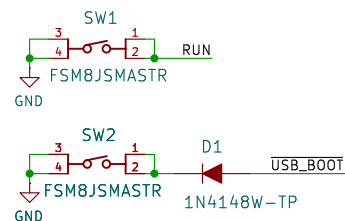


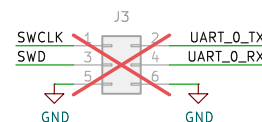


## MCU reset/prog buttons

Run – resets MCU  
USB\_BOOT – hold this and toggle Run to enumerate as USB device for UF2 firmware upload

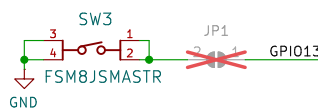


## Debug header



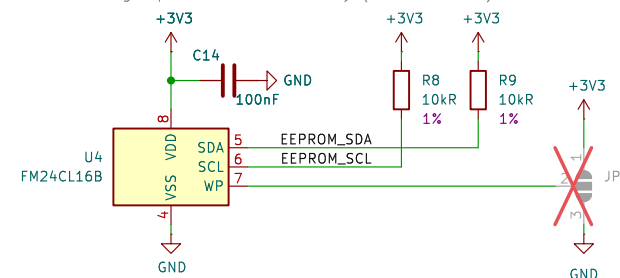
## Misc button

For dev work

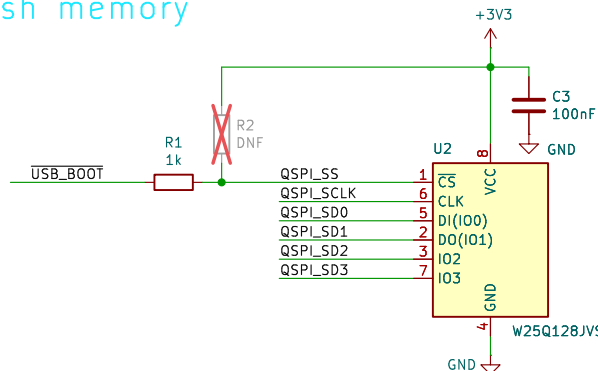


## EEPROM

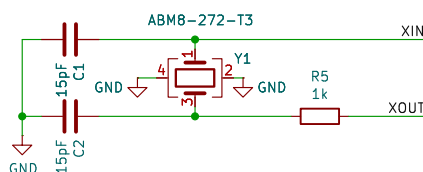
WP is active high, pulled down internally (write enabled)



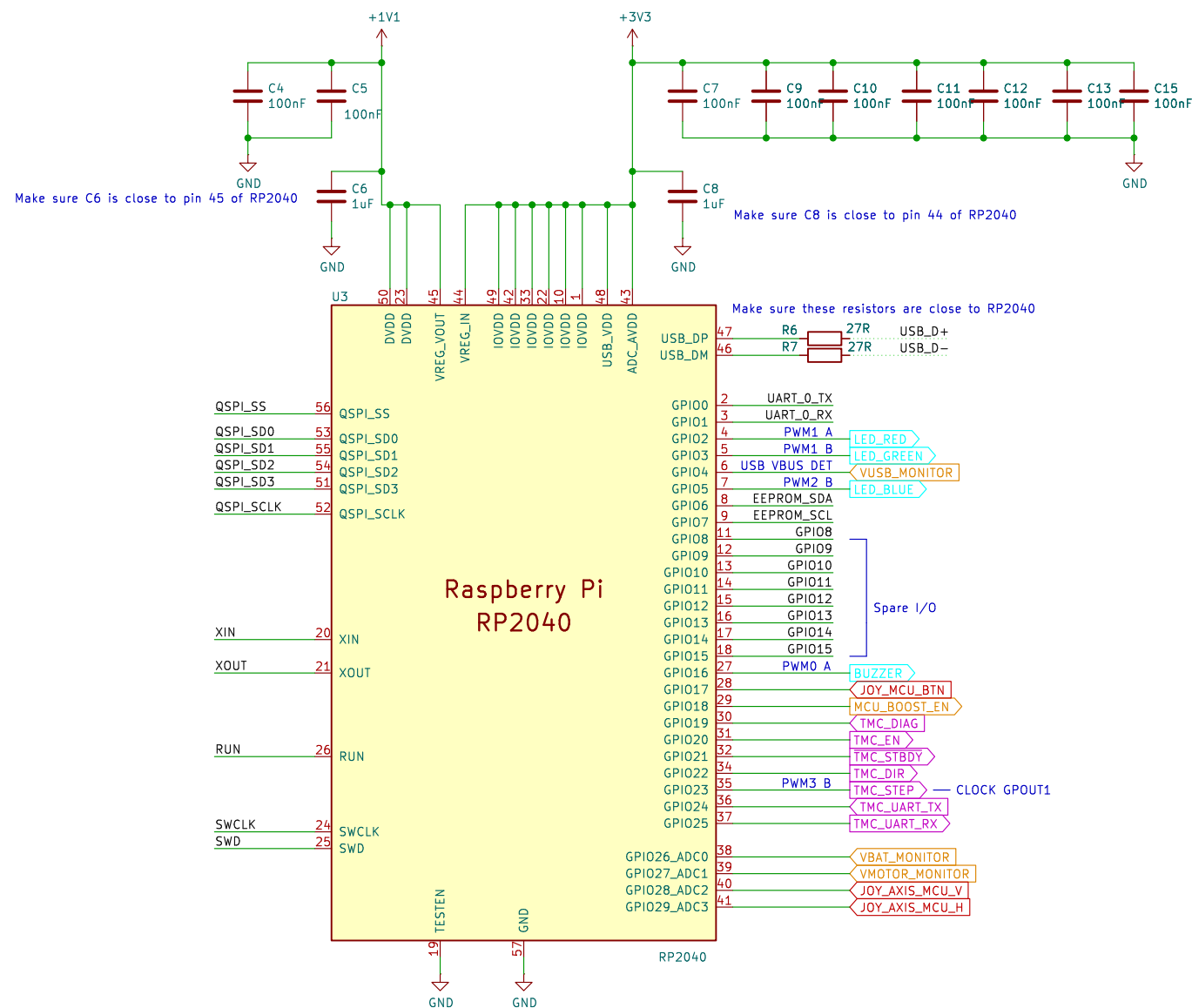
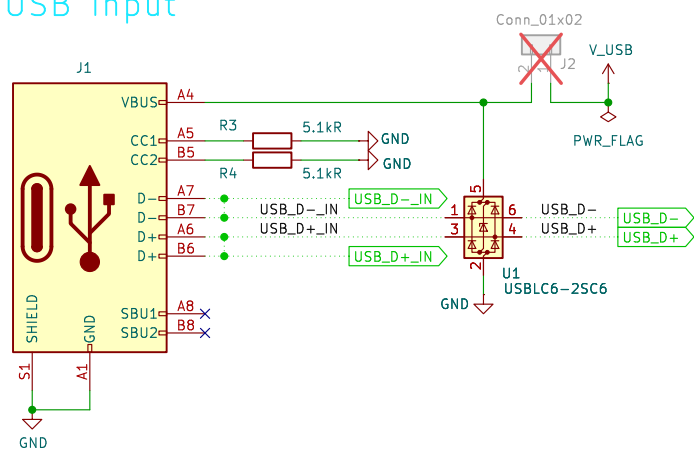
## Flash memory



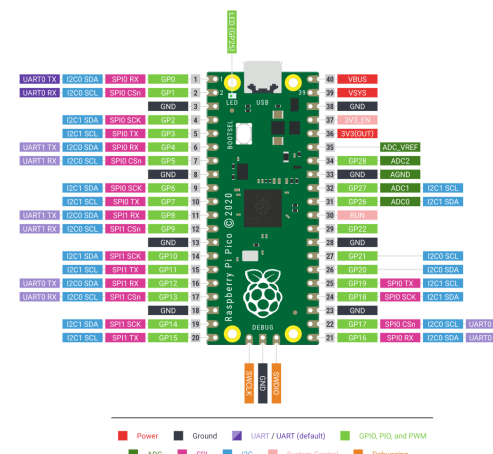
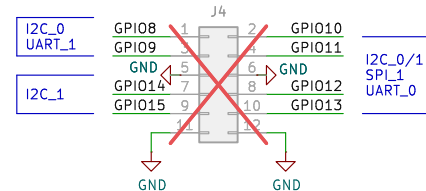
## Crystal



## USB input



## Spare I/O



SJFOM

Sheet: /MCU/

File: microcontroller.kicad\_sch

Title: Microcontroller

Size: A3

Date: 2024-04-28

Rev: v0.1

KiCad E.D.A. 8.0.2

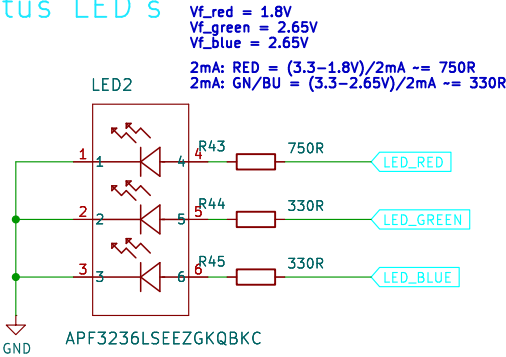
Id: 2/6



Includes decision logic for VBus vs VBat power

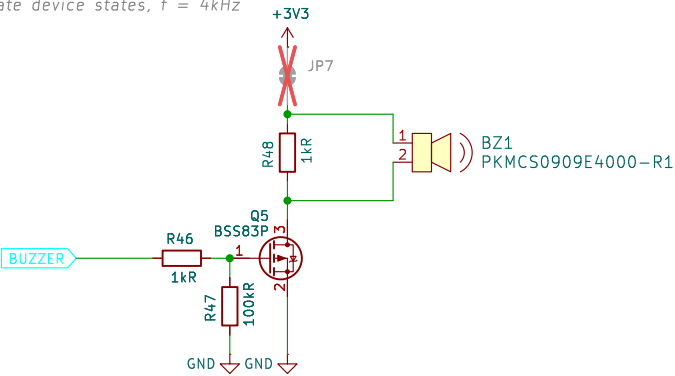


Status LED's



Buzzer

To indicate device states, f = 4kHz



SJFOM

Sheet: /Indicators/  
File: indicators.kicad\_sch

Title: User Input

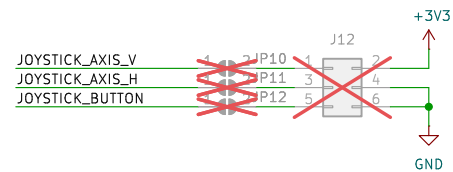
Size: A4 Date: 2024-04-28

KiCad E.D.A. 8.0.2

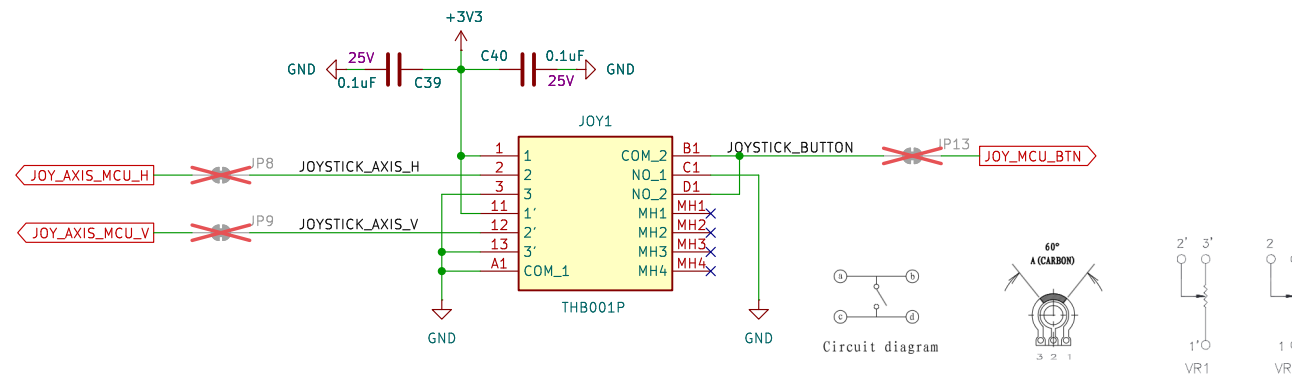
Rev: v0.1

Id: 5/6

For external joysticks



## Joystick



Rev: v0.1  
Id: 6/6