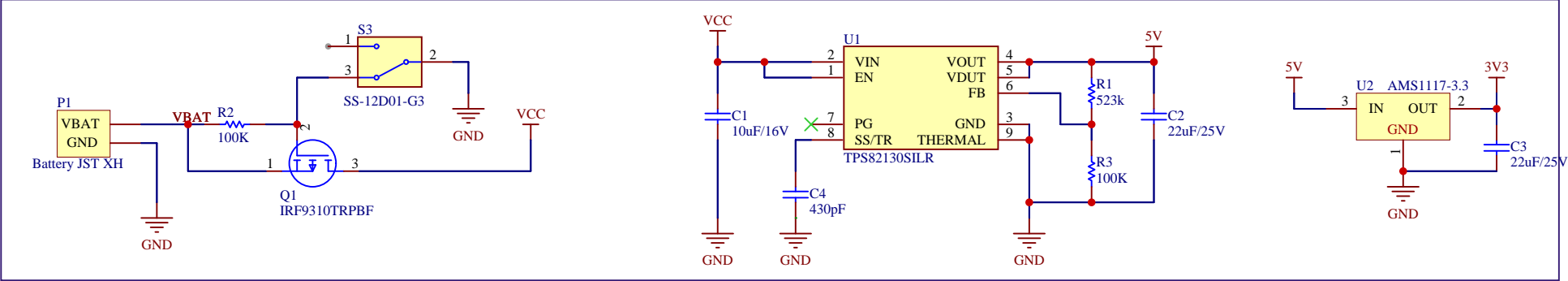
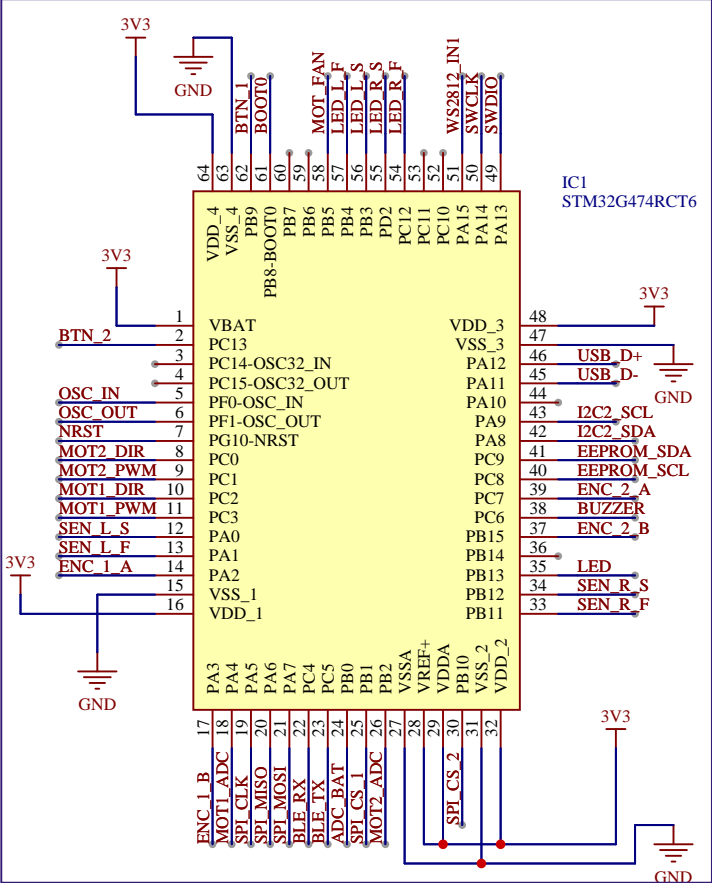


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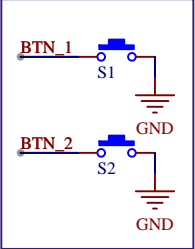
POWER SUPPLY



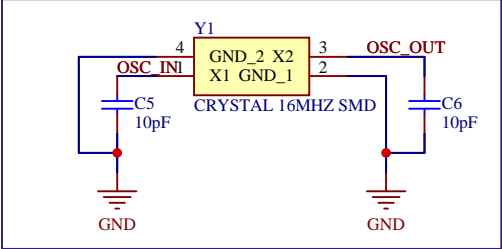
MICROCONTROLLER



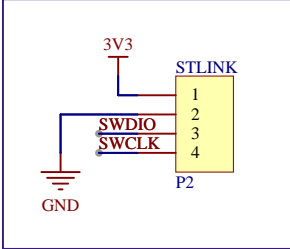
BUTTONS



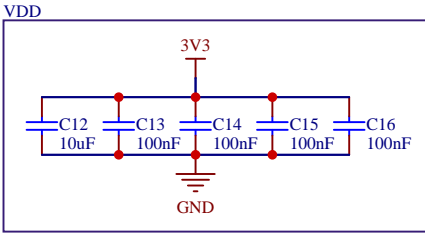
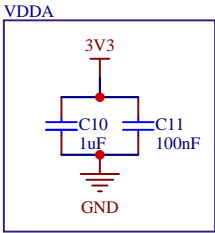
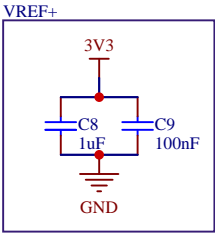
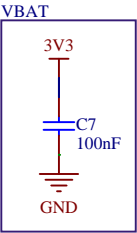
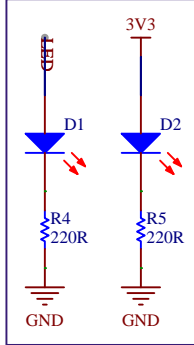
OSCILLATOR



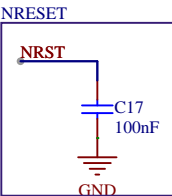
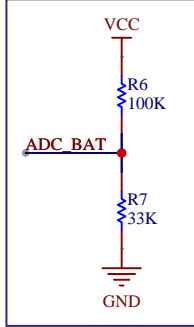
DEBBUGER



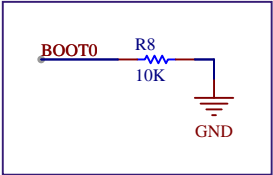
LEDS



BATTERY MEASURE



BOOT CONFIG



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$I_{trip} = \text{Max Driver Current}$

$I_{trip} = V_{ref} / (R_{irop} * 0.000455)$

Using $R = 2K$ and $V_{REF} = 3.3$

$I_{trip} = 3.626A$

MOT1_ADC cannot be larger than adc max value.

So:

$V = R * I = R * A_{ipropi} * i \Rightarrow$

$V = 2000 * 0.000455 * i$

Para $V = 3.3$, $I = 3.62$

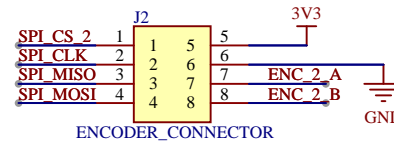
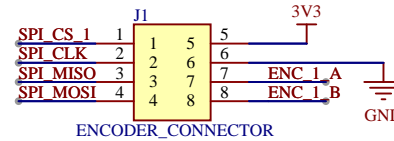
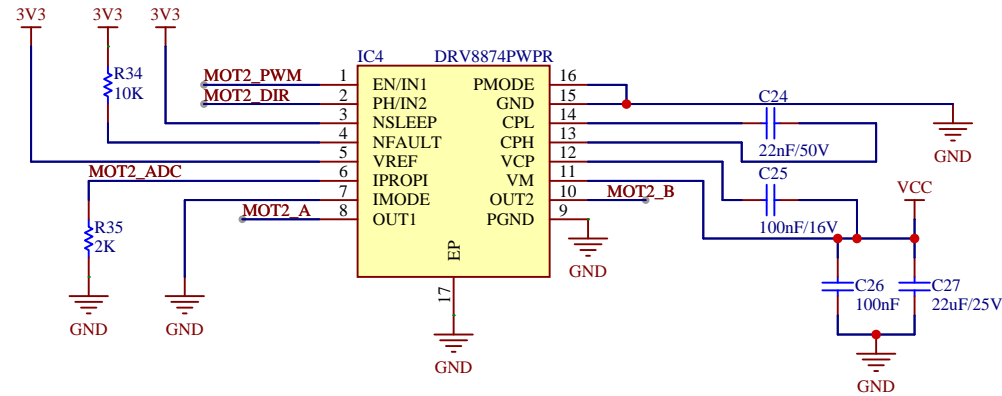
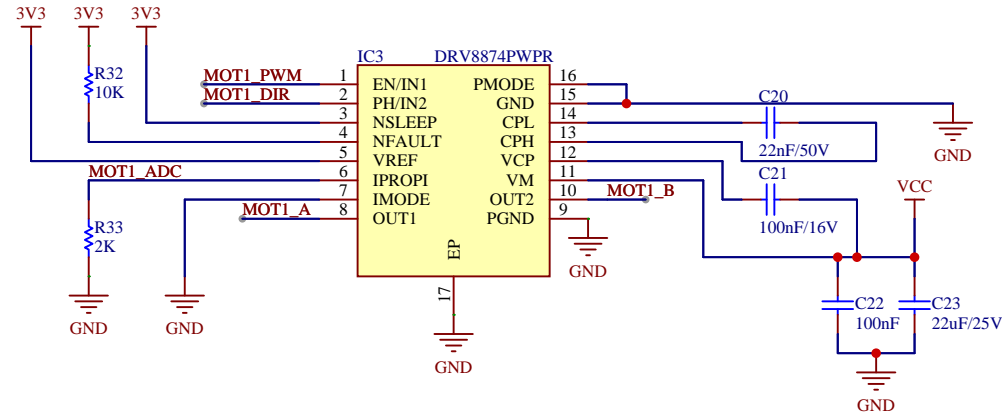
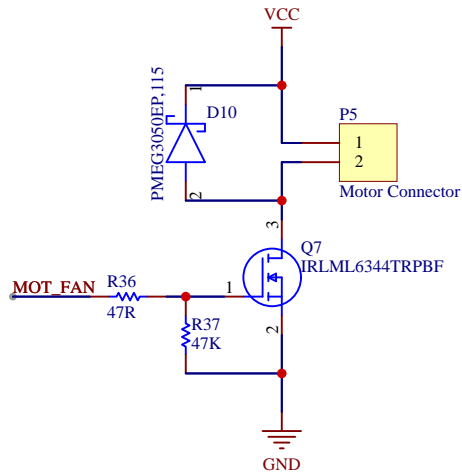
Precisã o do ADC:

$3.3/4096 \rightarrow 0.000805664mV$

Precisã o da corrente:

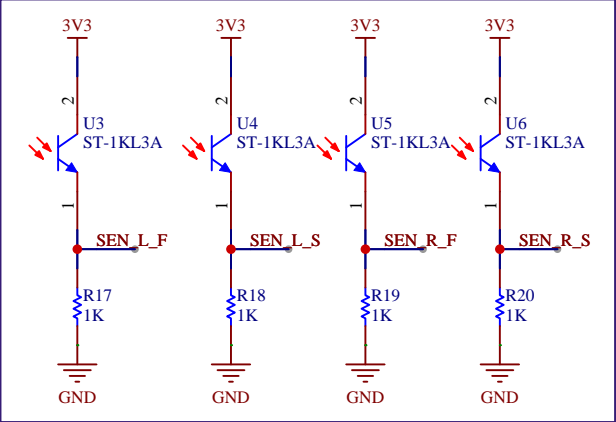
$V = R * I = R * A_{ipropi} * i$

$i = 0.000805664 / (2000 * 0.000455) = 0.88mA$

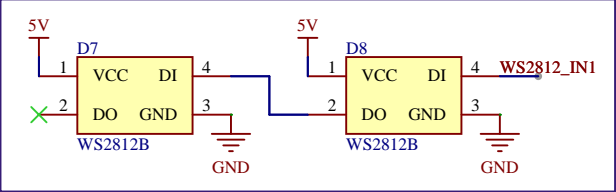


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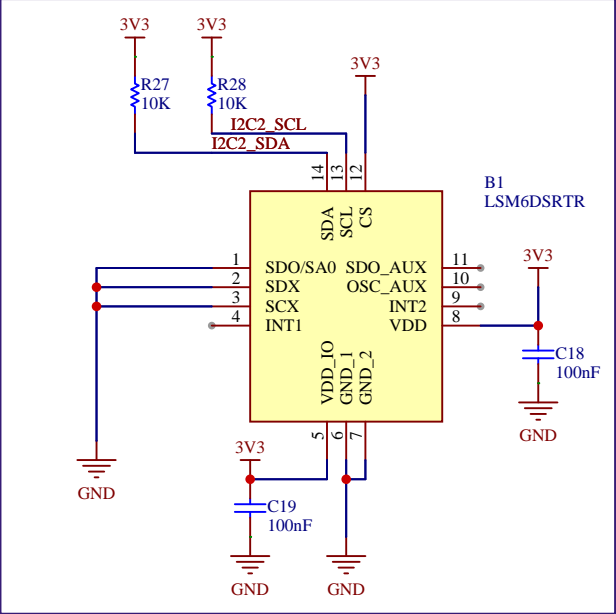
PHOTOTRANSISTOR



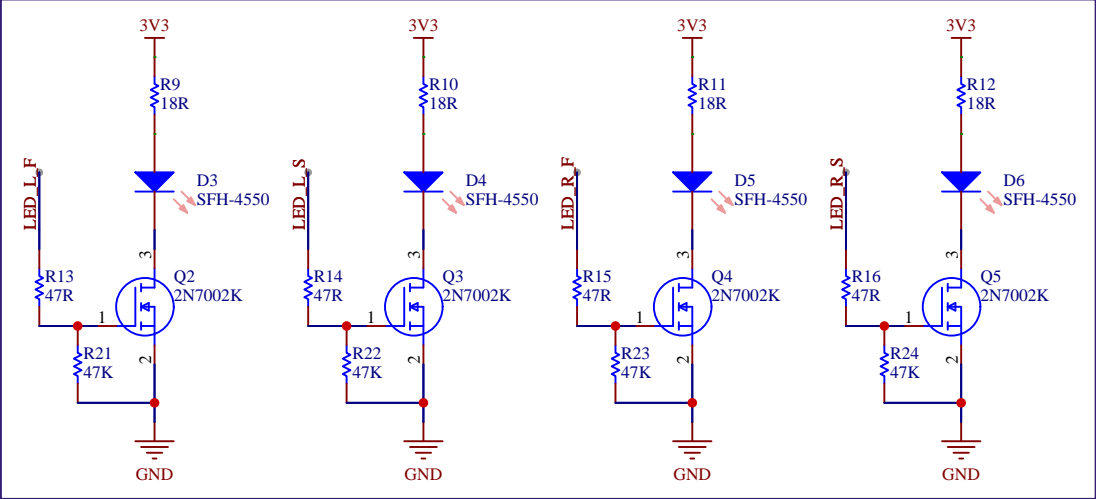
RGB



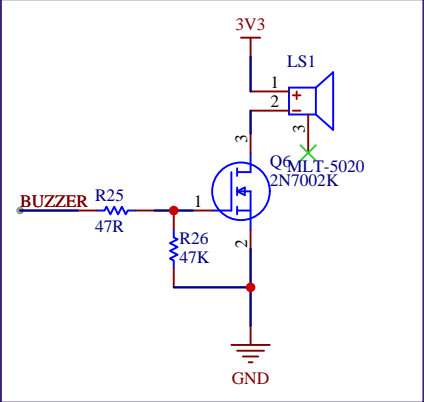
IMU



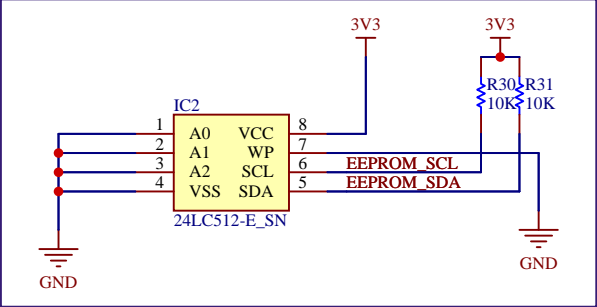
IR LEDs



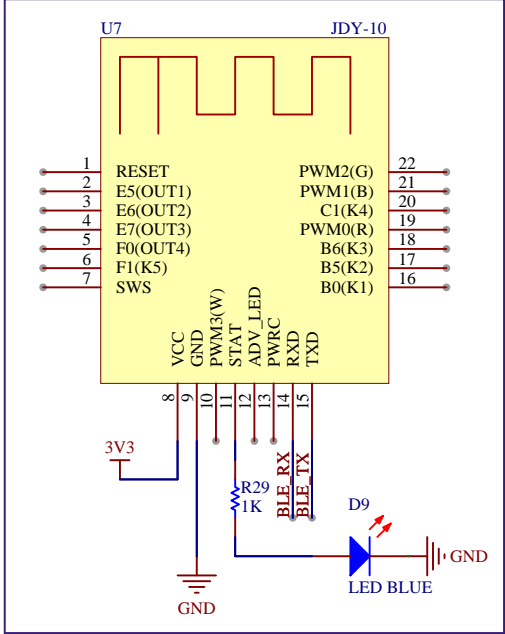
BUZZER



EEPROM



BLE



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