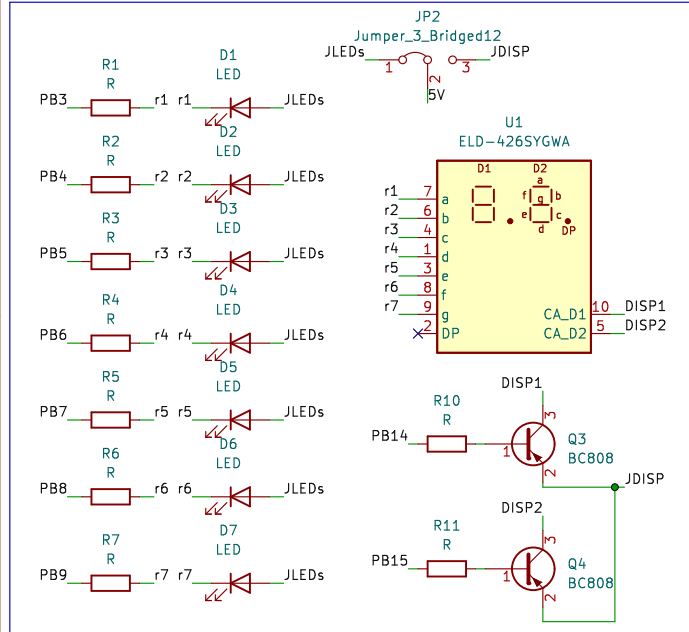
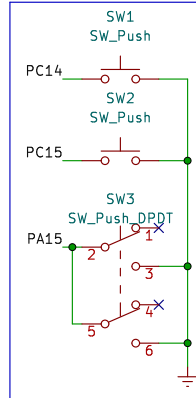


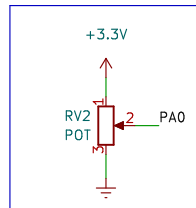
## LEDS E DISPLAYS 7 SEGMENTOS



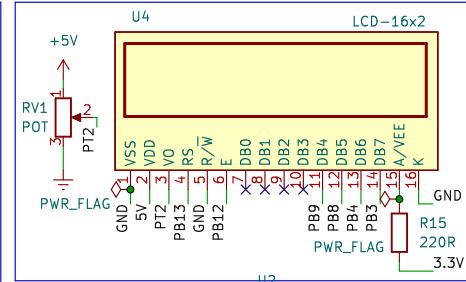
## BOTÕES



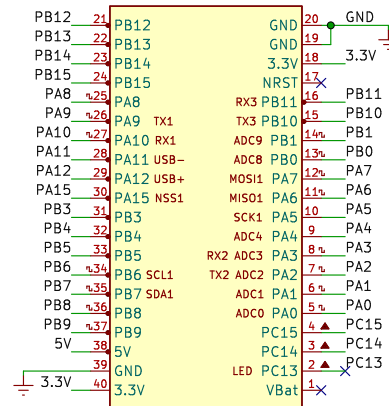
## POTENCIOMETRO



## DISPLAY - LCD

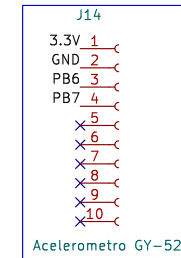


## Bluepill

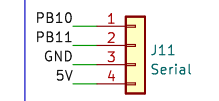


- ▲ sink 3mA source 0mA
- 5V Tolerância
- \* PWM pin

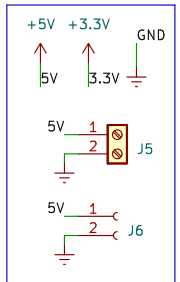
## Barramento I2C (CNT\_11) ACCELEROMETRO GY-521



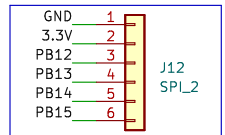
## SERIAL3 (CNT\_12)



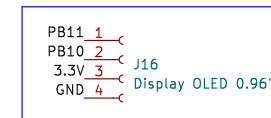
## PONTO TENSÃO 5V / 3.3V



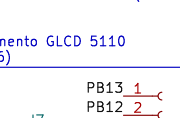
## SPI 2(CNT\_10)



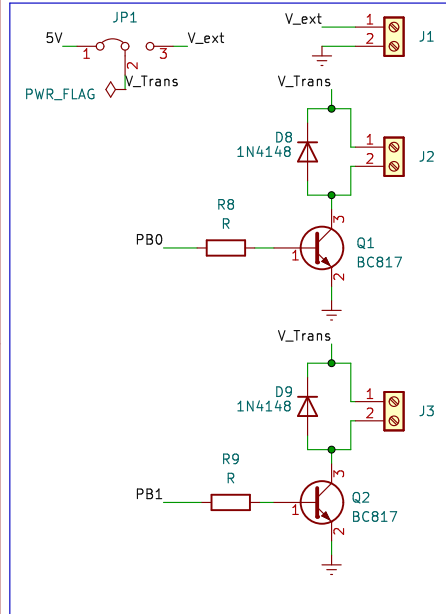
## Barramento I2C (CNT\_9) Display OLED 0.96"



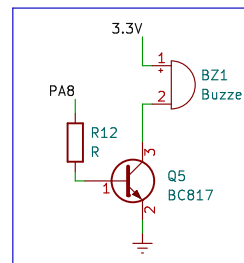
## Barramento I2C (CNT\_7)



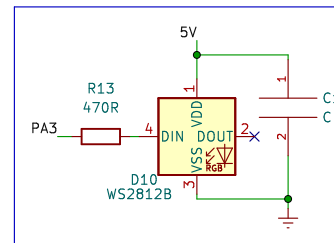
## SAÍDA A TRANSISTOR



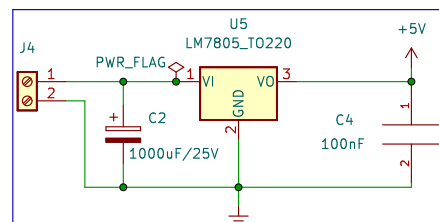
## BUZZER



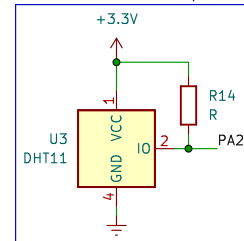
## LED RGB ENDEREÇÁVEL



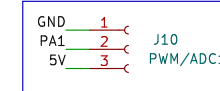
## REGULADOR DE TENSÃO 5V



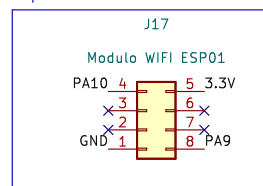
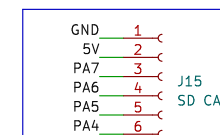
## SENSOR - TEMPERATURA/UMIDADE



## PWM/ADC1 (CNT\_1)

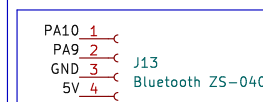


## Barramento SPI 1 (CNT\_2) SD CARD

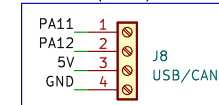


## Barramento Serial 1 (CNT\_3) ESP 01

## Barramento Serial (CNT\_4) Modulo ZS-040



## USB/CAN (CNT\_5)



Placa Shield Bluepill  
Prof.º Rogério D. Dantas  
Israel R. Dutra  
IFSP - Guarulhos

Sheet:  
File: Shield STM32 Bluepill.kicad\_sch

**Title: Placa Shield Bluepill-STM32**

Size: A4 Date: 2023-11-29

KiCad E.D.A. kicad 7.0.1



Rev: 0.0  
Id: 1/1