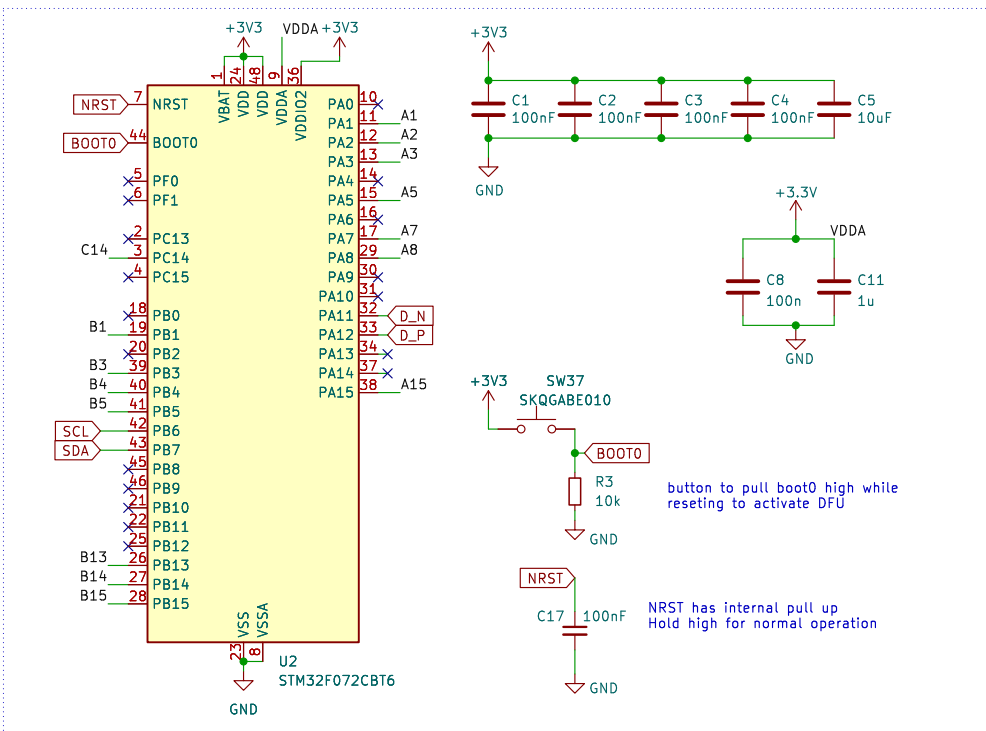
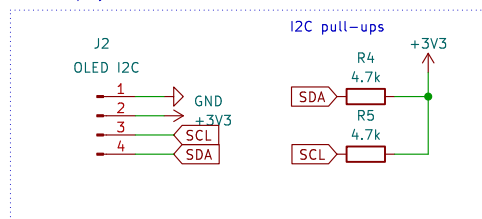


## MCU



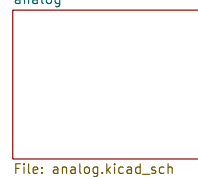
## OLED display



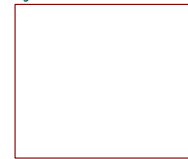
## key matrix



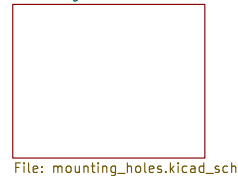
## analog



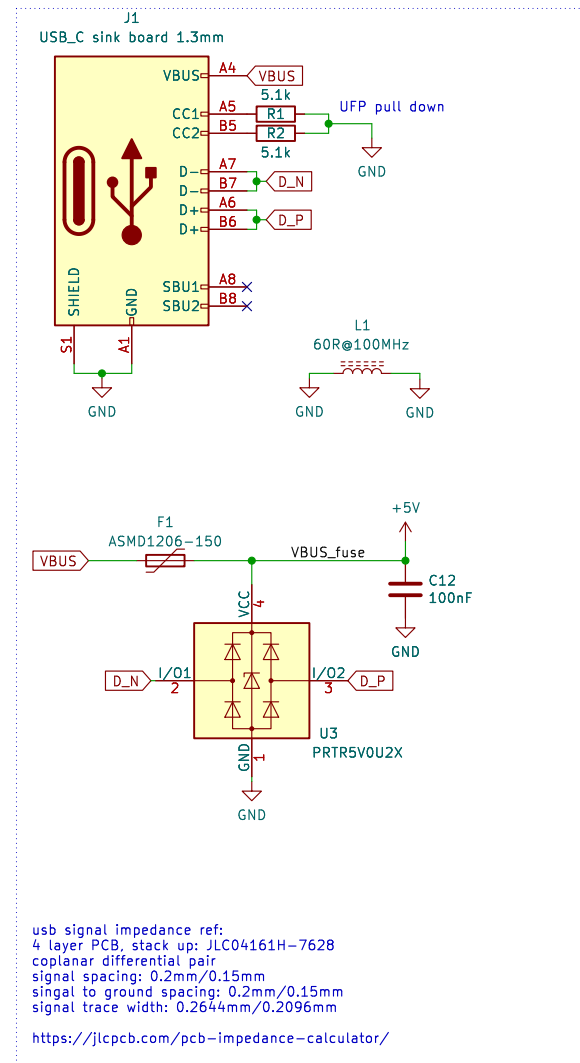
## rgb



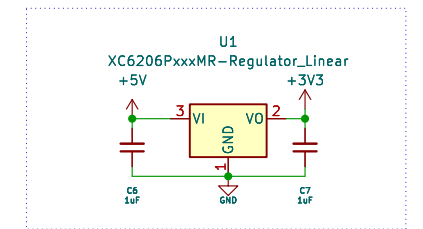
## mounting\_holes



## USB-C and ESD



## 3.3V LDO



COL0	MUX_CH0
COL1	MUX_CH1
COL2	MUX_CH2
COL3	MUX_CH3
COL4	MUX_CH4
COL5	MUX_CH10
COL6	MUX_CH12
COL7	MUX_CH14
COL8	MUX_CH15
COL9	MUX_CH13

ROW0	A3
ROW1	A5
ROW2	A7
ROW3	B1

AMUX_SEL_0	B15
AMUX_SEL_1	B14
AMUX_SEL_2	B13

APLEX_EN0	A8
APLEX_EN1	C14

ADC	A2
APLEX_OUT	A1

RGB	A15
-----	-----

KNOB_SW	B3
EncA	B4
EncB	B5

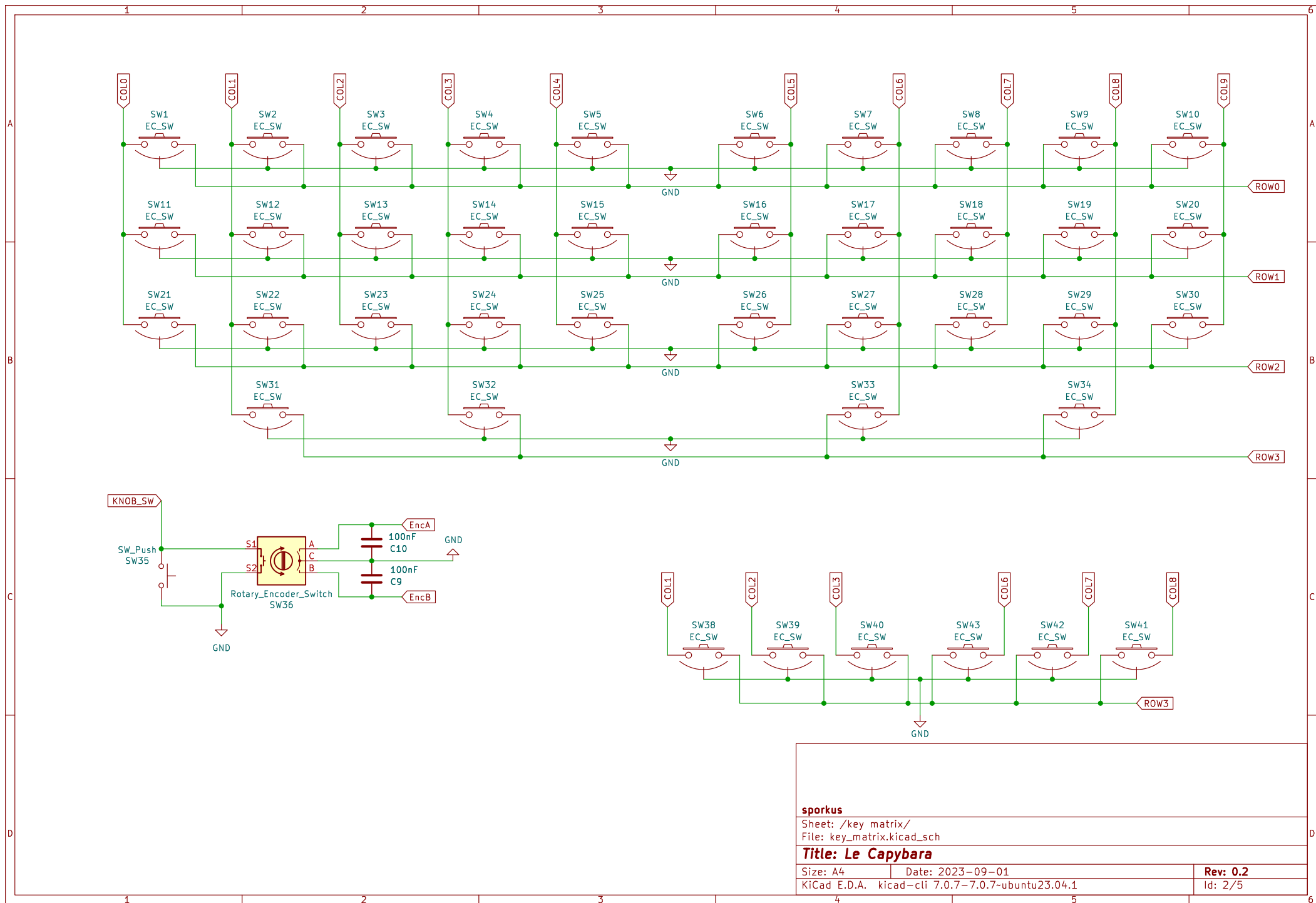
Fixes analog, RGB schematic  
**sporkus**

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

**Title: Le Capybara**

Size: A4 Date: 2023-09-01  
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

**Rev: 0.2**  
Id: 1/5



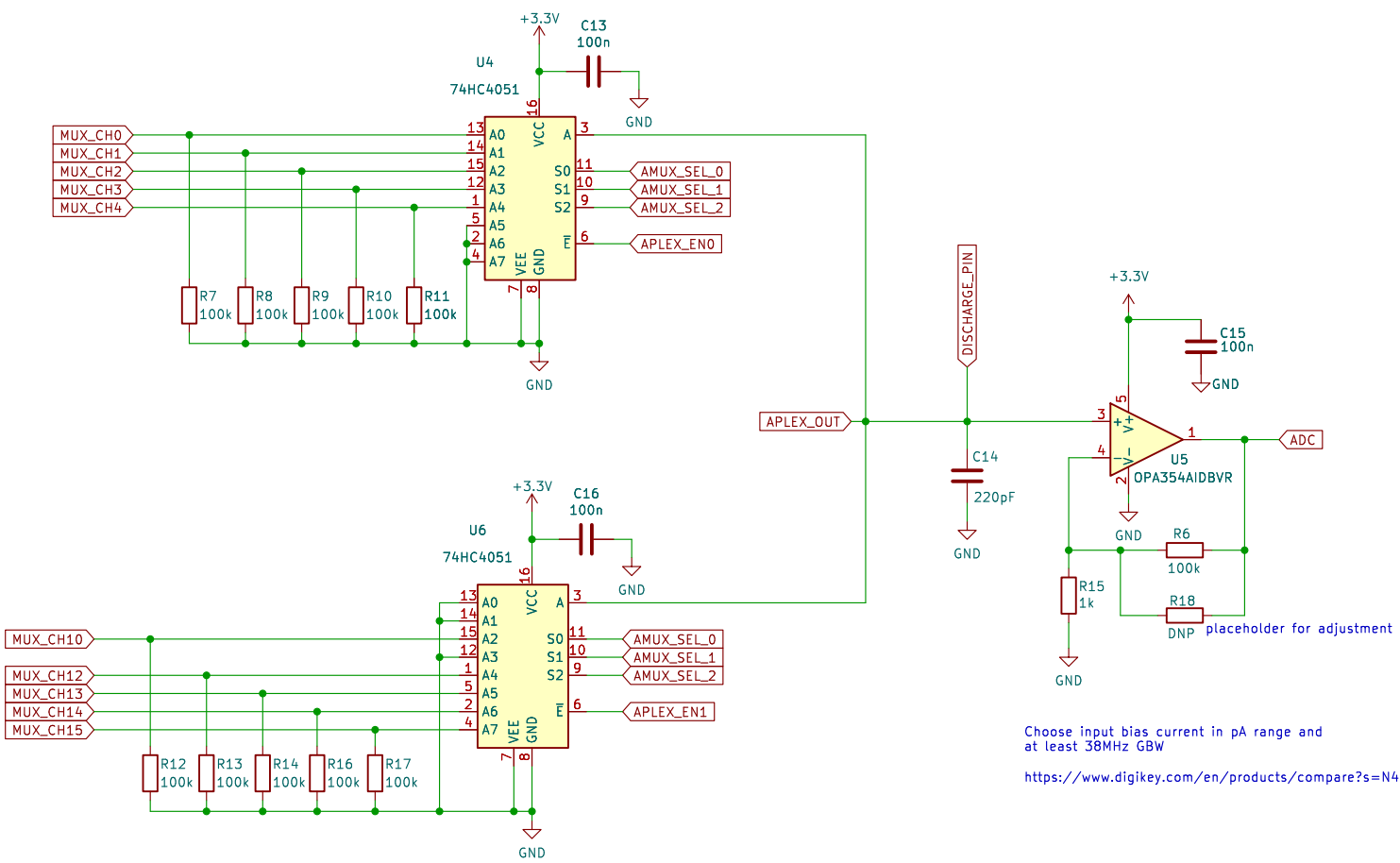
sporkus

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

**Title: Le Capybara**

Size: A4 Date: 2023-09-01  
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

**Rev: 0.2**  
Id: 2/5



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

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

sporkus

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File: analog.kicad\_sch

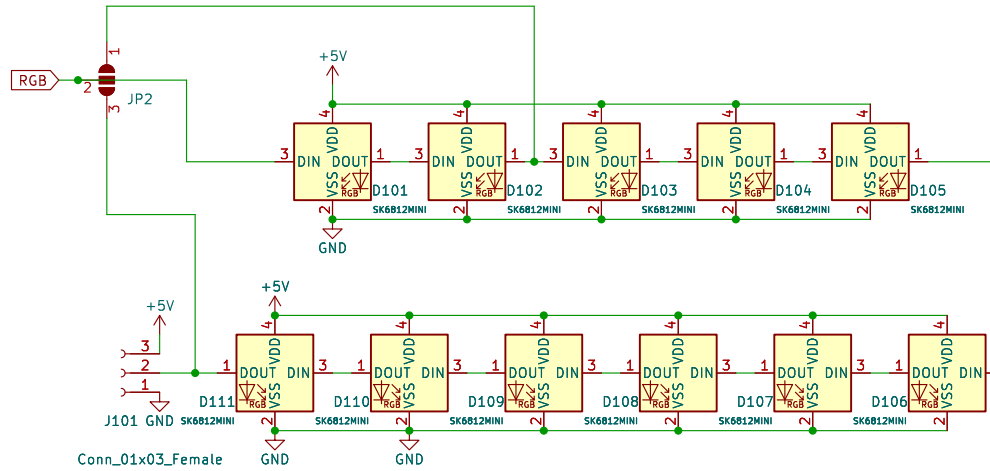
Title: Le Capybara

Size: A4 Date: 2023-09-01

KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

Rev: 0.2

Id: 3/5



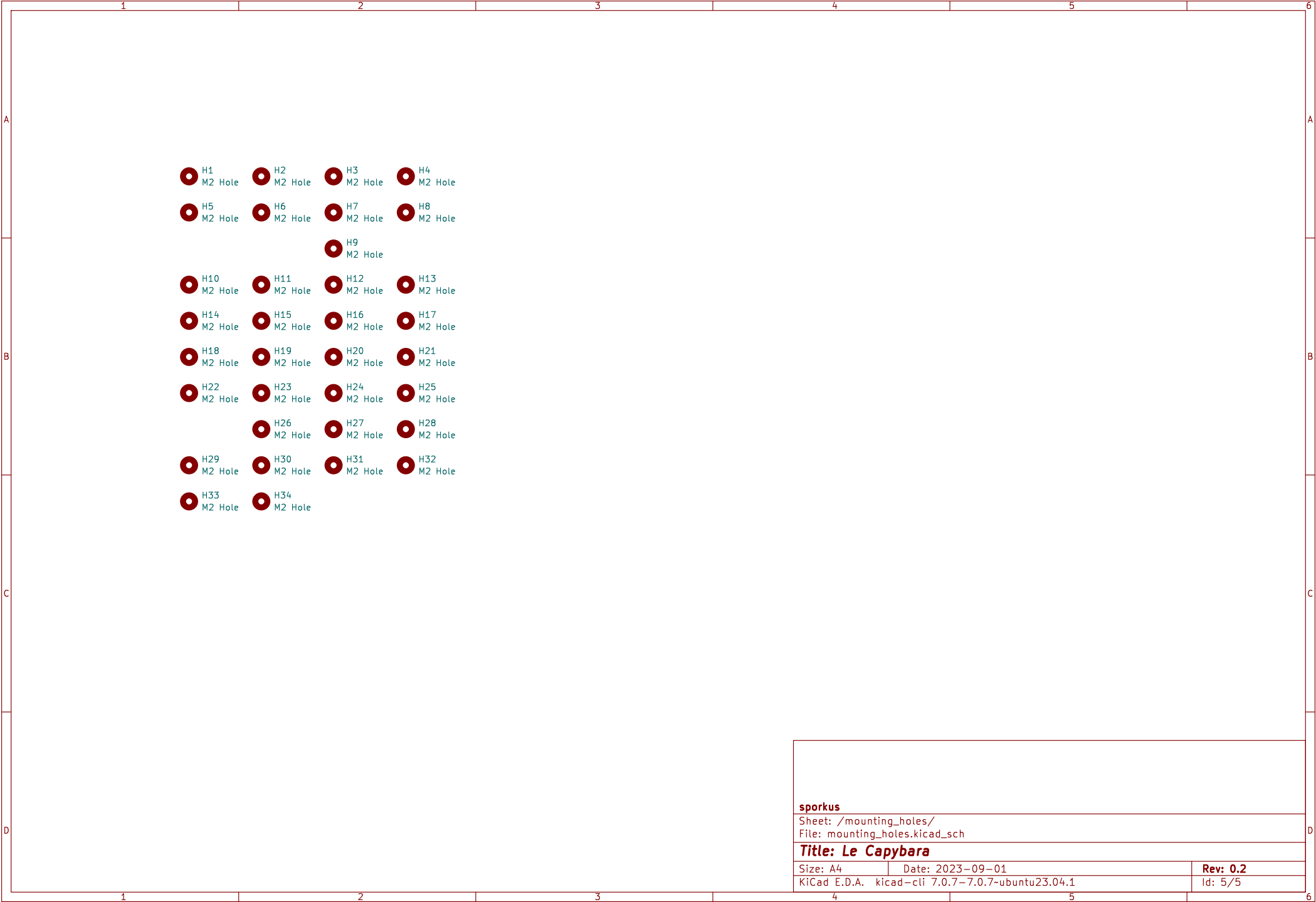
sporkus

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

**Title: Le Capybara**

Size: A4 Date: 2023-09-01  
KiCad E.D.A. kicad-cli 7.0.7-ubuntu23.04.1

**Rev: 0.2**  
Id: 4/5



sporkus	
Sheet: /mounting_holes/	
File: mounting_holes.kicad_sch	
Title: Le Capybara	
Size: A4	Date: 2023-09-01
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1	
Rev: 0.2	
Id: 5/5	