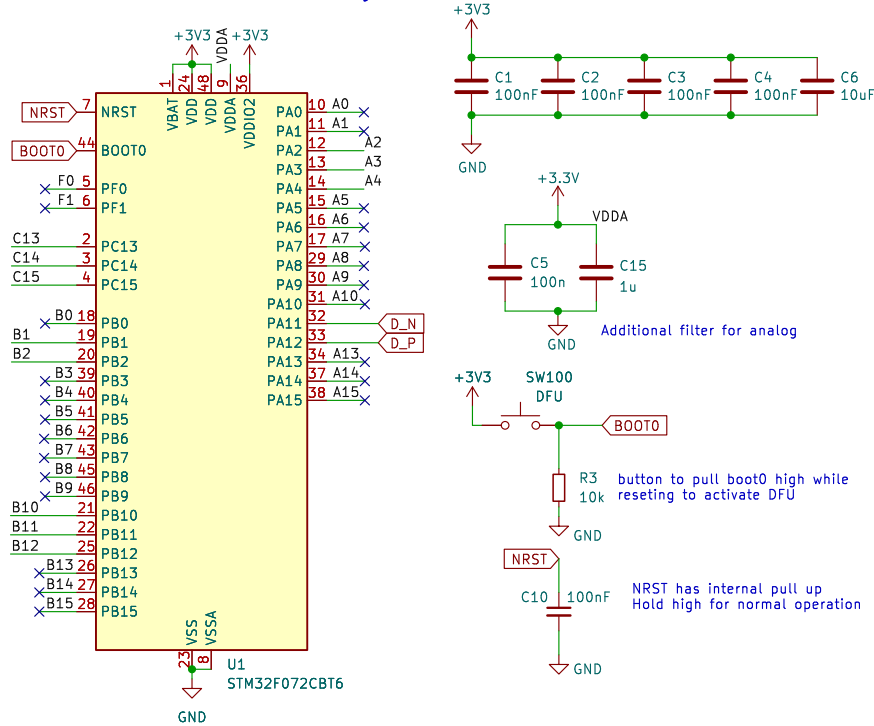
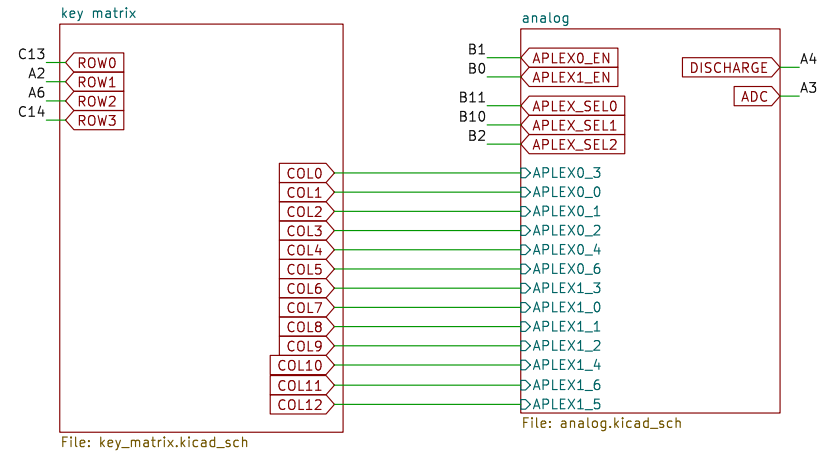


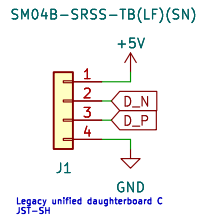
## STM32F072CBT6 128Kb Flash, crystal-less USB



## Pin Mapping

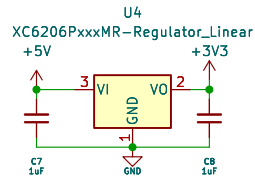


## Unified daughterboard Legacy C3 connector



usb signal impedance ref:  
4 layer PCB, stack up: JLC04161H-7628  
coplanar differential pair  
signal spacing: 0.2mm  
signal to ground spacing: 0.2mm  
signal trace width: 0.2644mm

## 3V3 LDO



## mounting\_holes

File: mounting\_holes.kicad\_sch

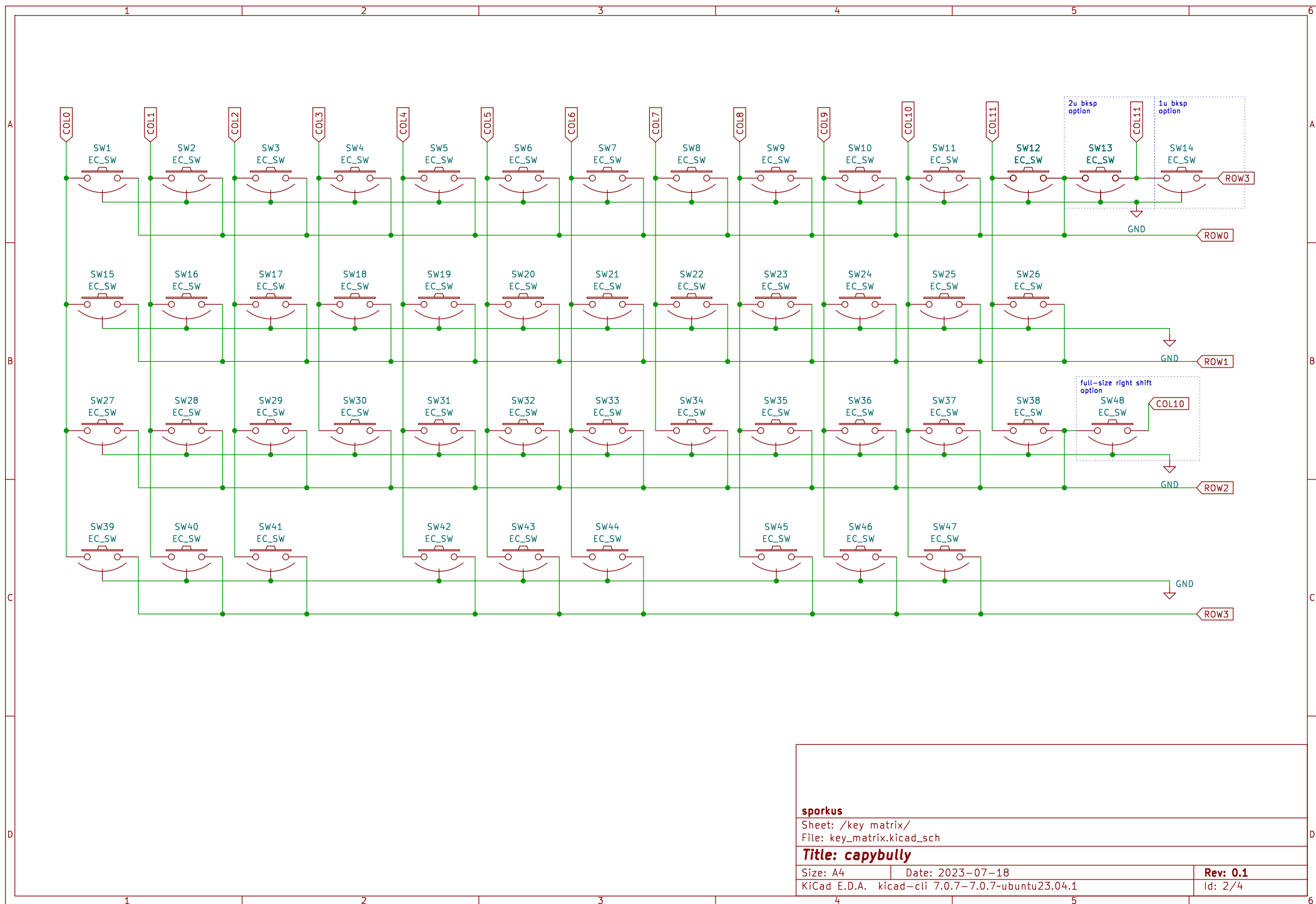
sporkus

Sheet: /  
File: capybully.kicad\_sch

Title: capybully

Size: A4 Date: 2023-07-18  
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

Rev: 0.1  
Id: 1/4



**sporkus**

Sheet: /key matrix/

File: key\_matrix.kicad\_sch

**Title: capybully**

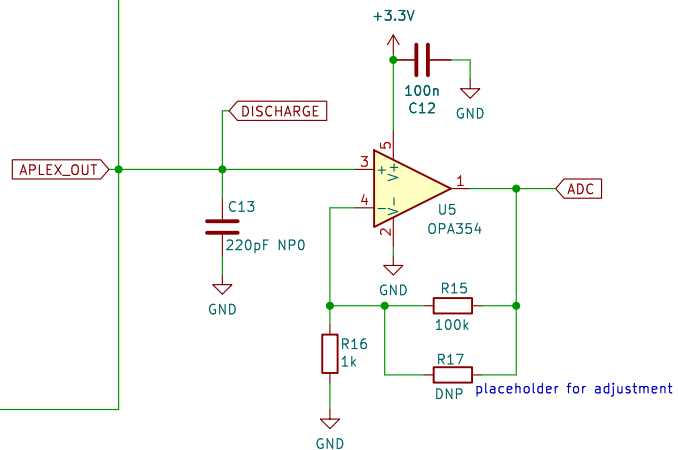
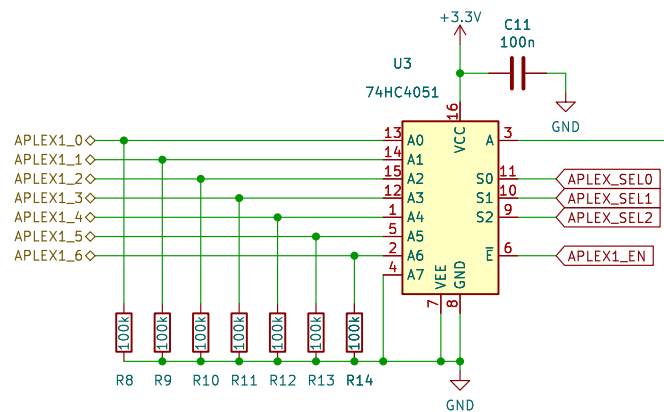
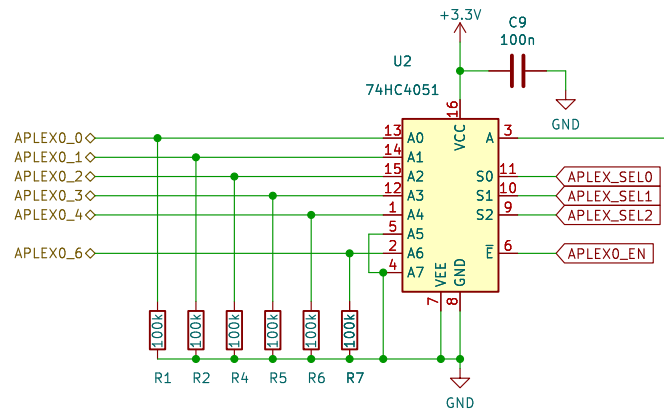
Size: A4

Date: 2023-07-18

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

**Rev: 0.1**

Id: 2/4



Alternatives:  
SC-70-6  
OPA358AIDCKR  
LMV861

SOT-23-5 seems to have better availability  
OPA354 to 358 seems ok

sporkus

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

Title: capybully

Size: A4 Date: 2023-07-18  
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

Rev: 0.1  
Id: 3/4



sporkus

Sheet: /mounting\_holes/  
File: mounting\_holes.kicad\_sch

Title: capybully