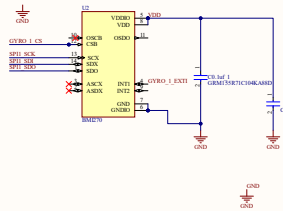
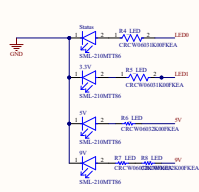


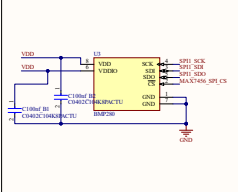
Gyro / Accelerometer (May need to eventually switch to BM270 due to availability)



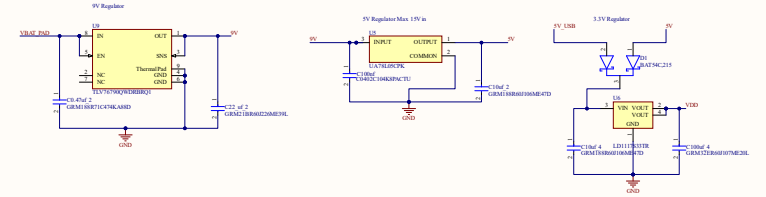
LED's



Barometer pretty straight forward connections 3.3V

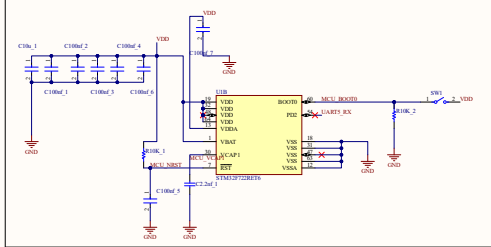


Power

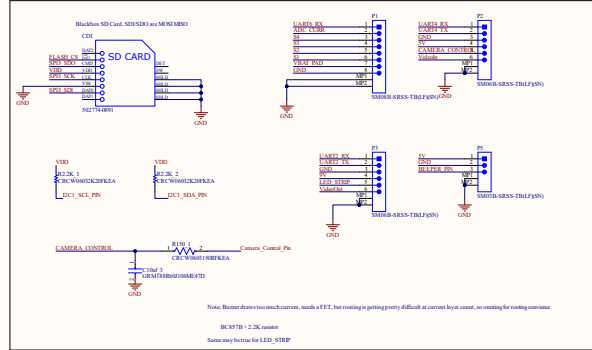


STM32F7 Power

Additional filtering for analog power



Connections, I2C pullups, CameraControl joystick interface



Note: Resistor draws too much current, needs a PUL, but not going to getting pretty difficult to current layer count, so waiting for existing solution  
BC307B = 2.2K resistor  
Same way for the LED, 3.3V

STM32F7 Data Pins

