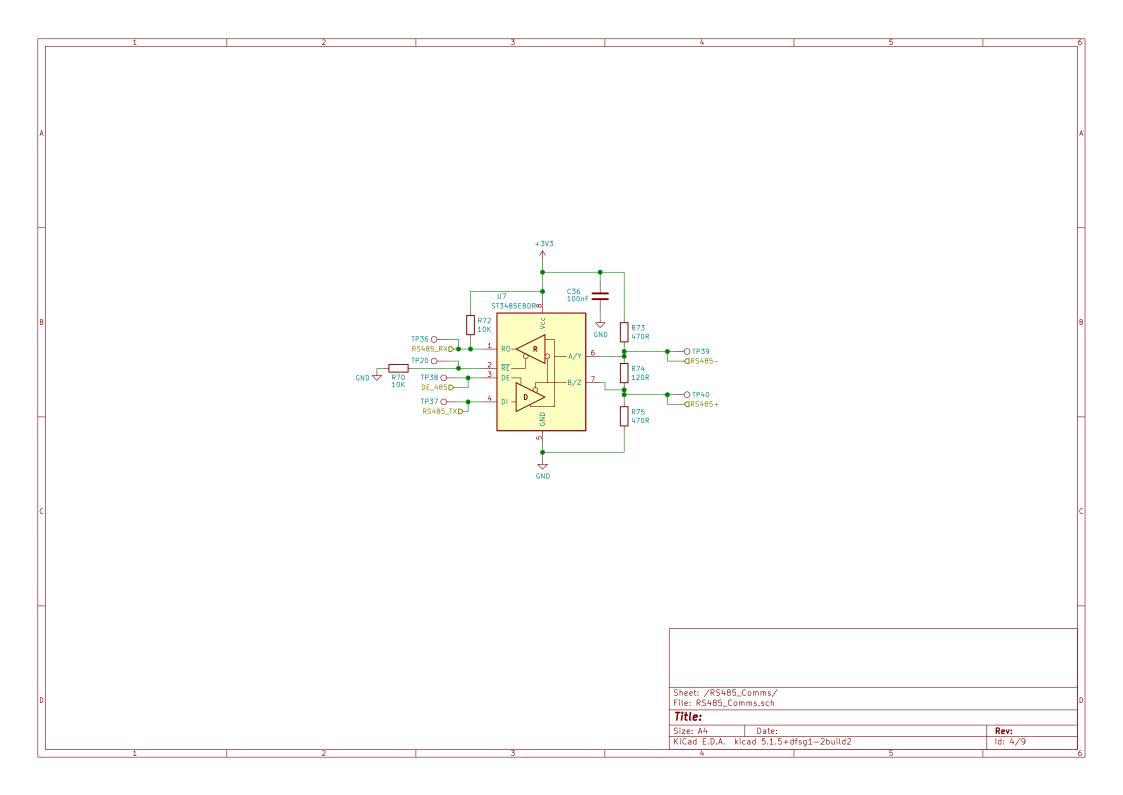


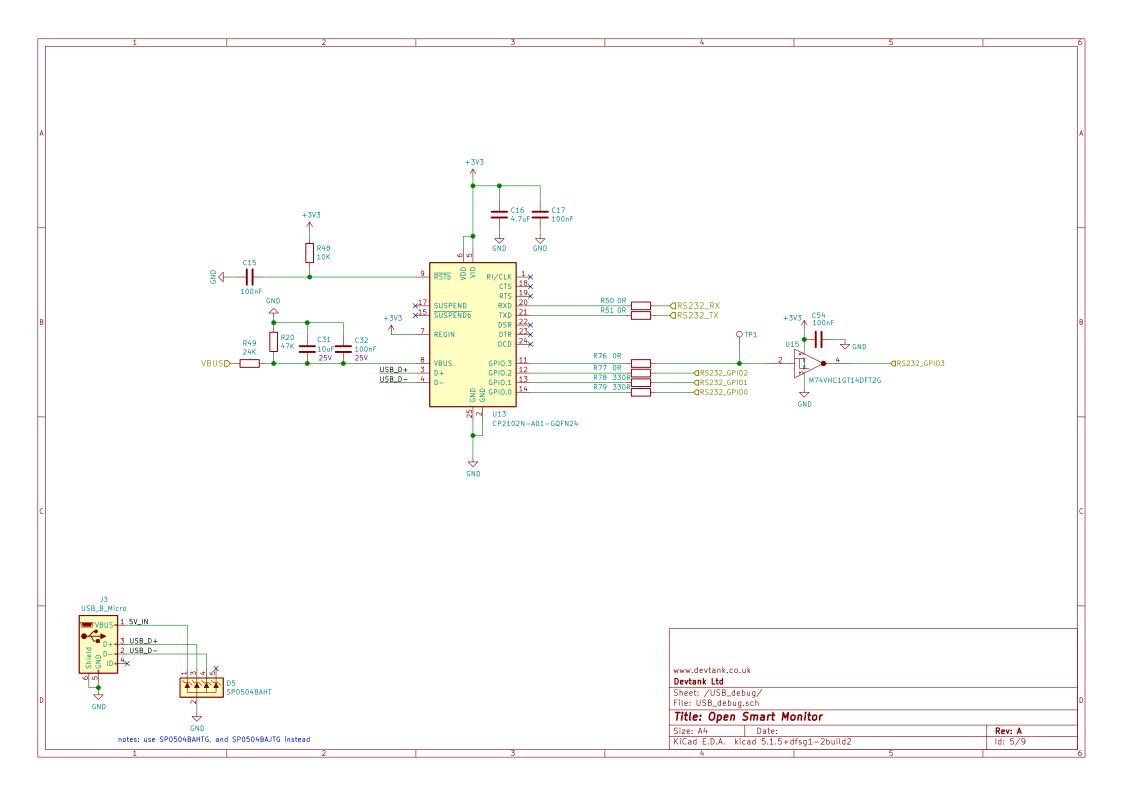
divider ratio=47/147=31.97 5/1024=1adc=4.88mm (4.2/4.88m)*0.3197=275.15adc=fully charged and above

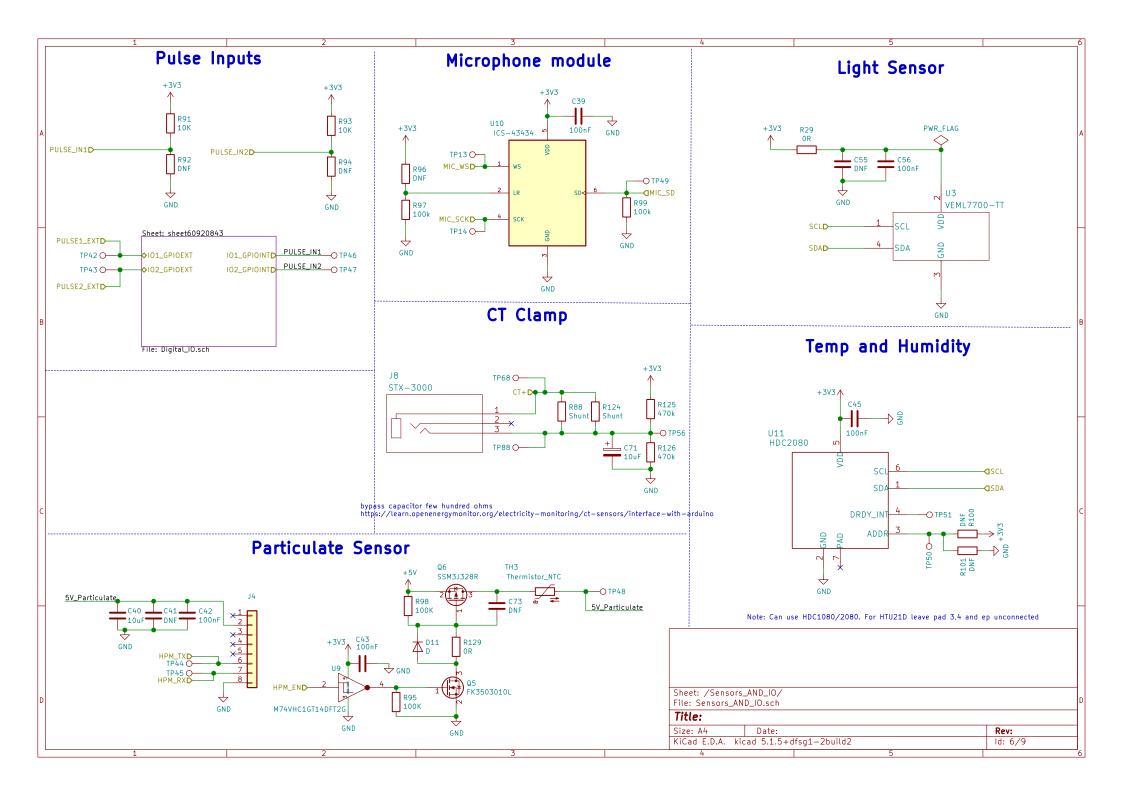
Voltage Rail Monitor











3V3 BI-DIRECTIONAL IO (5V TOLERANT) Max 3mA per GPIO +3V3 R104 1K →DIO1_GPIOINT IO2_GPIOEXT**◇** —**D**IO2_GPIOINT www.devtank.co.uk Devtank Ltd Sheet: /Sensors_AND_IO/sheet60920843/ File: Digital_IO.sch Title: Open Smart Monitor Size: A3 Date: KiCad E.D.A. kicad 5.1.5+dfsg1-2build2

