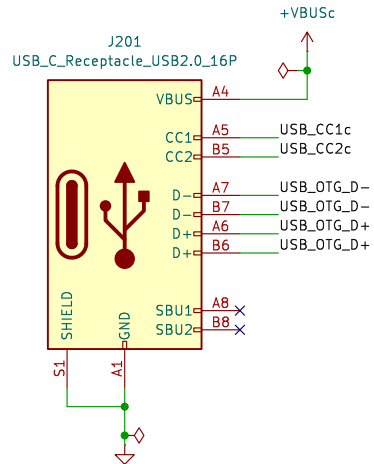
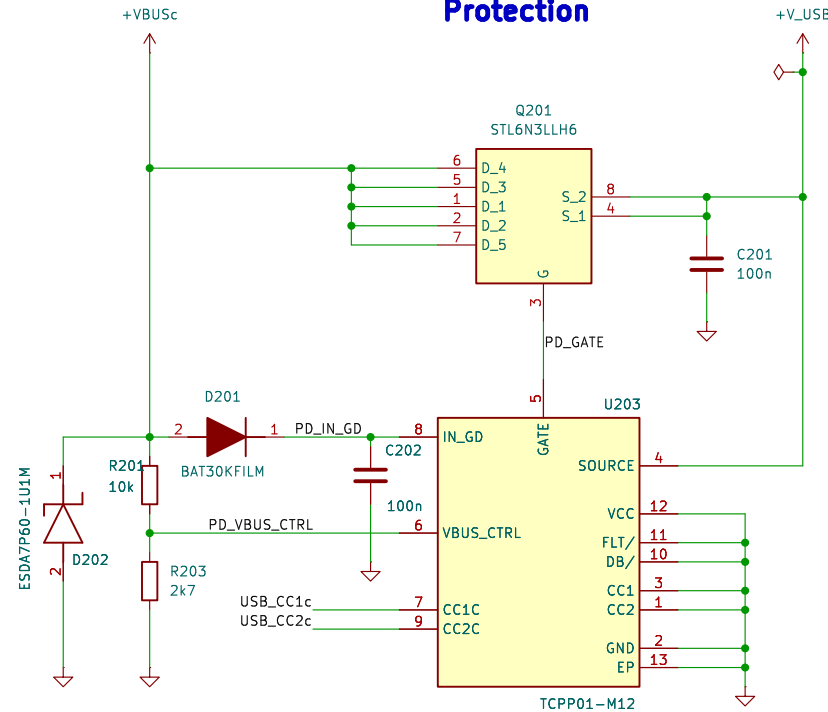


[1] Power Management

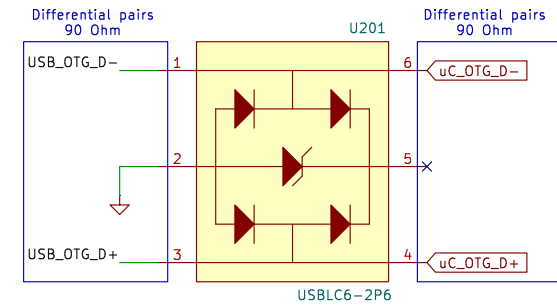
USC-C Receptacle



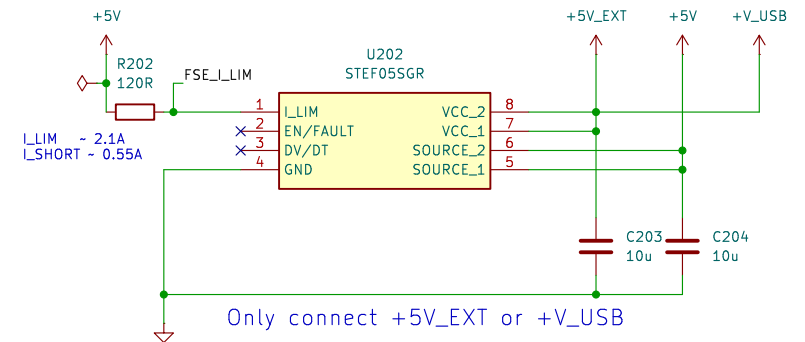
USB-C Power Delivery Protection



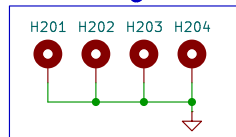
Data Line ESD Protection



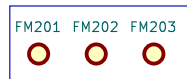
eFUSE Protection



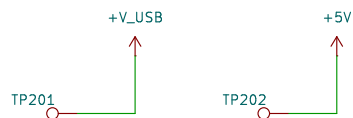
Mounting Holes



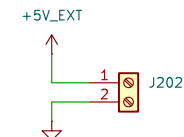
Fiducial



Test Points



EXT 5V Connector



Sheet: /USB/
File: usb.kicad_sch

Title:

Size: A4 Date:

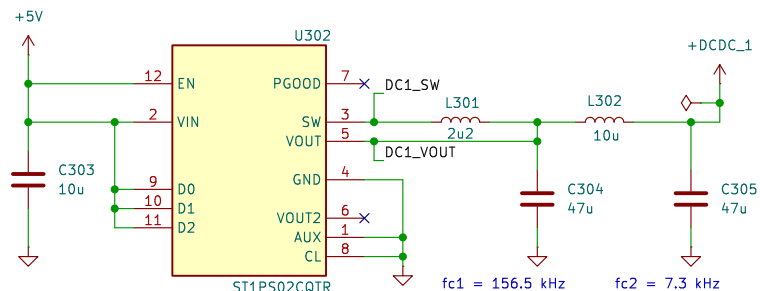
KiCad E.D.A. 8.0.5

Rev:

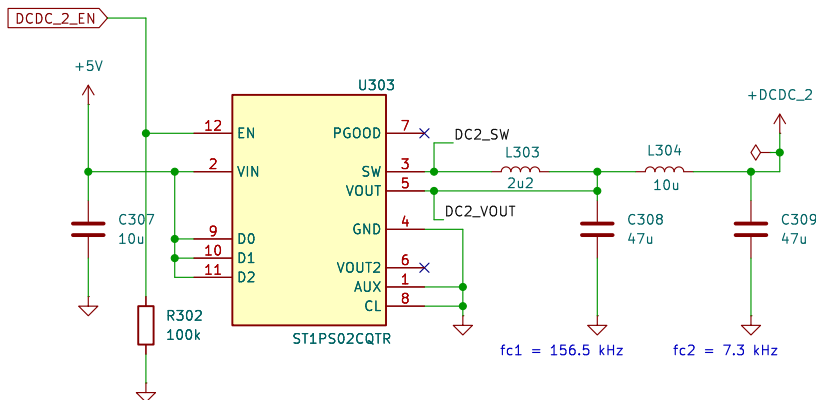
Id: 2/6

[1] Power Management

3.3V DC-DC

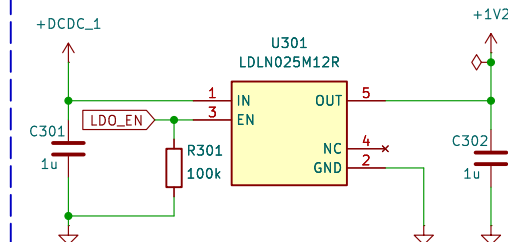


Outputs -> +DCDC_1 (3.3V)
+DCDC_1 supplies MCU, Sensors - Digital, Analog LDO, and BLE



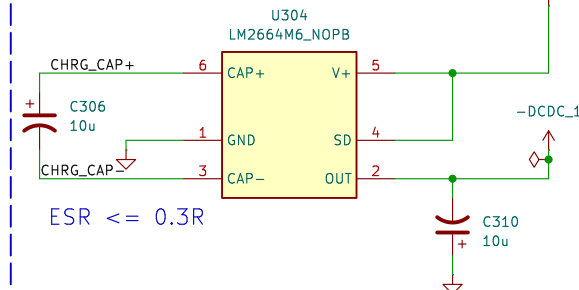
Outputs -> +DCDC_2 (3.3V)
+DCDC_2 supplies SD Card and RS-485

1.2V Analog LDO



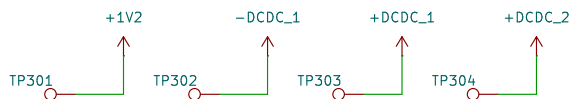
Outputs -> +1.2V
Reference Voltage for ADC

Voltage Converter



ESR <= 0.3R

Test Points



Sheet: /VR/
File: vr.kicad_sch

Title:

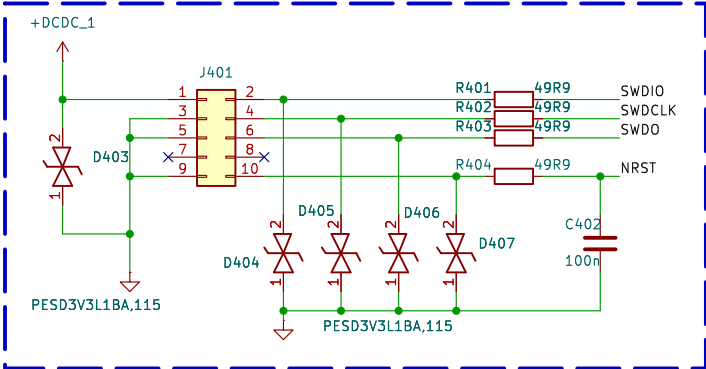
Size: A4 Date:

KiCad E.D.A. 8.0.5

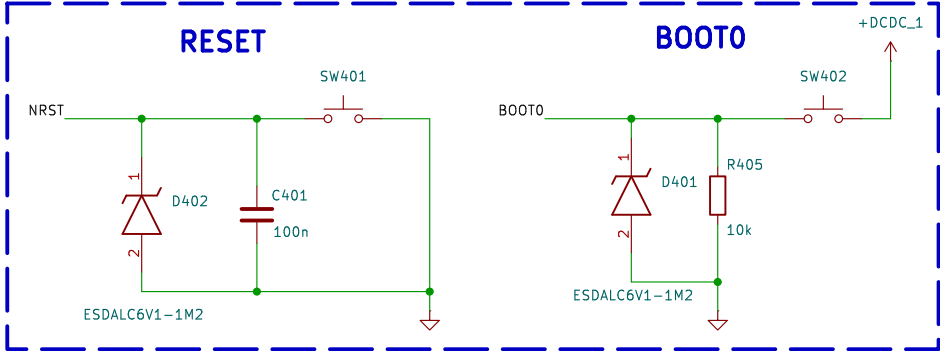
Rev:

Id: 3/6

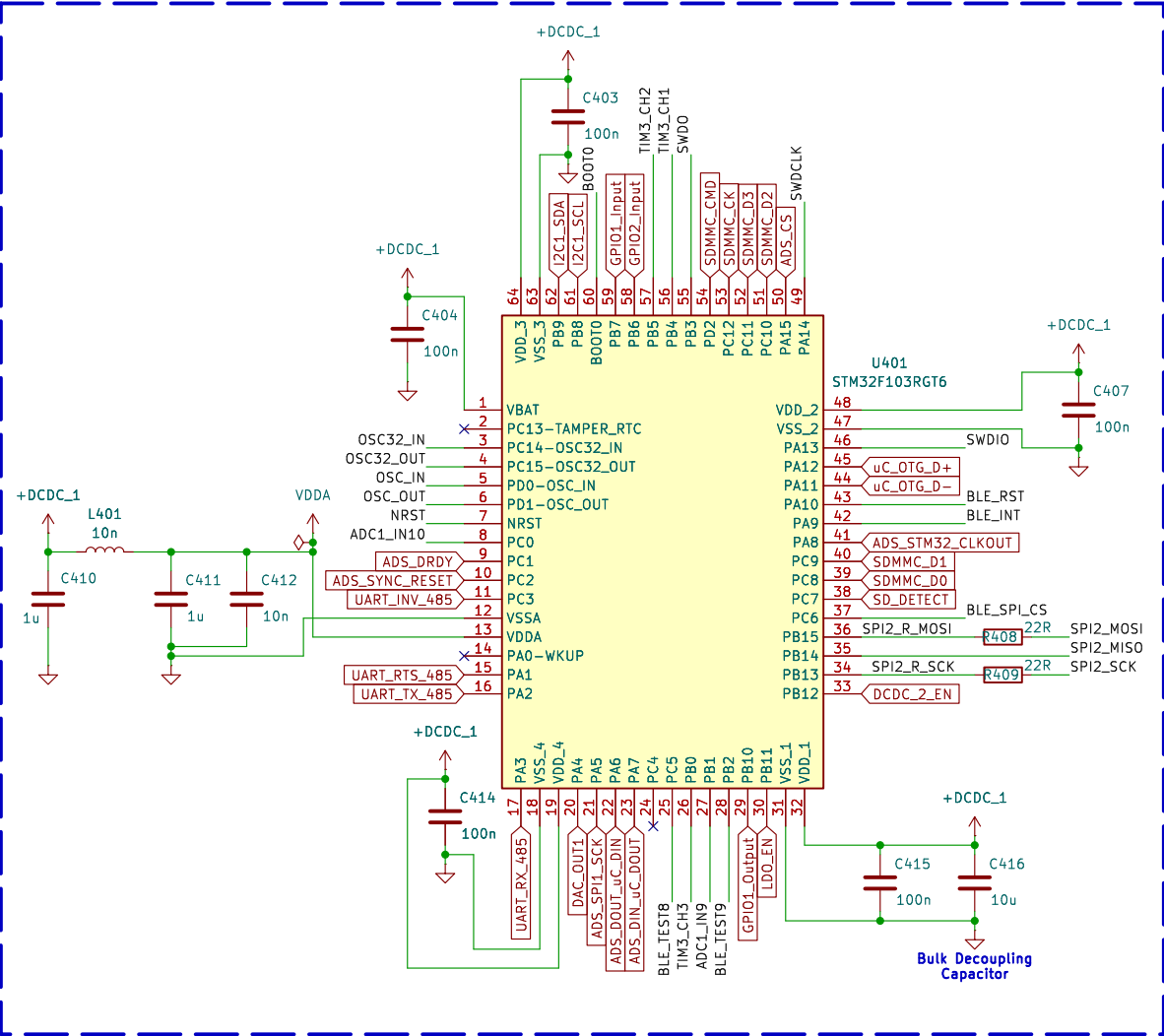
SWD Header



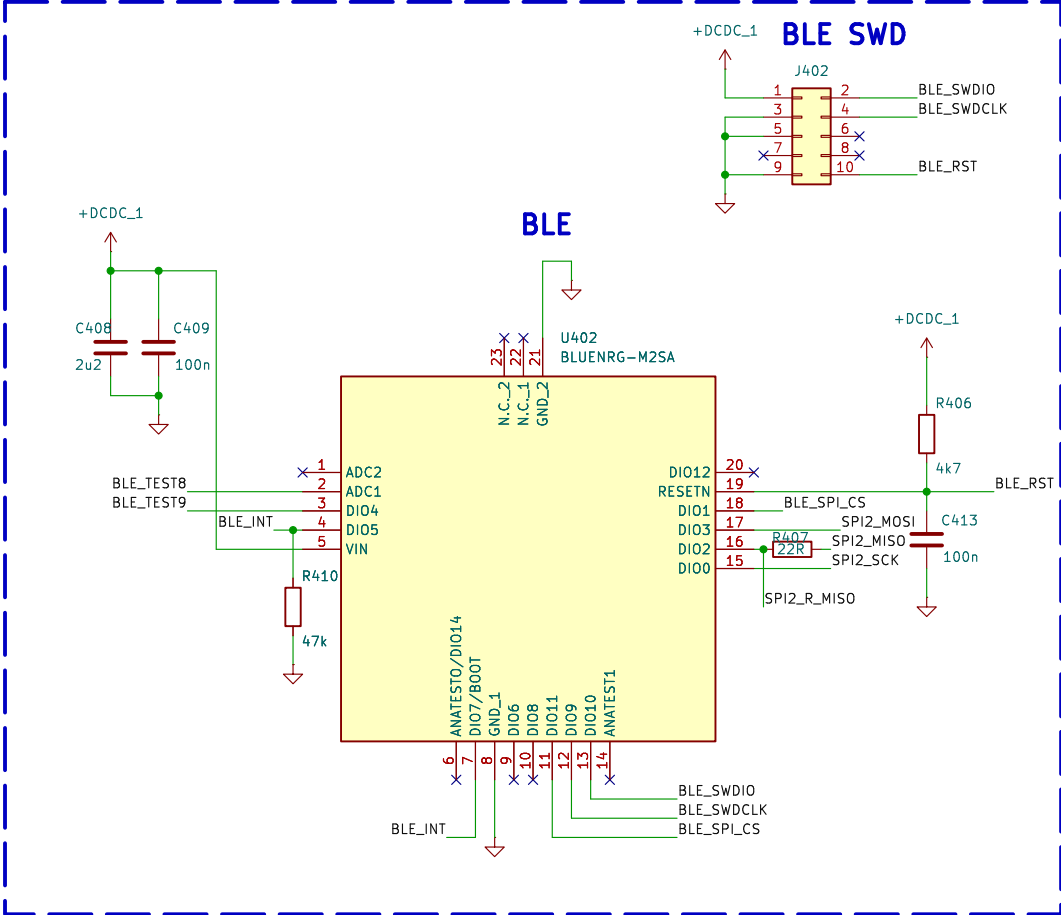
Switch – RESET & BOOT0



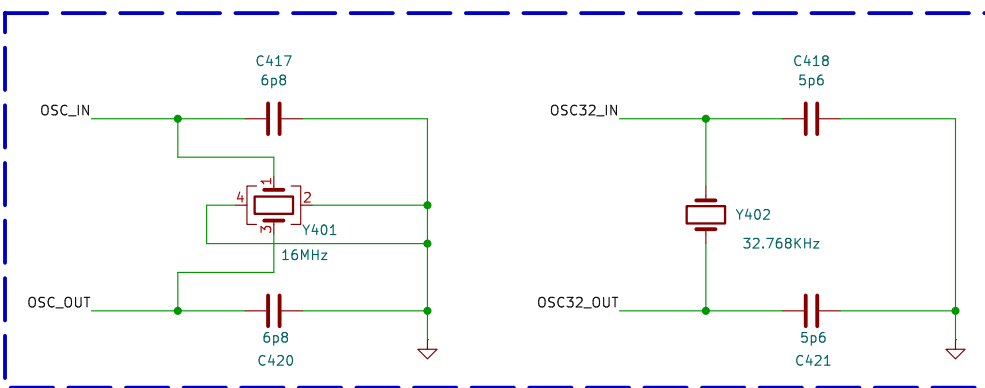
MCU – STM32F103RG6



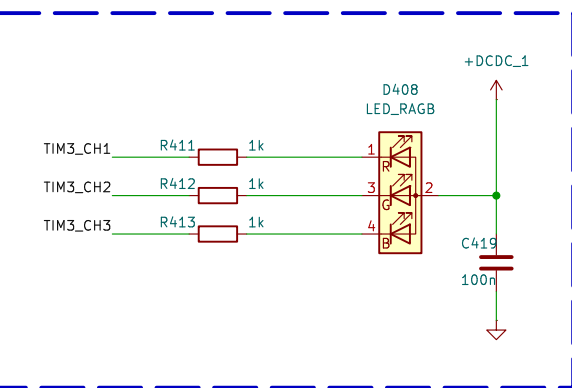
Bluetooth Low Energy (BLE)



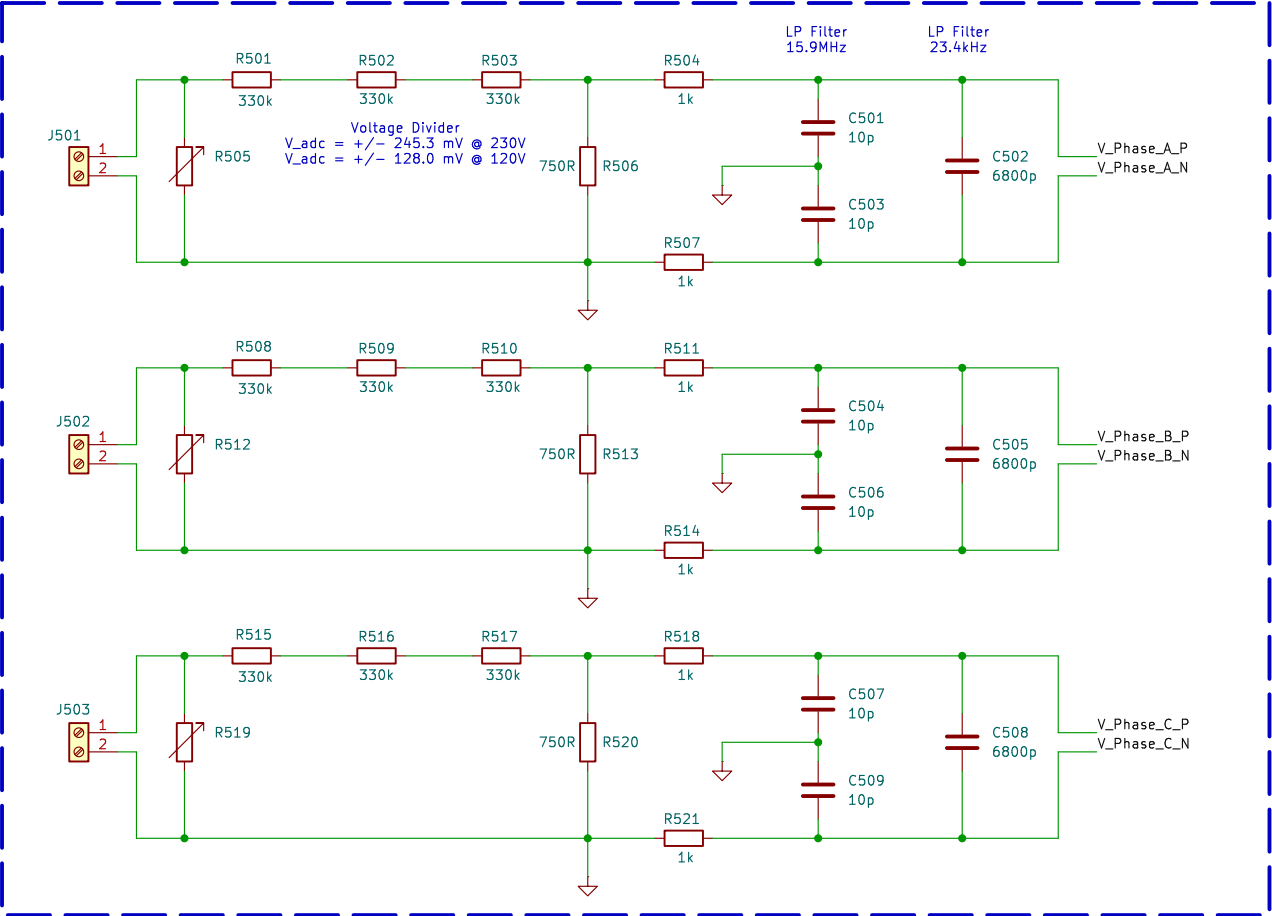
Crystal Oscillator



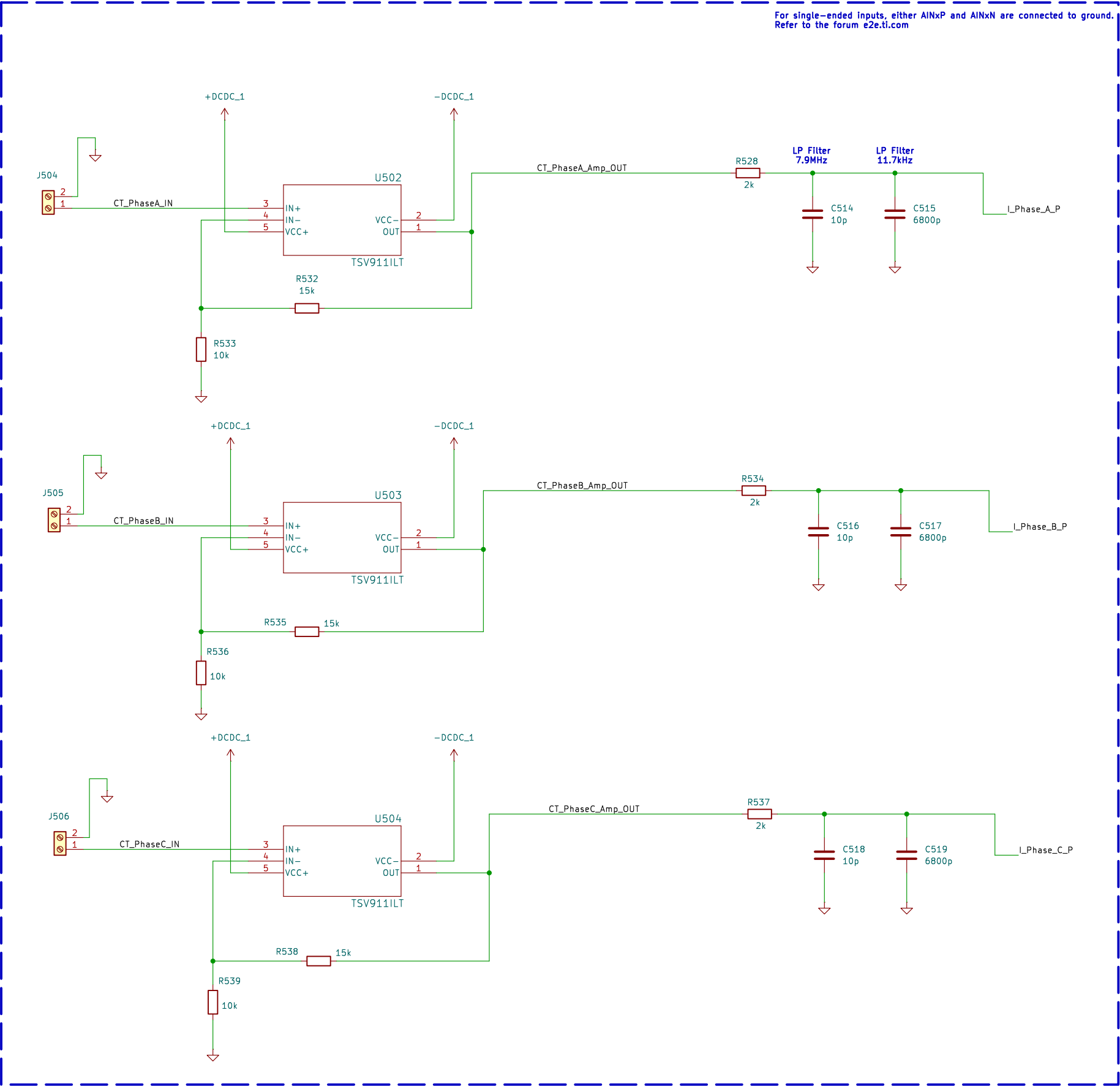
RGB LED



Voltage Input



CT(0.3333 Vac) Input



Synchronous ADC

