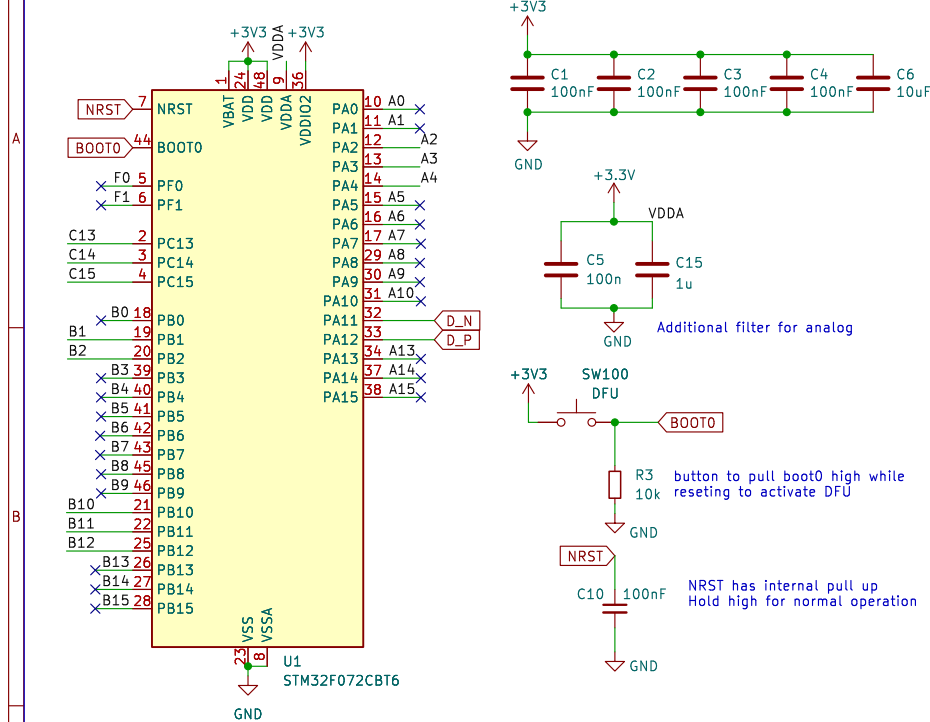
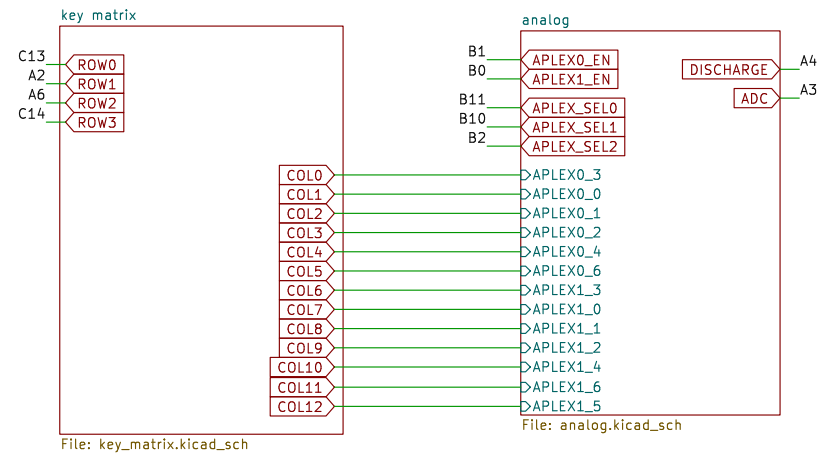


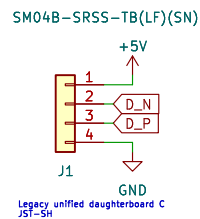
## STM32F072CBT6 128Kb Flash, crystal-less USB



## Pin Mapping

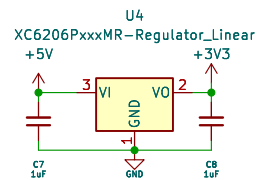


Unified daughterboard  
Legacy C3 connector

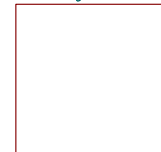


usb signal impedance ref:  
4 layer PCB, stack up: JLC04161H-7628  
coplanar differential pair  
signal spacing: 0.2mm  
signal to ground spacing: 0.2mm  
signal trace width: 0.2644mm

### 3V3 LDO



mounting\_holes



File: mounting\_holes.kicad\_sch

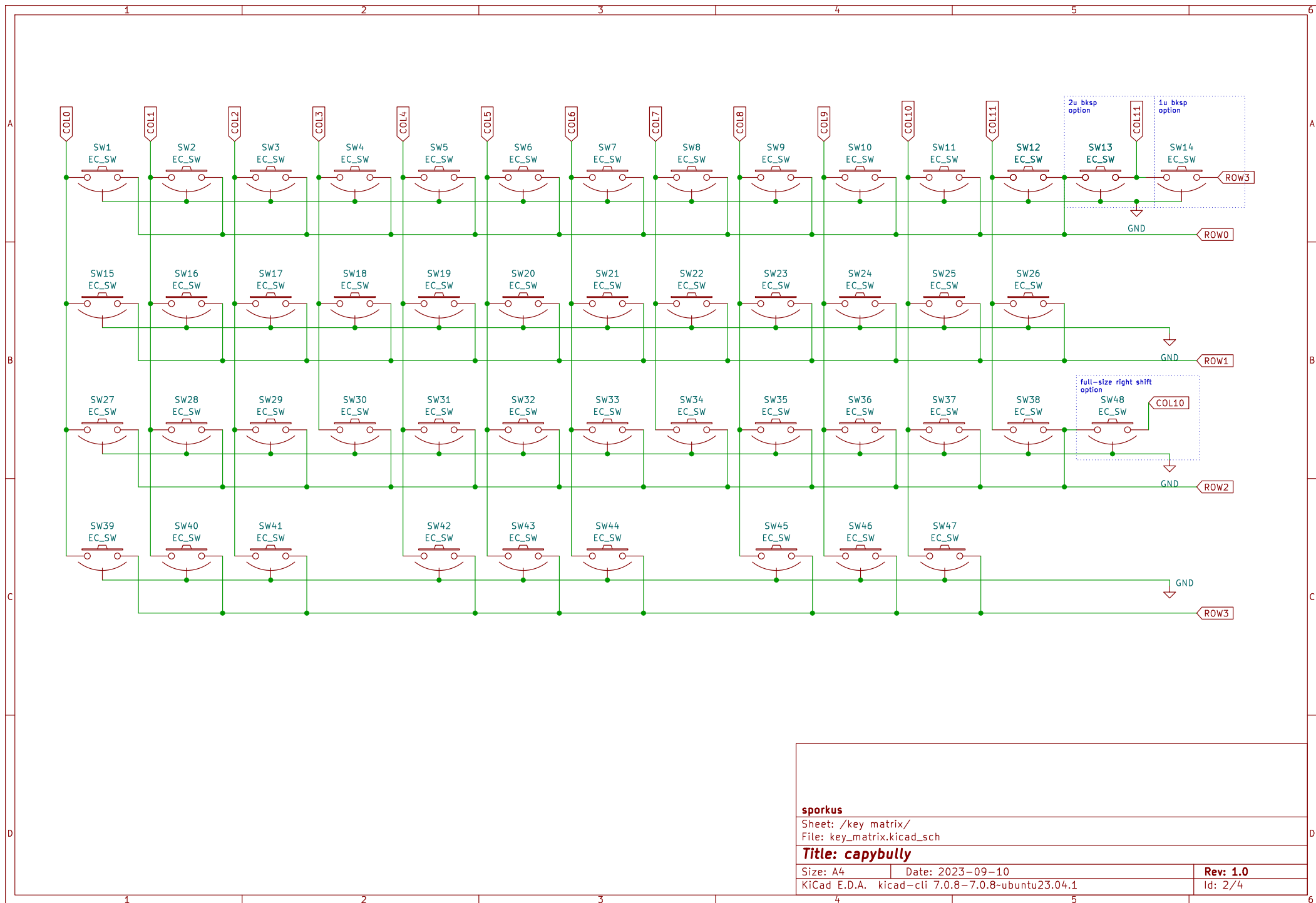
sporkus

Sheet: /  
File: capybully.kicad\_sch

**Title:** capybully

Size: A4	Date: 2023-09-10
KiCad E.D.A. kicad-cli 7.0.8-7.0.8-ubuntu23.04.1	

Rev: 1.0  
Id: 1/4



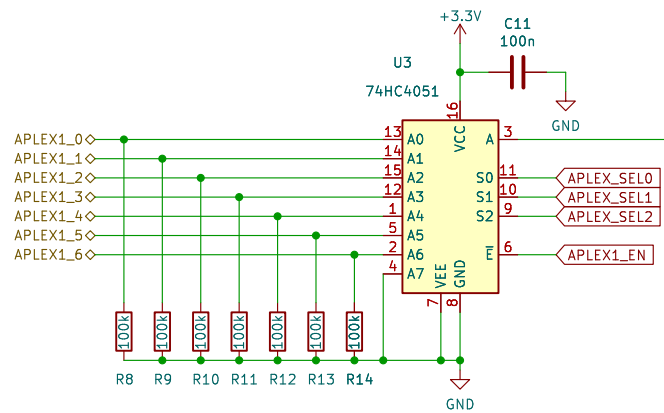
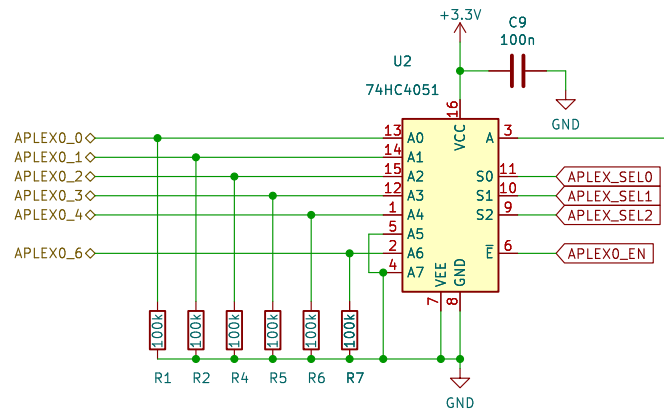
sporkus

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

**Title: capybully**

Size: A4      Date: 2023-09-10  
KiCad E.D.A.    kicad-cli 7.0.8-7.0.8-ubuntu23.04.1

**Rev: 1.0**  
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: 2023-09-10  
 KiCad E.D.A. kicad-cli 7.0.8-7.0.8-ubuntu23.04.1

**Rev: 1.0**  
 Id: 3/4

