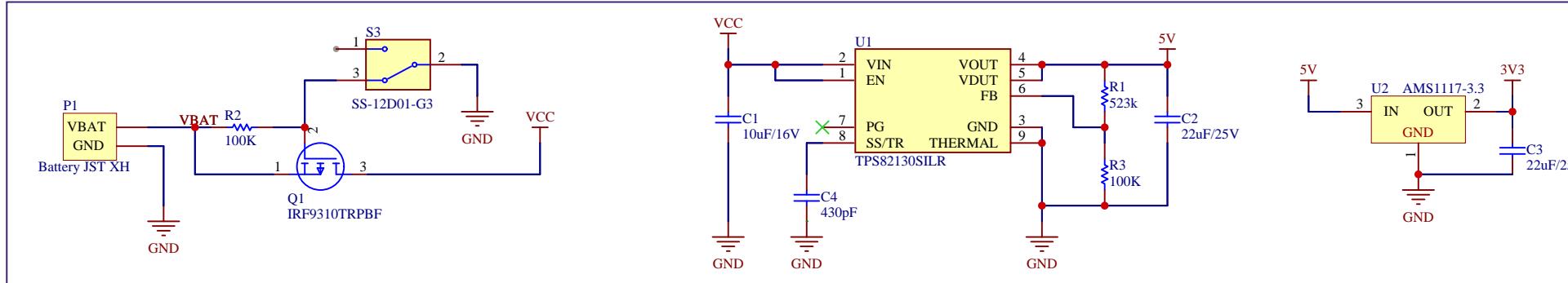
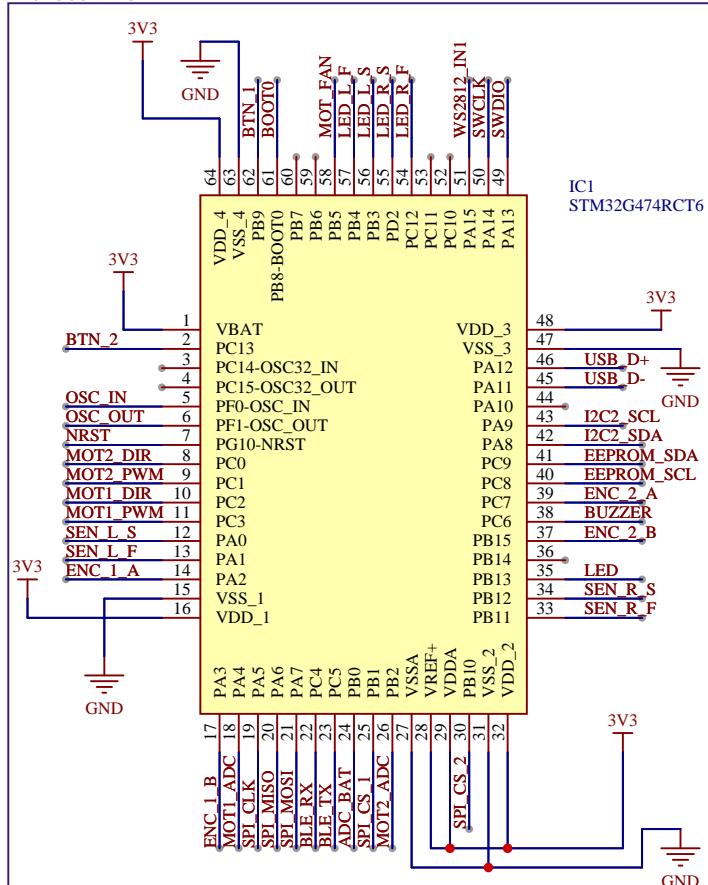


Title		
Size	Number	Revision
A4		
Date: File:	Sheet Of File:	Drawn By:

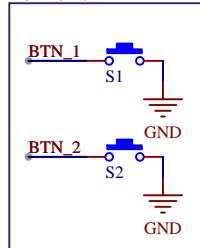
POWER SUPPLY



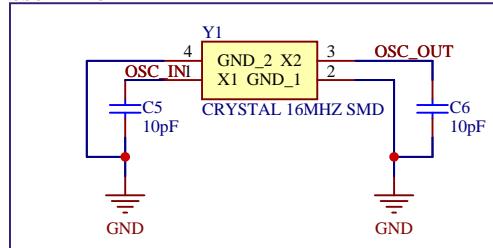
MICROCONTROLLER



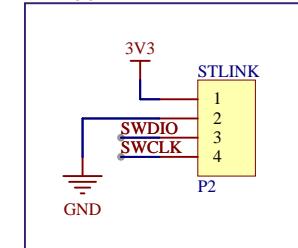
BUTTONS



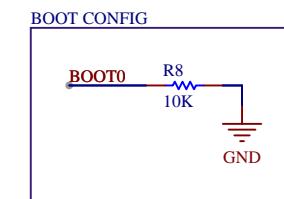
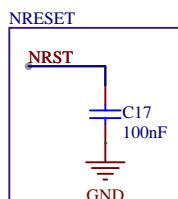
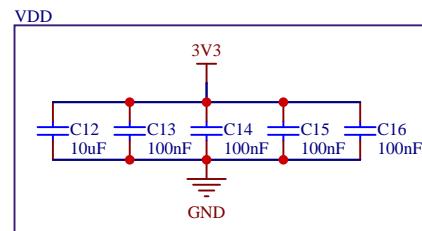
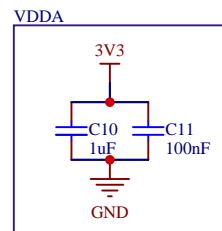
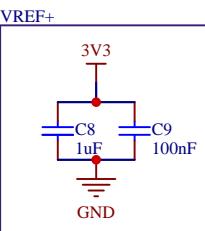
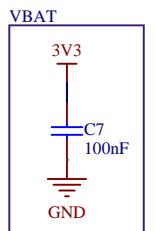
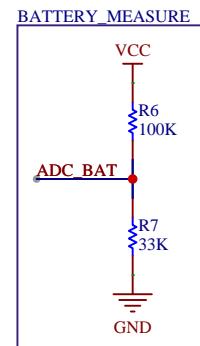
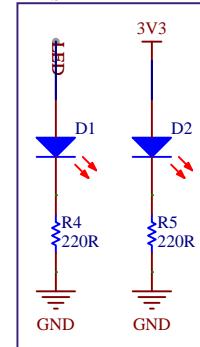
OSCILLATOR



DEBUGGER



LEDS



Title		
Size	Number	Revision
A4		
Date: File:		Sheet Of Drawn By:

I_trip = 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

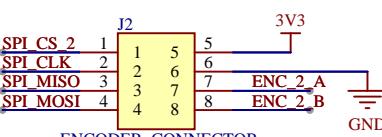
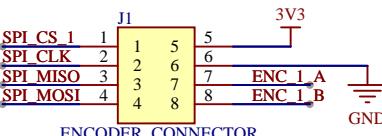
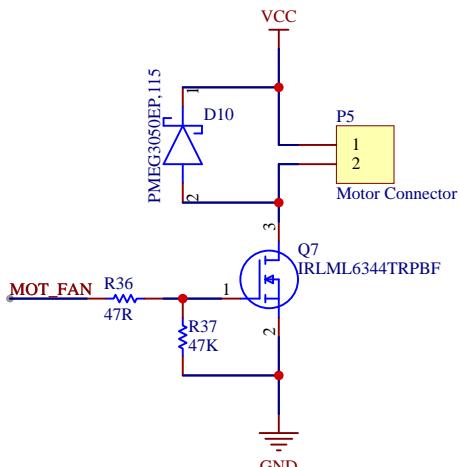
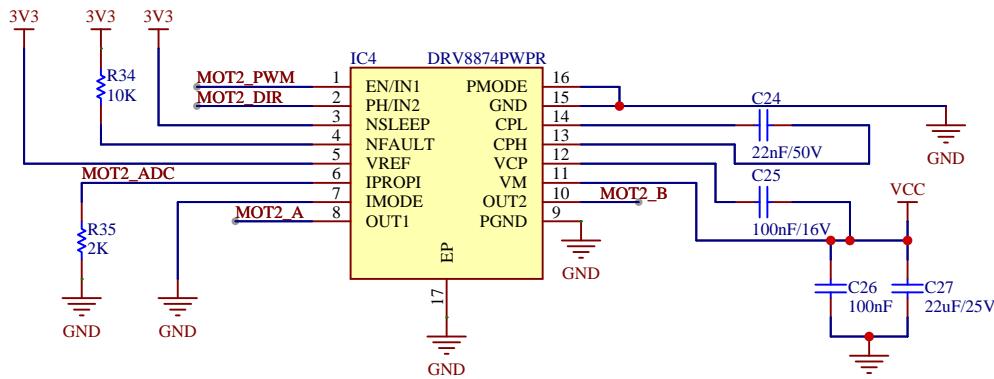
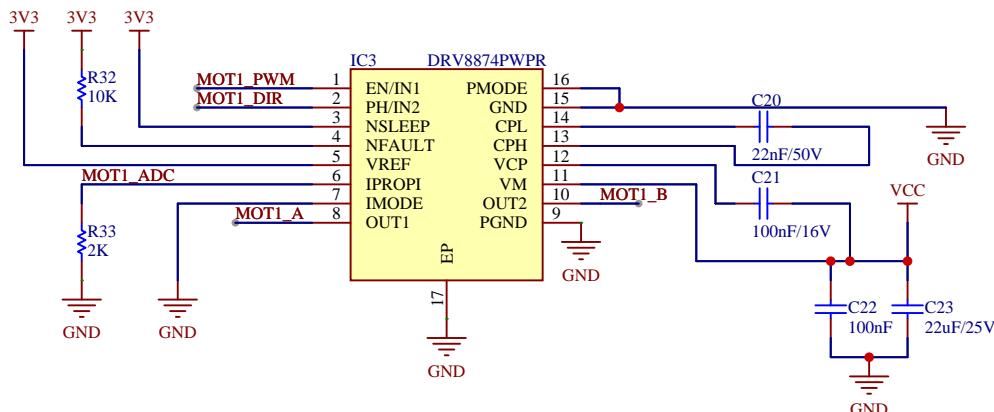
Precisão do ADC:

3.3/4096 -> 0.000805664mV

Precisão da corrente:

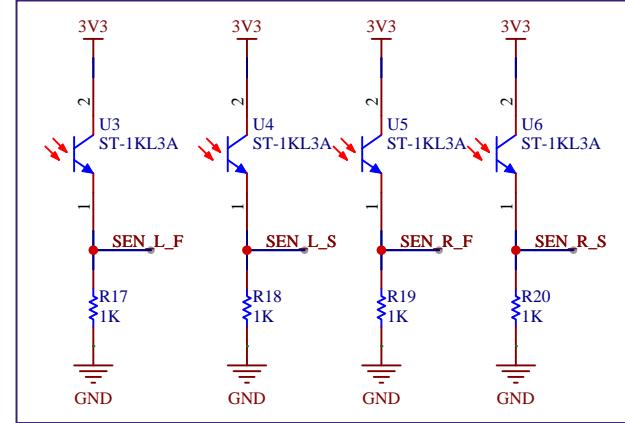
$$V = R * I = R * A_{\text{ipropi}} * i$$

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

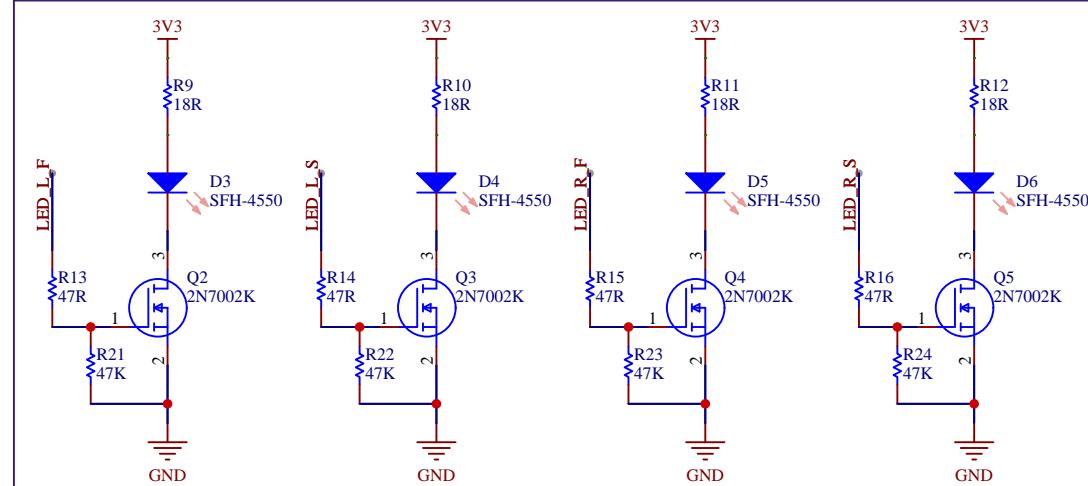


Title		
Size A4	Number	Revision
Date:	Sheet	Of
File:	Drawn By:	

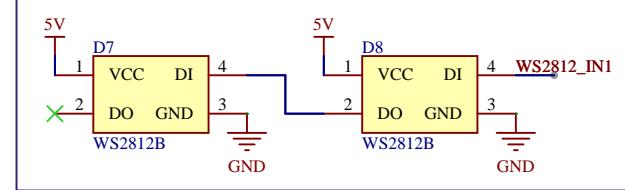
PHOTOTRANSISTOR



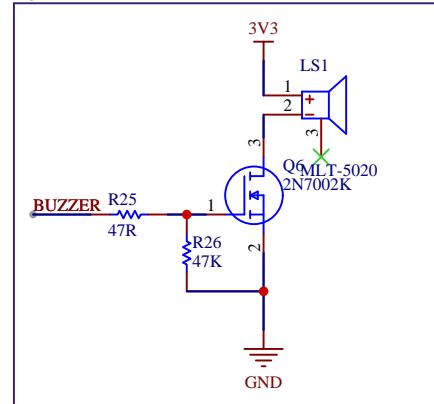
IR LEDs



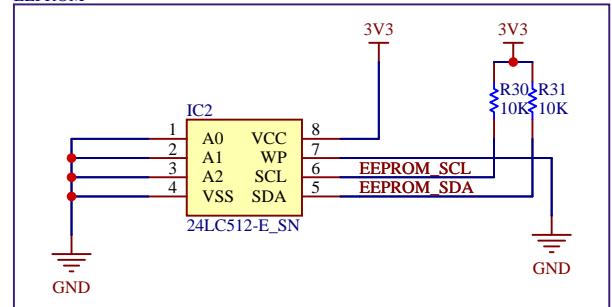
RGB



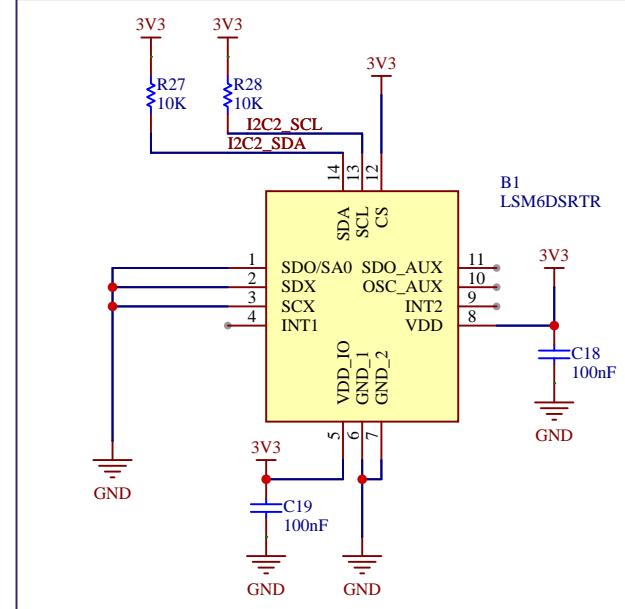
BUZZER



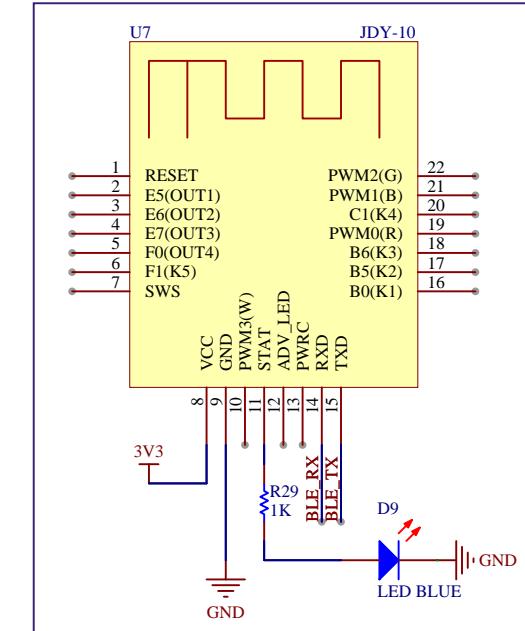
EEPROM



IMU



BLE



Title

Size
A4

Number

Revision

Date:
File:

Sheet
Of
Drawn By:
