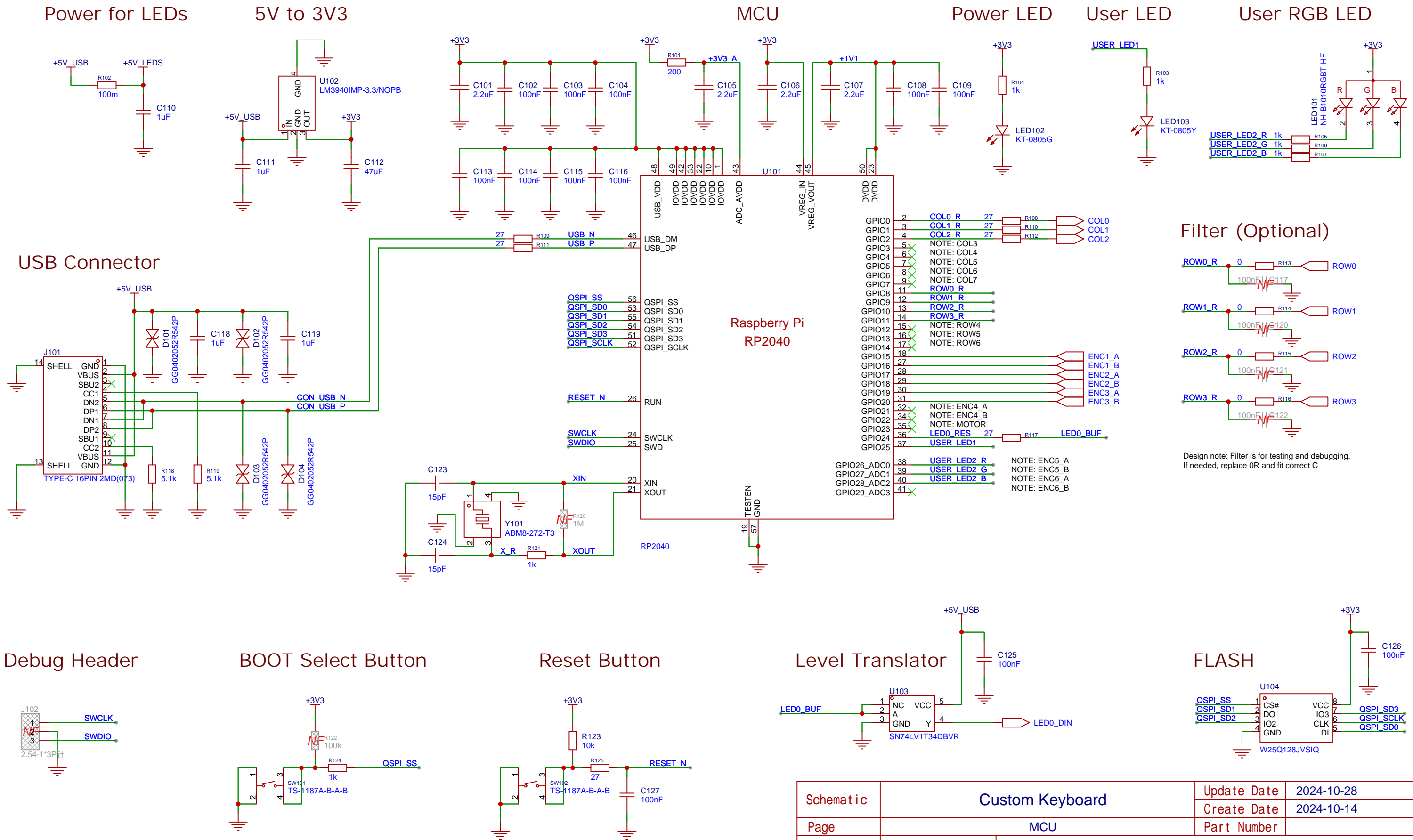



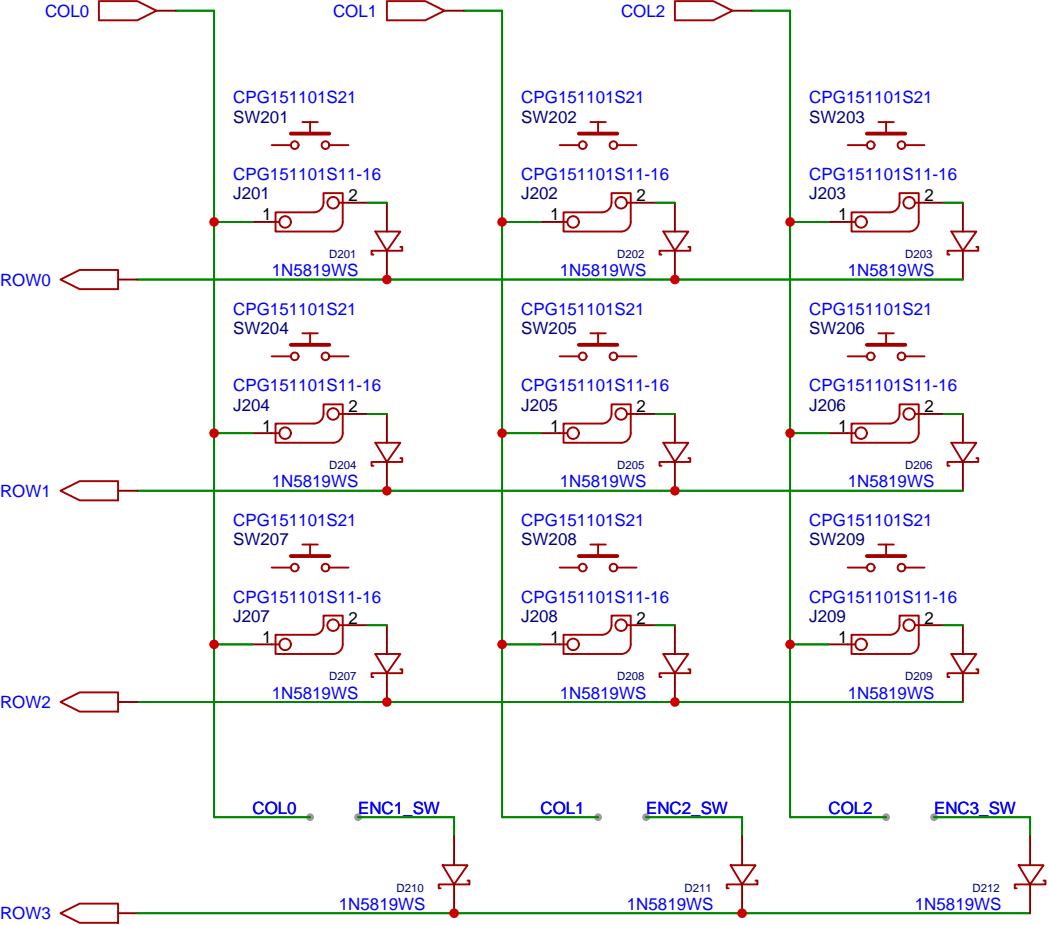
Custom Keyboard (Page 1/2)



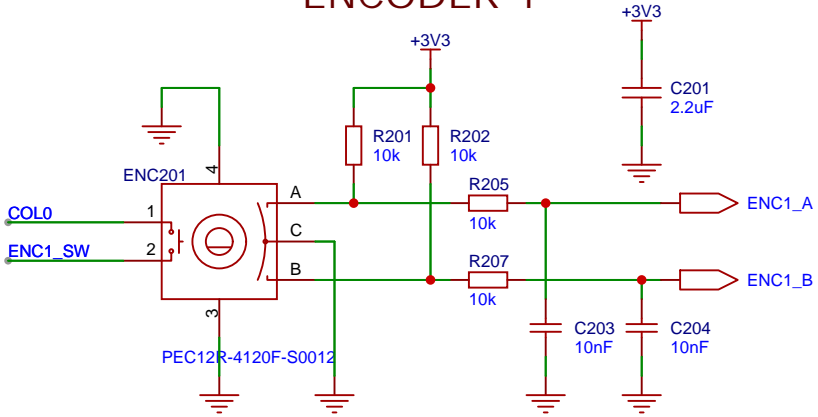
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				Create Date	2024-10-14
Page	MCU			Part Number	
Drawn	Robert Feranec	Custom Keyboard			
Reviewed					
		VER	SIZE	PAGE	1 OF 2
		V1.0	A3	(C) FEDEVEL 2025	

Custom Keyboard (Page 2/2)

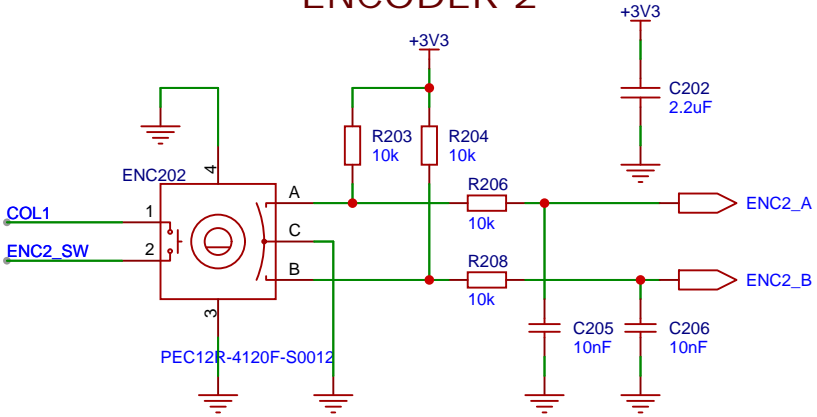
KEYS



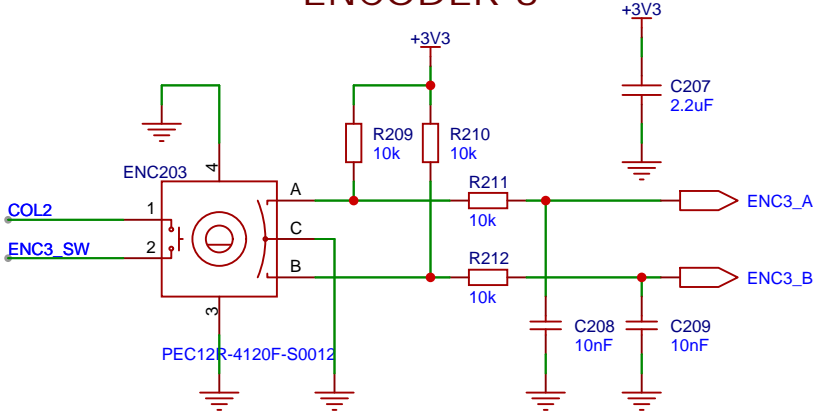
ENCODER 1



ENCODER 2



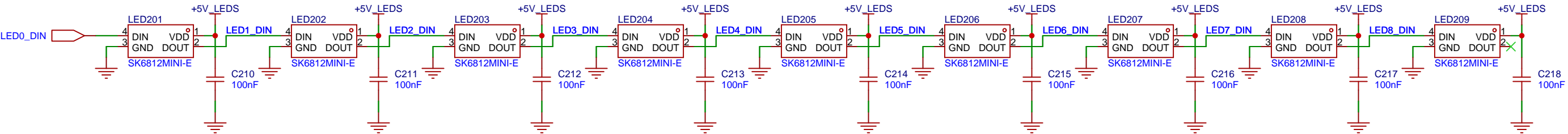
ENCODER 3



Watch the full step-by step tutorial about how to design this board on my youtube channel:
<https://www.youtube.com/robertferanec>

Download all the mechanical parts from my thingiverse:
<https://www.thingiverse.com/robertferanec/designs>

KEY LEDs



NOTES:
What else you need to build this keyboard

- Buy:
- 9x Keycaps e.g. Mouser 474-PRT-15305
 - 4x Feet, Farnell 2494552
 - 2x M3x10 self-tapping screw
 - 2x M3x12 self-tapping screw
 - 4x M2.5x8 black machine screw
 - Gorilla Super Glue Gel, Farnell 3532524

- 3D printed parts (color #1):
- 1x box bottom
 - 1x box top
 - 1x plate (CNC or 3D printed)
 - 3x encoder knob

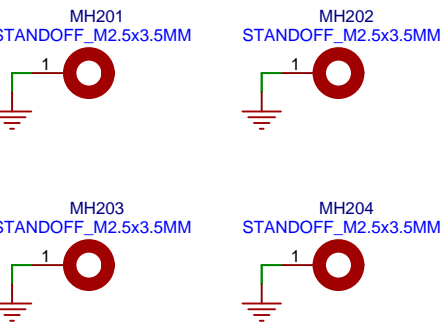
- 3D printed parts (color #2):
- 1x frame around buttons
 - 3x frame around encoders
 - 3x encoder knob top

- 3D transparent filament:
- 3x short pieces as a LED light guide

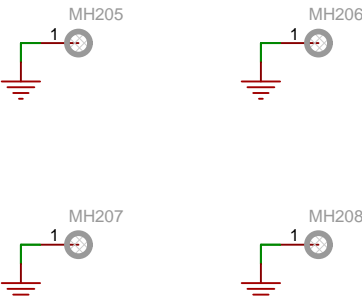
- Optional:
- Use color 3D printing with custom picture
 - Tools to remove caps and switches


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Metal plate holders



Mounting holes



Schematic	Custom Keyboard			Update Date	2024-10-30
				Create Date	2024-10-14
Page	OTHER			Part Number	
Drawn	Robert Feranec	Custom Keyboard			
Reviewed					
		VER	SIZE	PAGE	2 OF 2
		V1.0	A3	(C) FEDEVEL 2025	