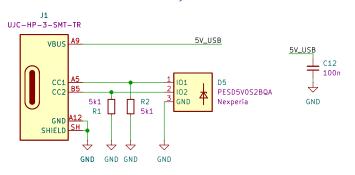
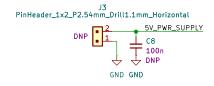
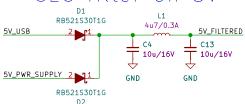
# Power only USB-C



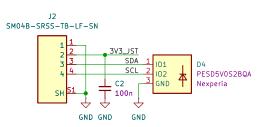
## External power supply input



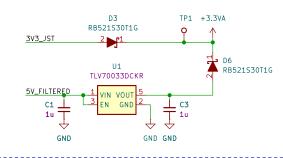
#### CLC filter on 5V

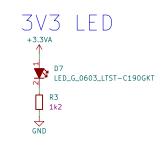


#### QWIIC connector



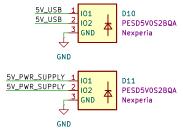
#### Power selection



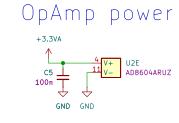


# 12C ADC +3.3VA +3.3VA +3.3VA ADC101C027CIMK/NOPB Conversion freq depends on f\_CLK. Recomended I2C speed is 400kHz. RC filter calculated for 10kHz. Max R value is 1k to avoid conversion issues.

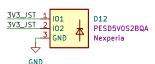
#### 5V ESD protection



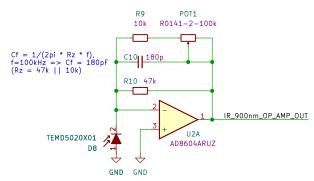




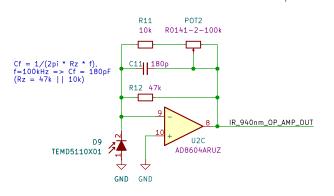
#### 3V3 ESD protection



## Top IR 900nm with amplifier

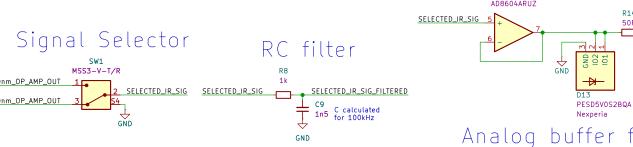


#### Bottom IR 940nm with amplifier



#### BNC connector with analog buffer

Conn\_BNC\_031-70526-21



# Analog buffer for ADC









MP2 PCB\_Mount\_Hole\_2.5\_6.2





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