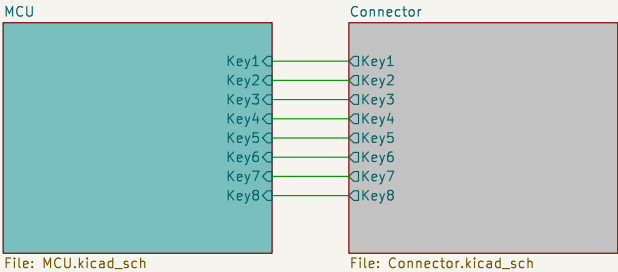
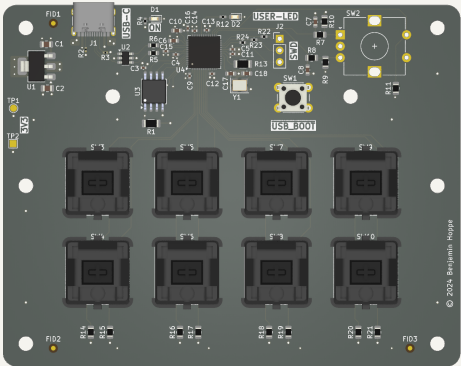


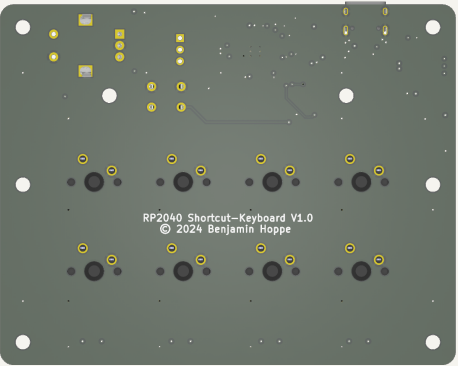
# SHORTCUT KEYBOARD



## TOP VIEW



## BOT VIEW



### Fiducial Markers

- Front
- Back
- FID1  
Fiducial
- FID2  
Fiducial
- FID3  
Fiducial

### Mounting Holes

- H1  
MountingHole
- H2  
MountingHole
- H3  
MountingHole
- H4  
MountingHole
- H5  
MountingHole
- H6  
MountingHole
- H7  
MountingHole
- H8  
MountingHole

Main Overview  
Showing main components, PCB views, and mechanical features  
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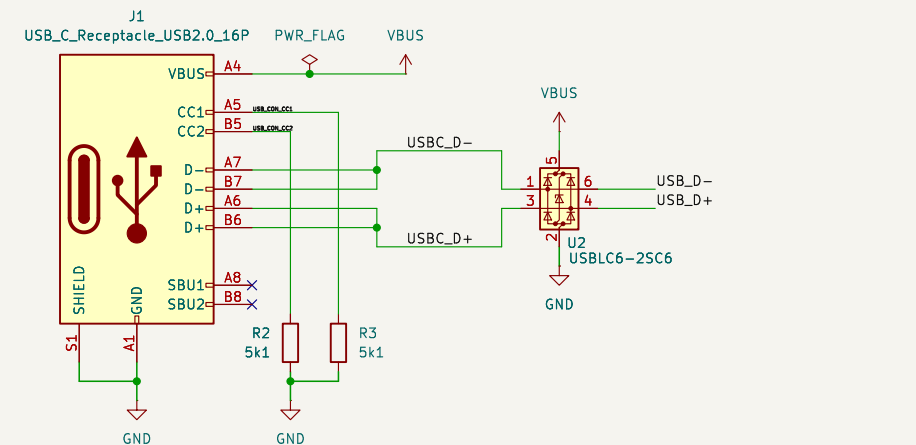
Sheet: /  
File: shortcut\_keyboard.kicad\_sch

Title: Shortcut Keyboard

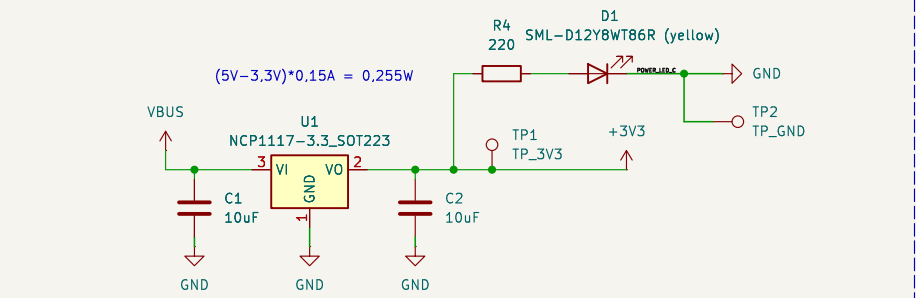
Size: A4	Date: 2025-02-02	Rev: V1
KiCad E.D.A. 8.0.7		Id: 1/4

## MCU

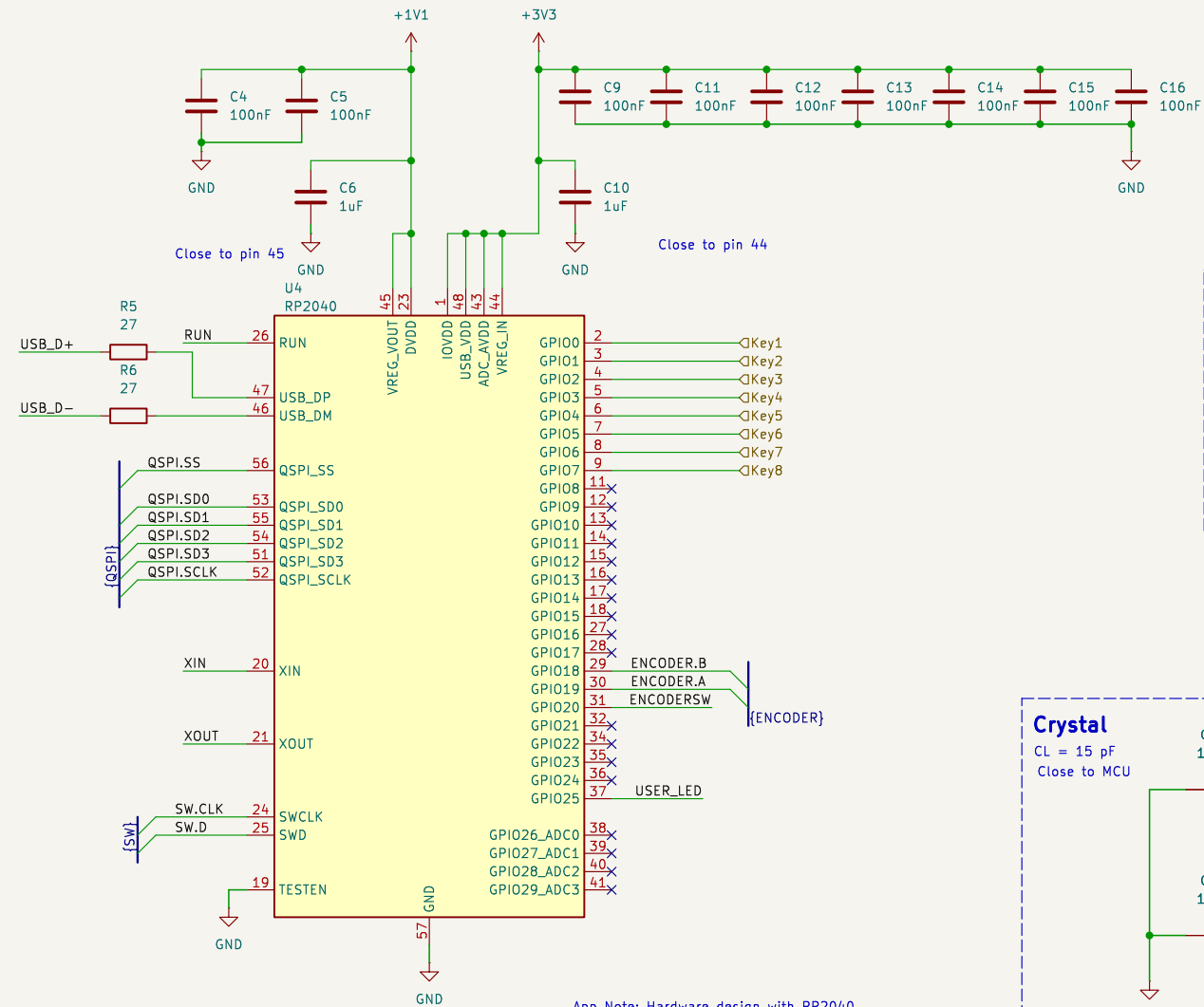
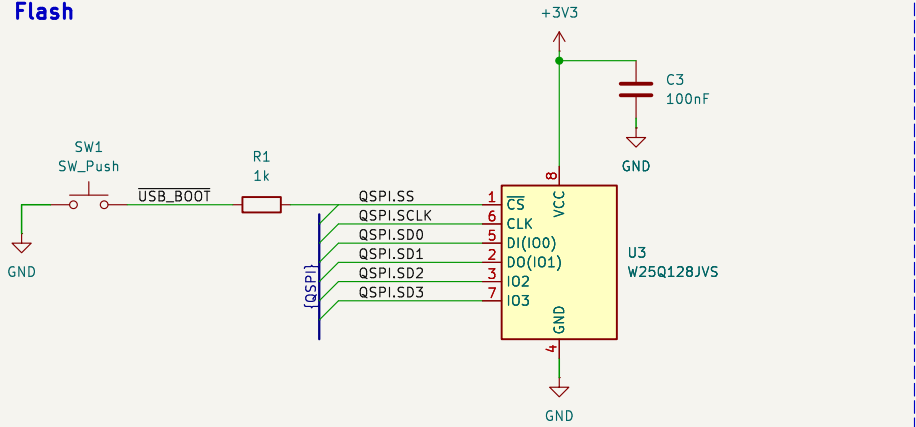
## USB



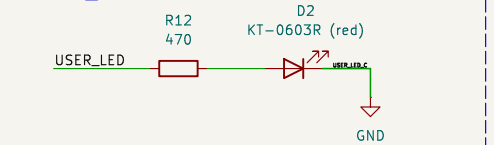
## LDO



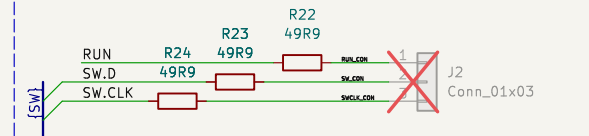
## Flash



USER\_LED

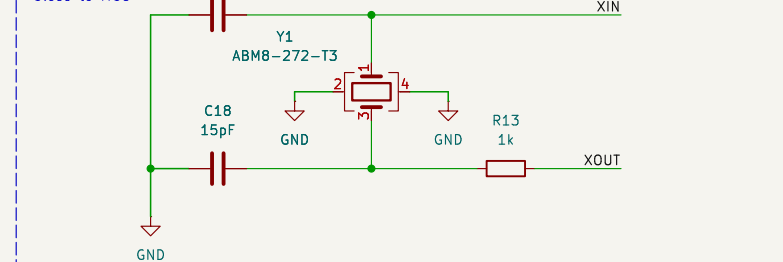


## Debug

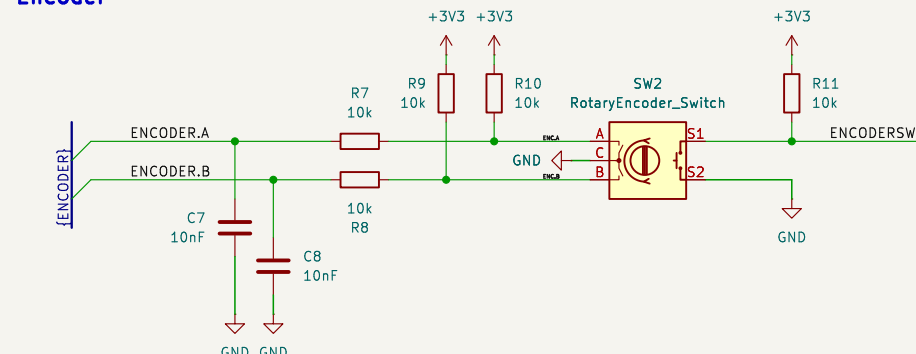


## Crystal

CL = 15 pF  
Close to MCU



## Encoder



RP2040 microcontroller implementation with USB-C, flash, power, and debug interfaces

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Sheet: /MCU/  
File: MCU.kicad\_sch

**Title:** RP2040

Size: A3	Date: 2025-02-02
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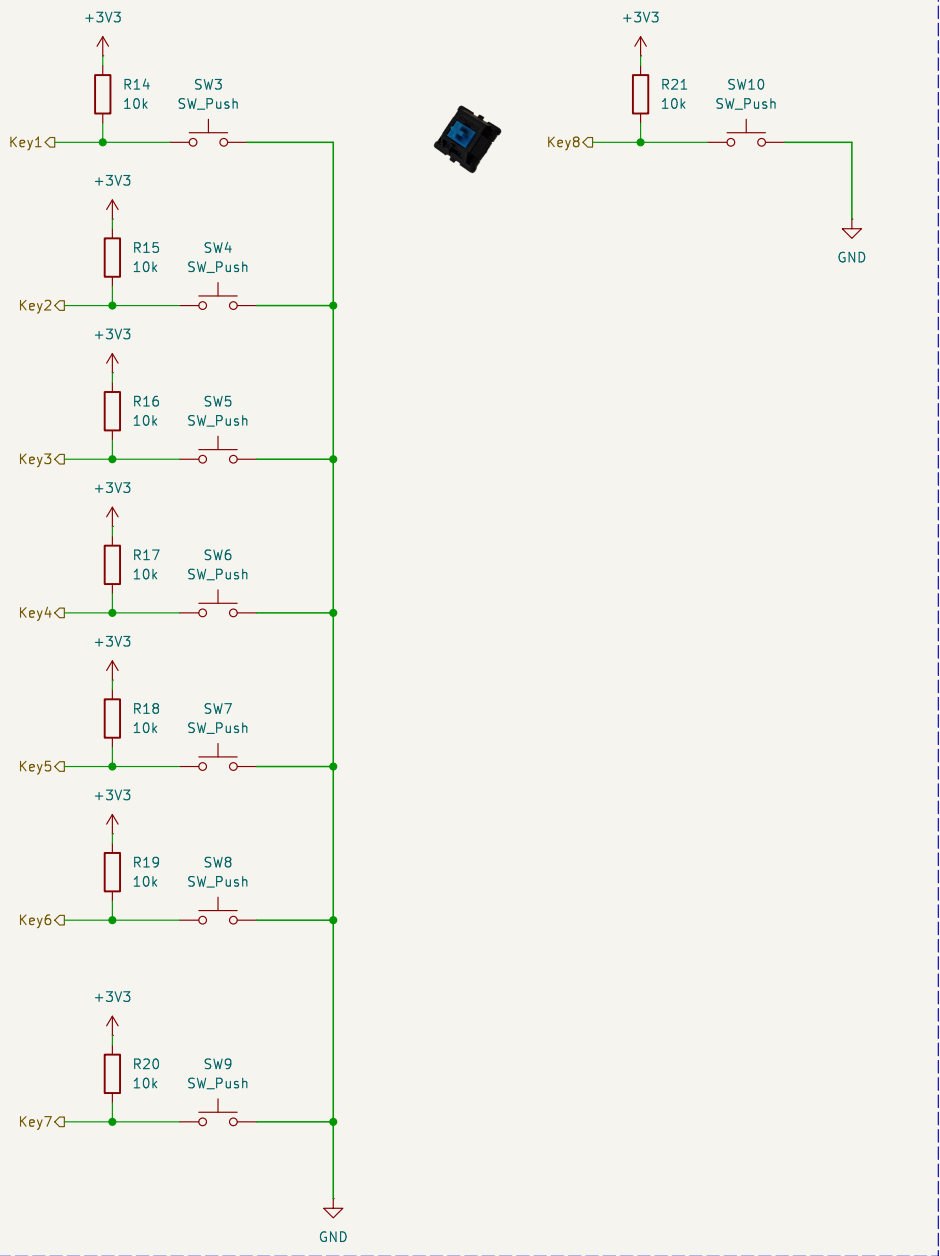
KiCad E.D.A. 8.0.7

Rev: V1

Id: 2/4

# Connector

## Keys



Key switch matrix with pull-up resistors and connection details

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Sheet: /Connector/

File: Connector.kicad\_sch

**Title: RP2040**

Size: A4

Date: 2025-02-02

Rev: V1

KiCad E.D.A. 8.0.7

Id: 3/4

1	2	3	4	5
<div> <div> <div>2024-07-06</div> <div>V1.00.00</div> <div> <ul style="list-style-type: none"> <li>Initial release</li> <li>tested and working</li> </ul> <div> <div>TODO:</div> <ul style="list-style-type: none"> <li>update Symbols to KiCad 8</li> </ul> </div> </div> </div> <div> <div>2025-02-02</div> <div>V1.00.01</div> <div> <ul style="list-style-type: none"> <li>Updated all component symbols to comply with KiCad 8.0 library</li> <li>Enhanced schematic style for better readability and maintainability</li> </ul> </div> </div> </div>				
1	2	3	4	5
			<div> <div>Project revision history and change tracking documentation</div> <div>© 2024 Benjamin Hoppe</div> <div>Sheet: /Revision History/</div> <div>File: Revision_History.kicad_sch</div> <div> <div>Title: Revision History</div> <div> <div>Size: A4</div> <div>Date: 2025-02-02</div> <div>Rev: V1</div> </div> <div> <div>KiCad E.D.A. 8.0.7</div> <div>Id: 4/4</div> </div> </div> </div>	
1	2	3	4	5

**V1.00.00**

- V1.00.01**

- Id: 4/4