

1

2

3

4

A

A

B

B

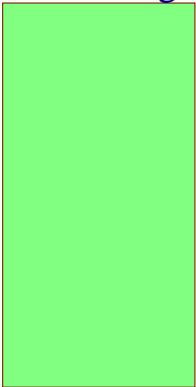
C

C

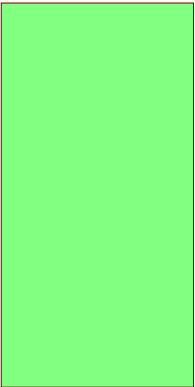
D

D

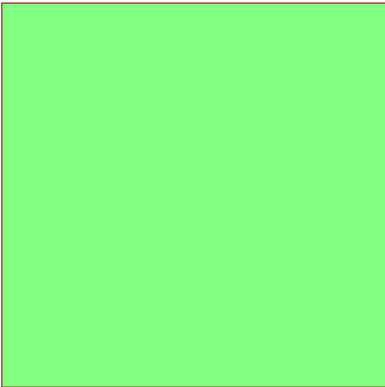
Power Regulation



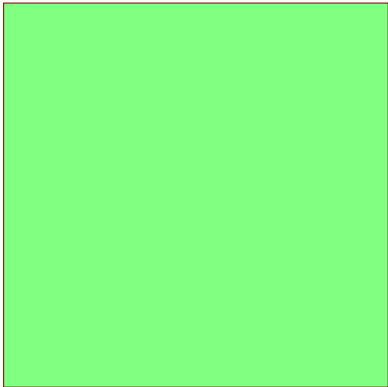
Sensors



STM32 Microcontroller



Connectors and USB



Title: *Top Level*

Size: A4

Drawn By: Alex Dyer

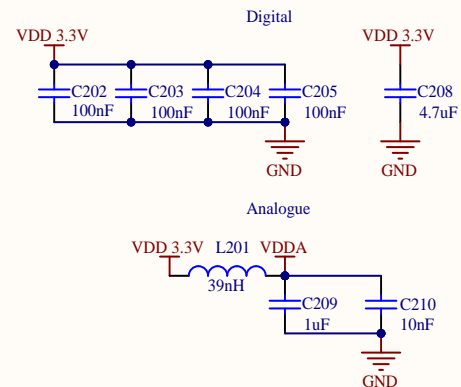
Revision: A

Date: 08/05/2021

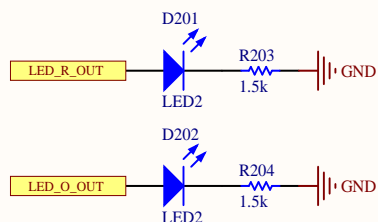
Time: 18:13:11

Sheet 1 of 5

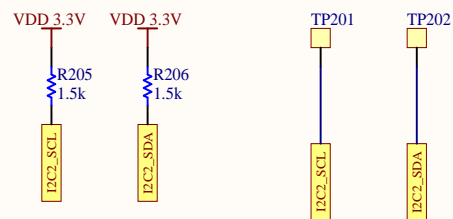




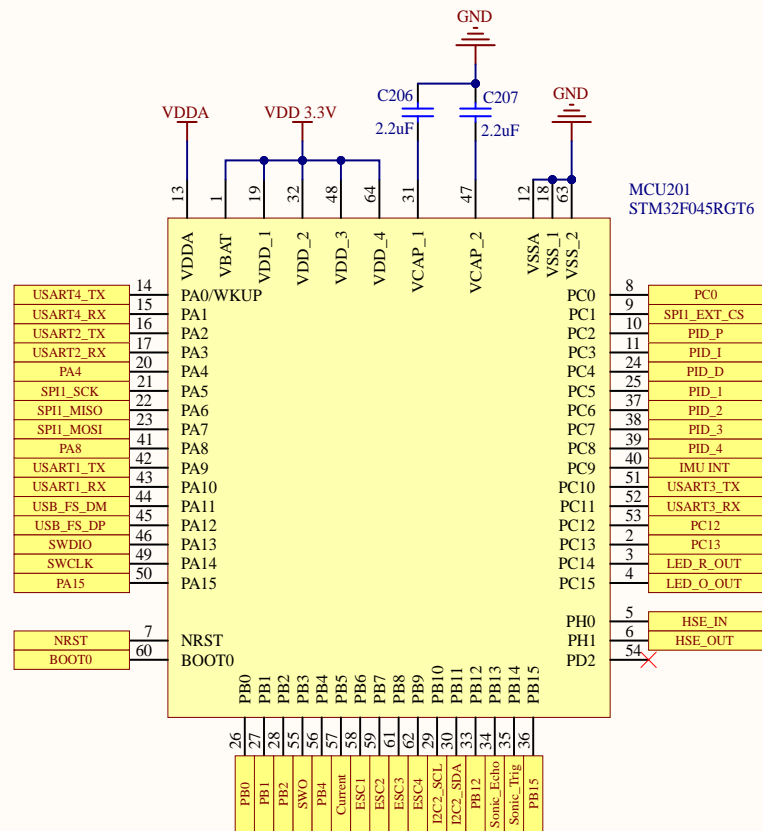
Decuoping and Filtering



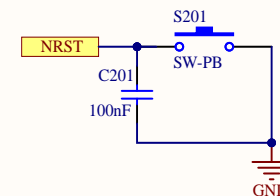
Status LEDs



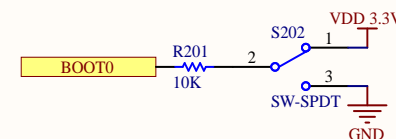
I2C Pull ups + Test points



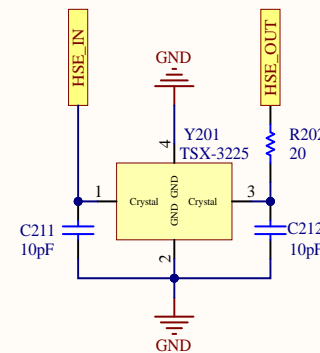
Main Microcontroller



Reset button

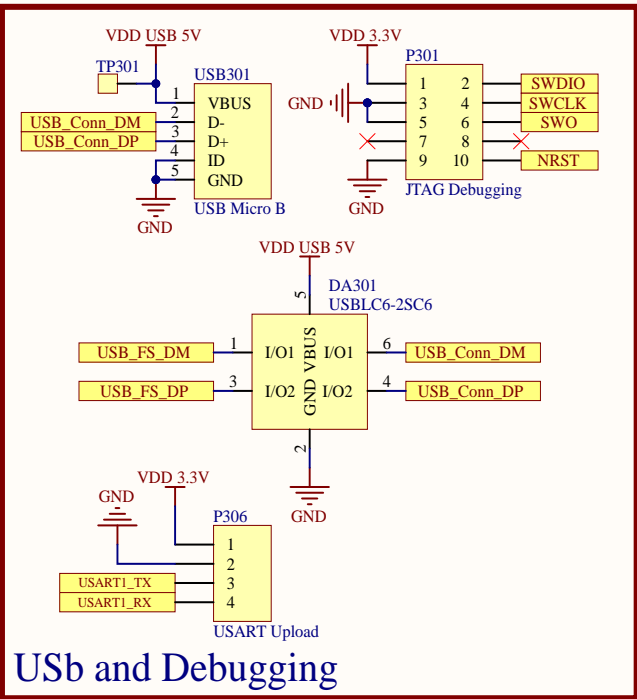
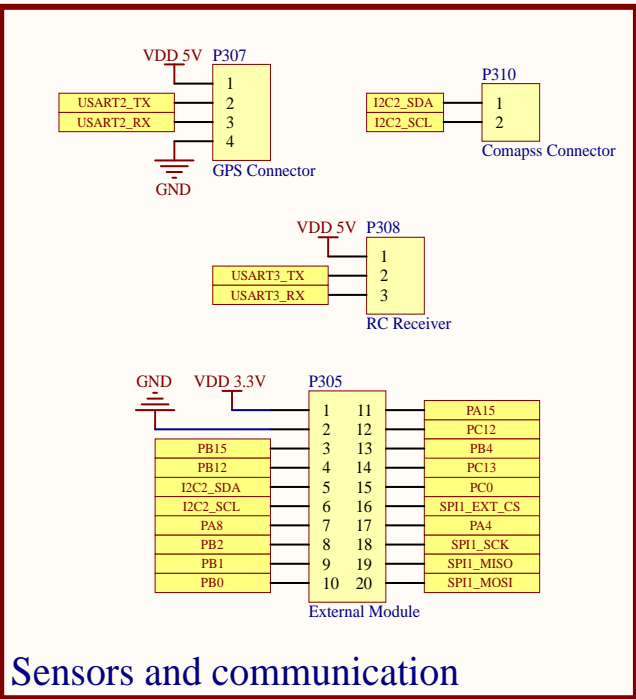
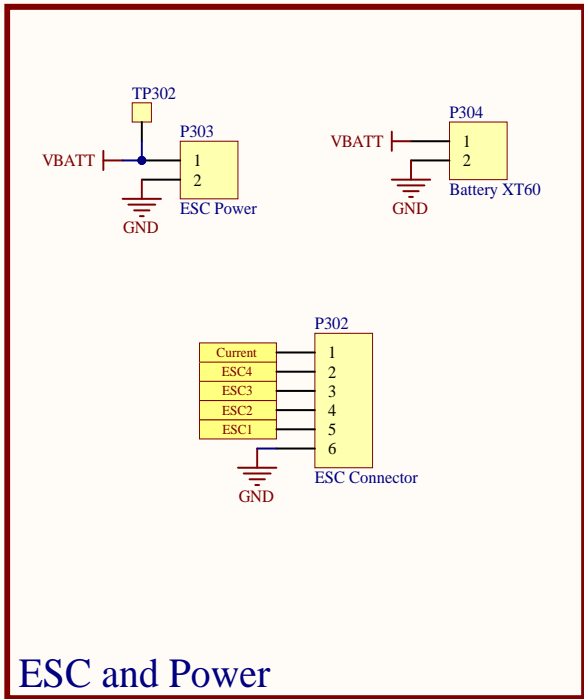


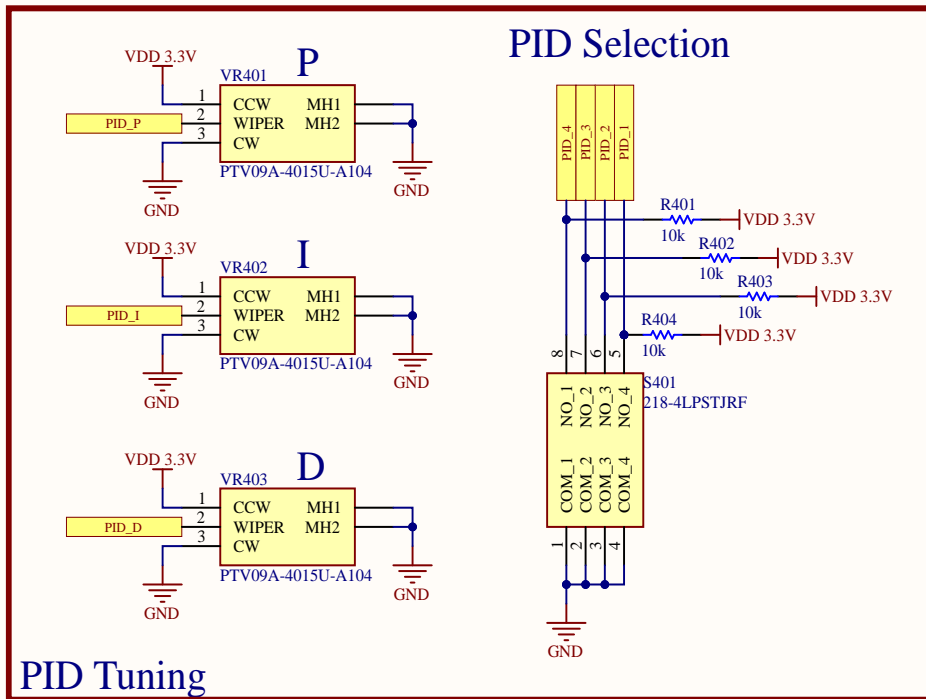
Boot Switch



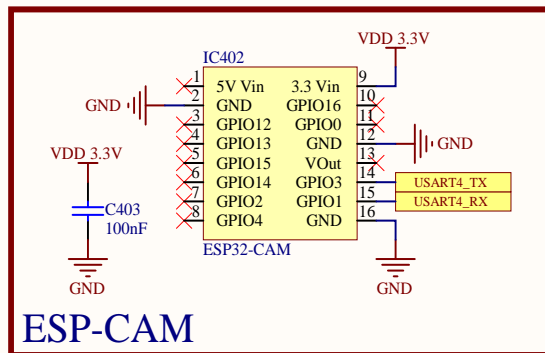
High speed external oscillator

Connectors

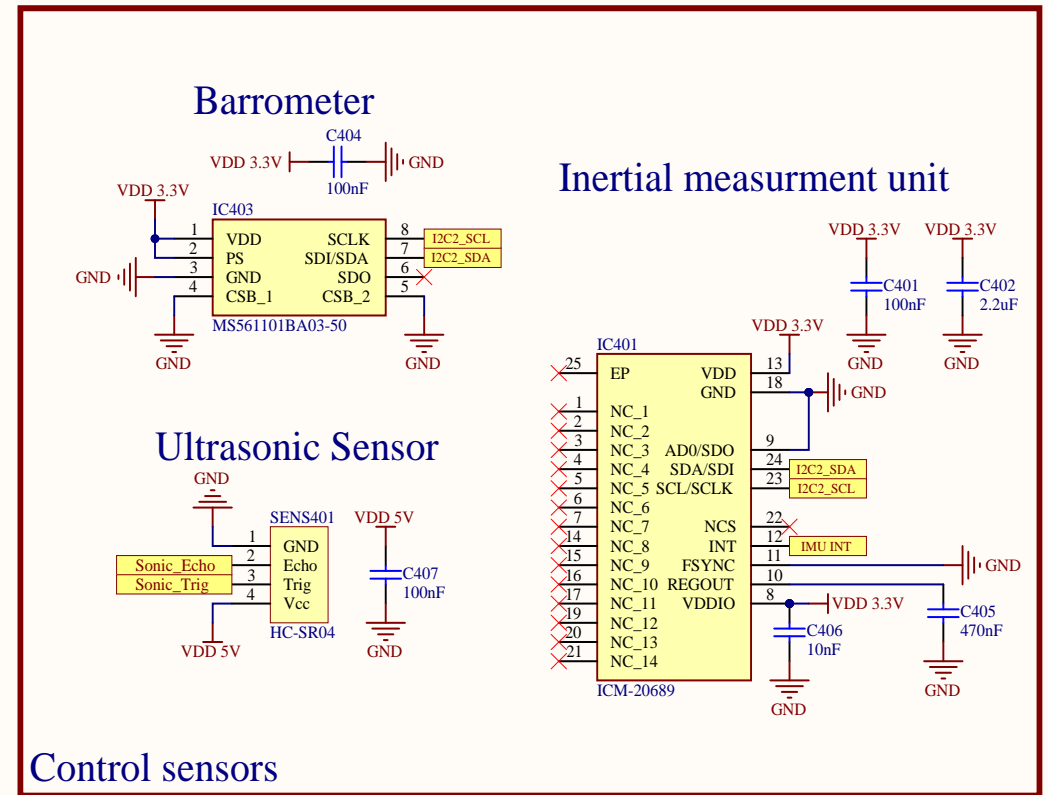


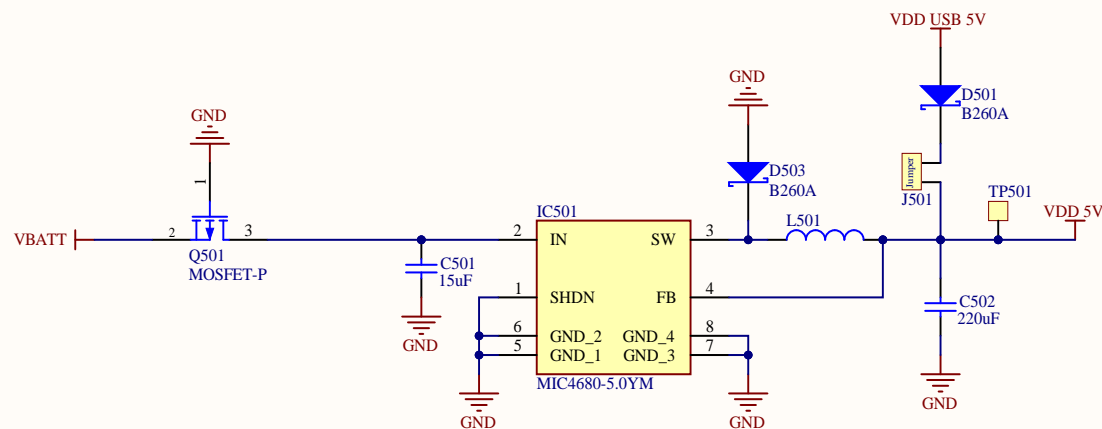


PID Tuning

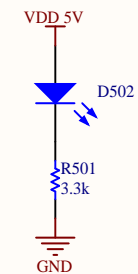


ESP-CAM

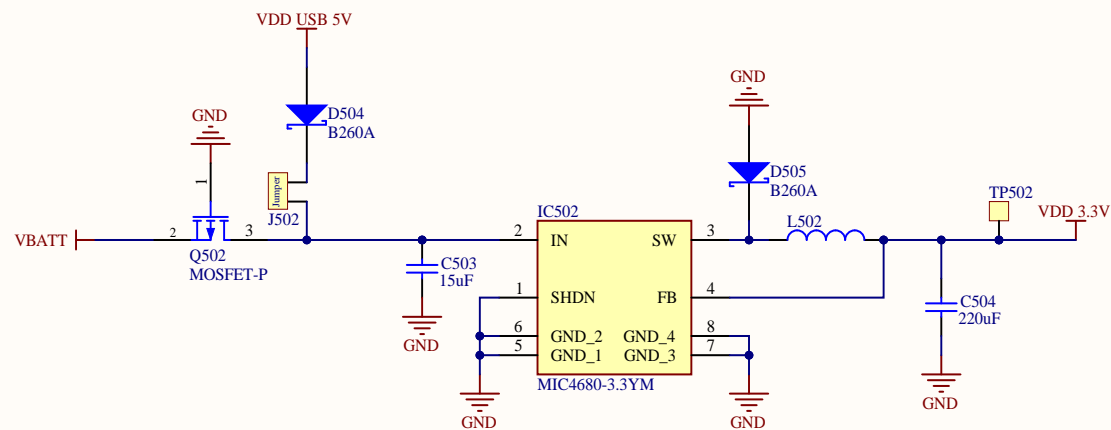




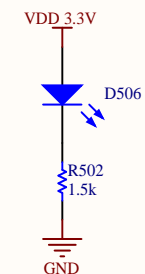
5 V Buck Regulator



5 V Power Check LED



3.3 V Buck Regulator



3.3 V Power Check LED

