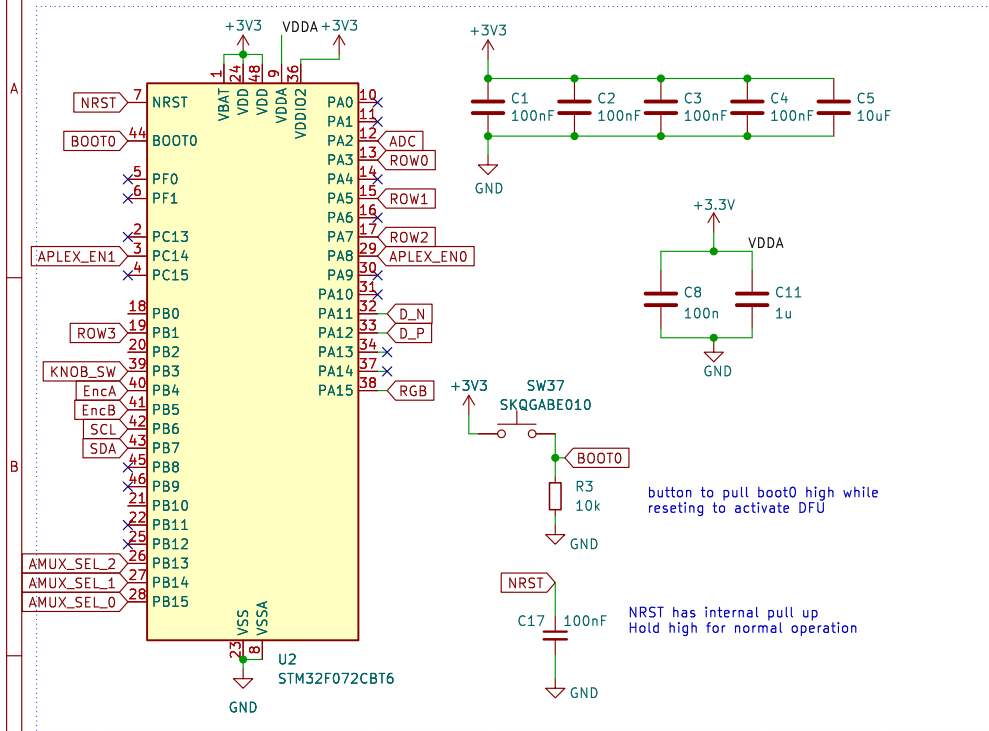
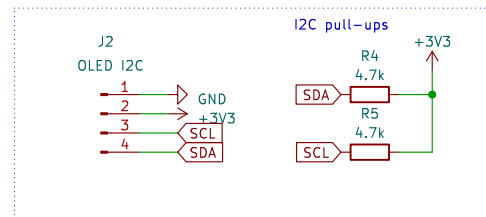


## MCU



## OLED display



## key matrix



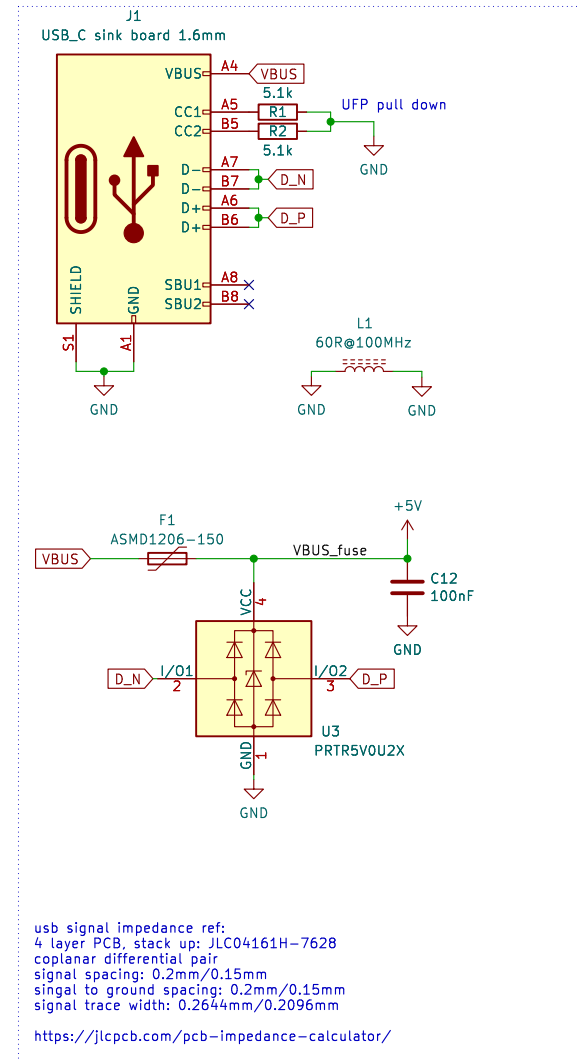
## analog



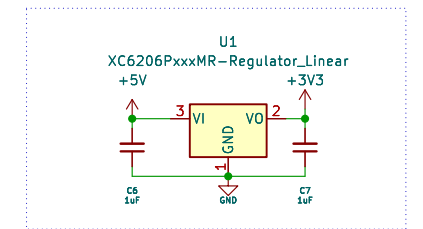
## rgb



## USB-C and ESD



## 3.3V LDO



H1	MountingHole	H9	MountingHole
H2	MountingHole	H10	MountingHole
H3	MountingHole	H11	MountingHole
H4	MountingHole	H12	MountingHole
H5	MountingHole	H13	MountingHole
H6	MountingHole	H14	MountingHole
H7	MountingHole	H15	MountingHole
H8	MountingHole	H16	MountingHole
H17	MountingHole	H18	MountingHole
H19	MountingHole	H20	MountingHole
H21	MountingHole	H22	MountingHole
H23	MountingHole	H24	MountingHole

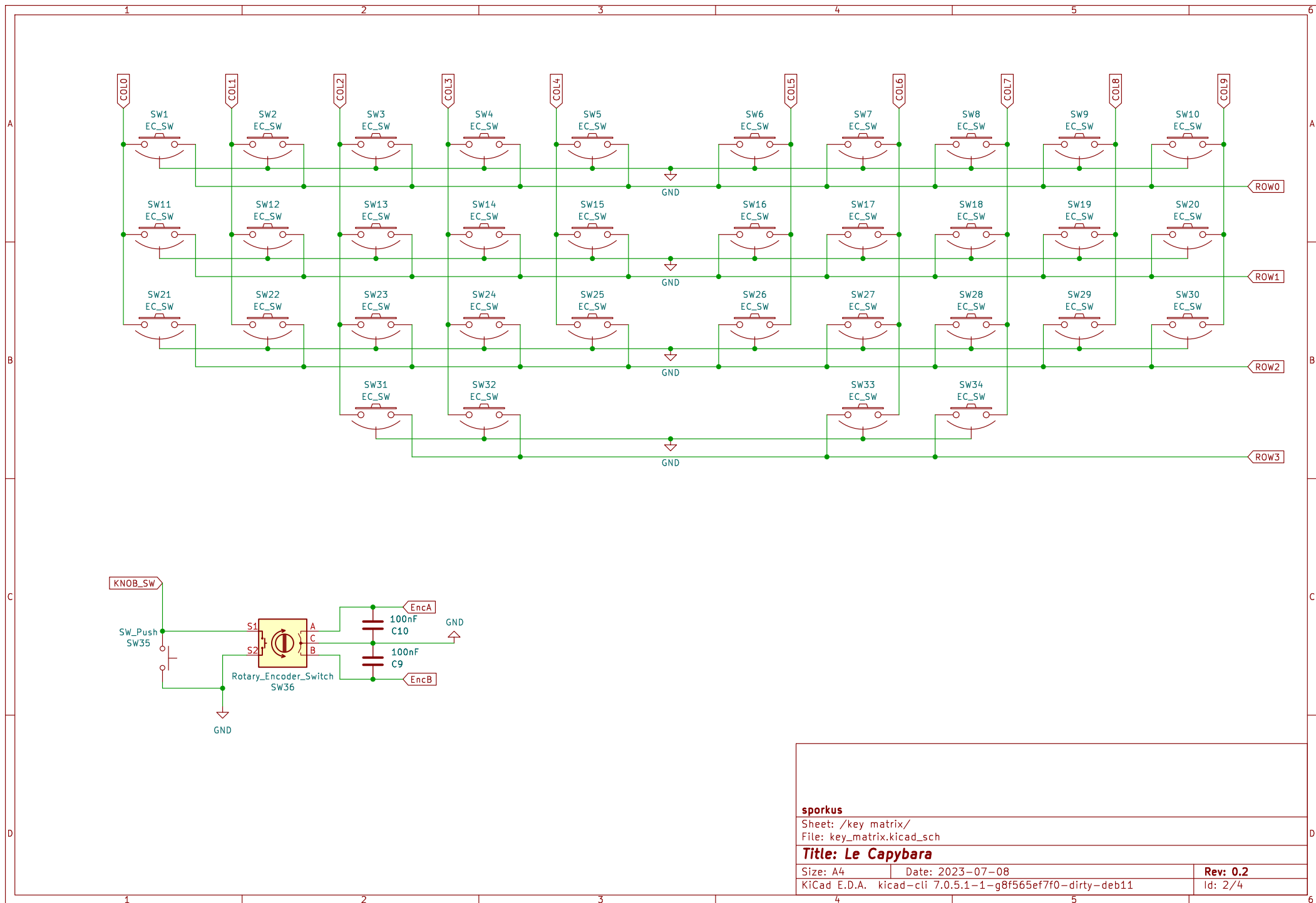
## sporkus

Sheet: /  
File: le\_capybara.kicad\_sch

## Title: Le Capybara

Size: A4 Date: 2023-07-08  
KiCad E.D.A. kicad-cli 7.0.5.1-1-g8f565ef7f0-dirty-deb11

Rev: 0.2  
Id: 1/4



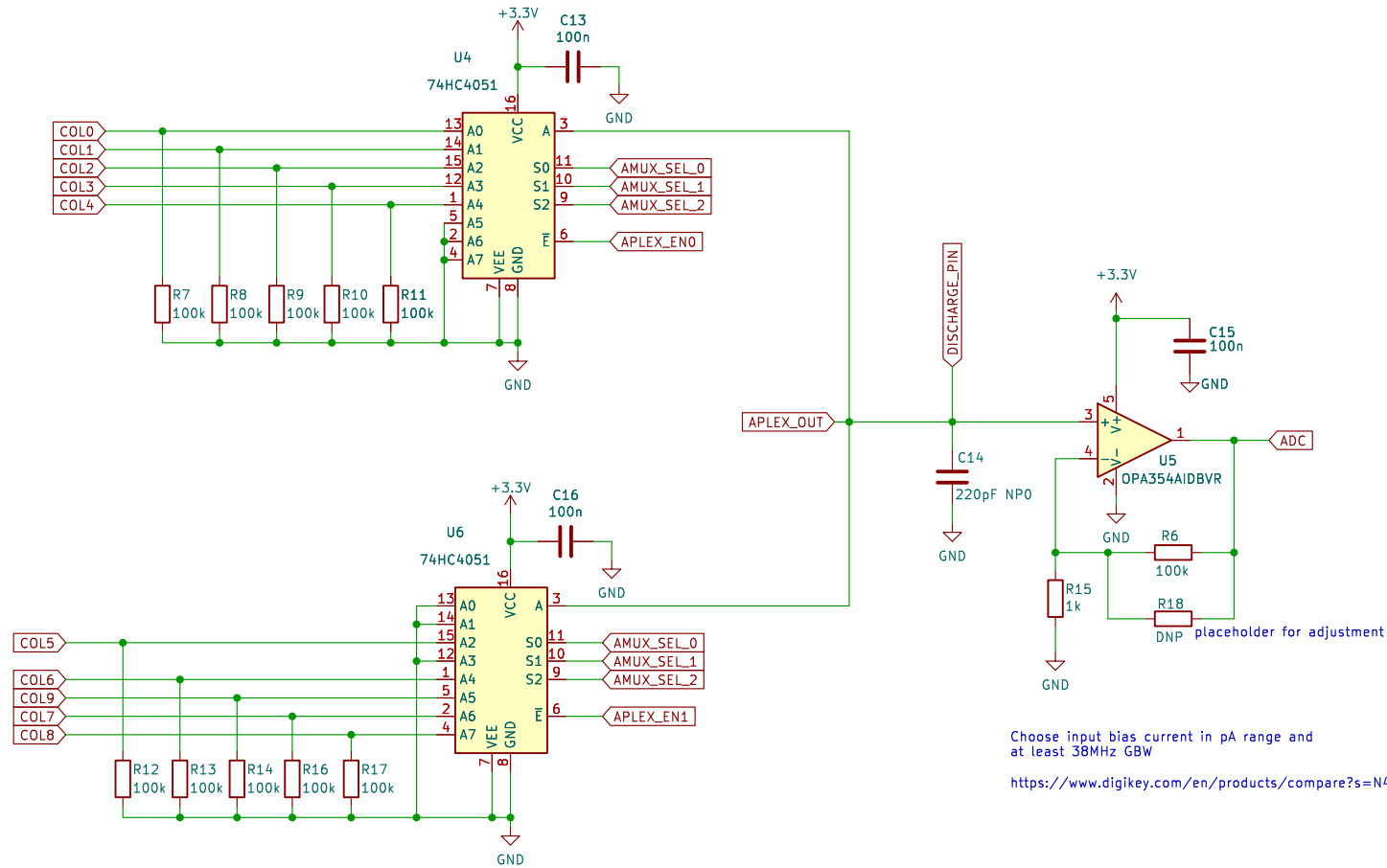
**sporkus**

Sheet: /key matrix/  
File: key\_matrix.kicad\_sch

**Title: Le Capybara**

Size: A4 Date: 2023-07-08  
KiCad E.D.A. kicad-cli 7.0.5.1-1-g8f565ef7f0-dirty-deb11

**Rev: 0.2**  
Id: 2/4



Choose input bias current in pA range and  
at least 38MHz GBW

<https://www.digikey.com/en/products/compare?s=N4lgzCBcDa4AwEYBMBWA7CANCfu2KxAXVQBvYNTi1UUAOQgNlzFrXuyYYTtUOTck>

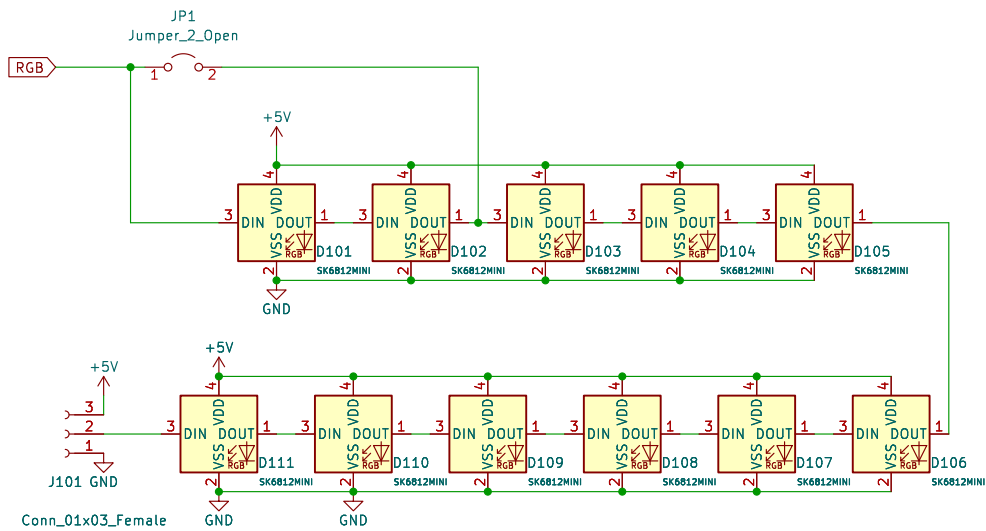
sporkus

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

Title: Le Capybara

Size: A4 Date: 2023-07-08  
KiCad E.D.A. kicad-cli 7.0.5.1-1-g8f565ef7f0-dirty-deb11

Rev: 0.2  
Id: 3/4



sporkus

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

**Title: Hotswap Chiffre**

Size: A4 Date: 2023-07-07

KiCad E.D.A. kicad-cli 7.0.5.1-1-g8f565ef7f0-dirty-deb11

**Rev: 0.2**

Id: 4/4