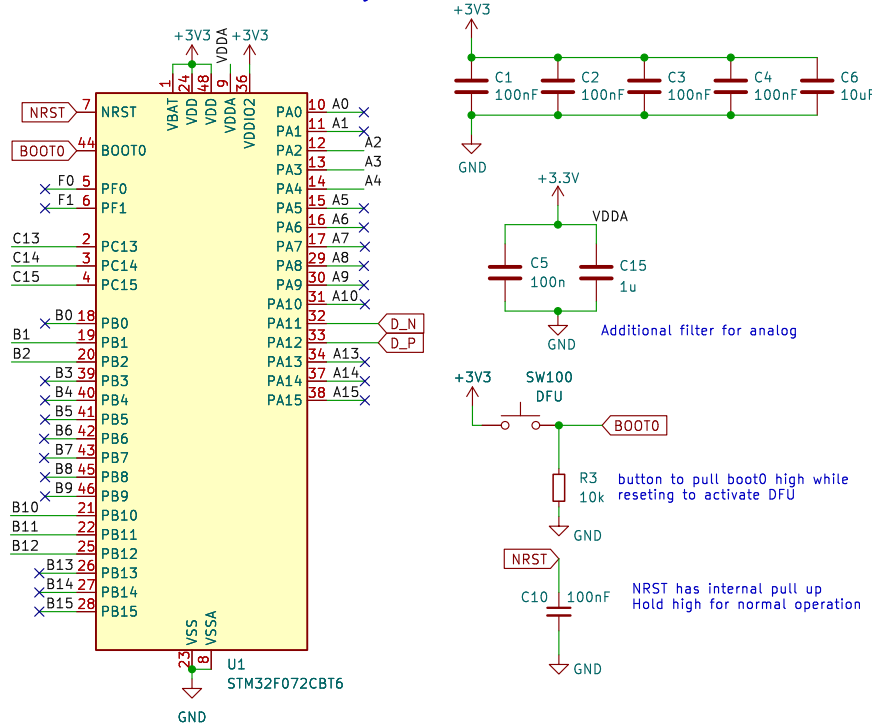
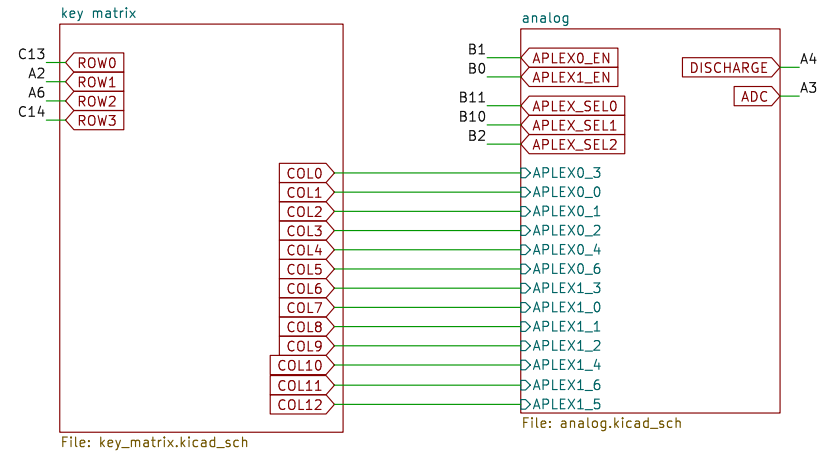


STM32F072CBT6 128Kb Flash, crystal-less USB

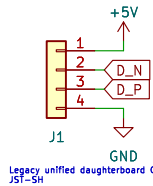


Pin Mapping



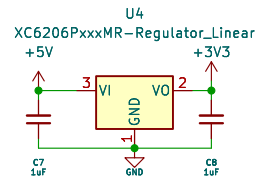
Unified daughterboard Legacy C3 connector

SM04B-SRSS-TB(LF)(SN)

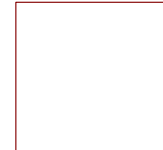


usb signal impedance ref:
4 layer PCB, stack up: JLC04161H-7628
coplanar differential pair
signal spacing: 0.2mm
signal to ground spacing: 0.2mm
signal trace width: 0.2644mm

3V3 LDO



mounting_holes



File: mounting_holes.kicad_sch

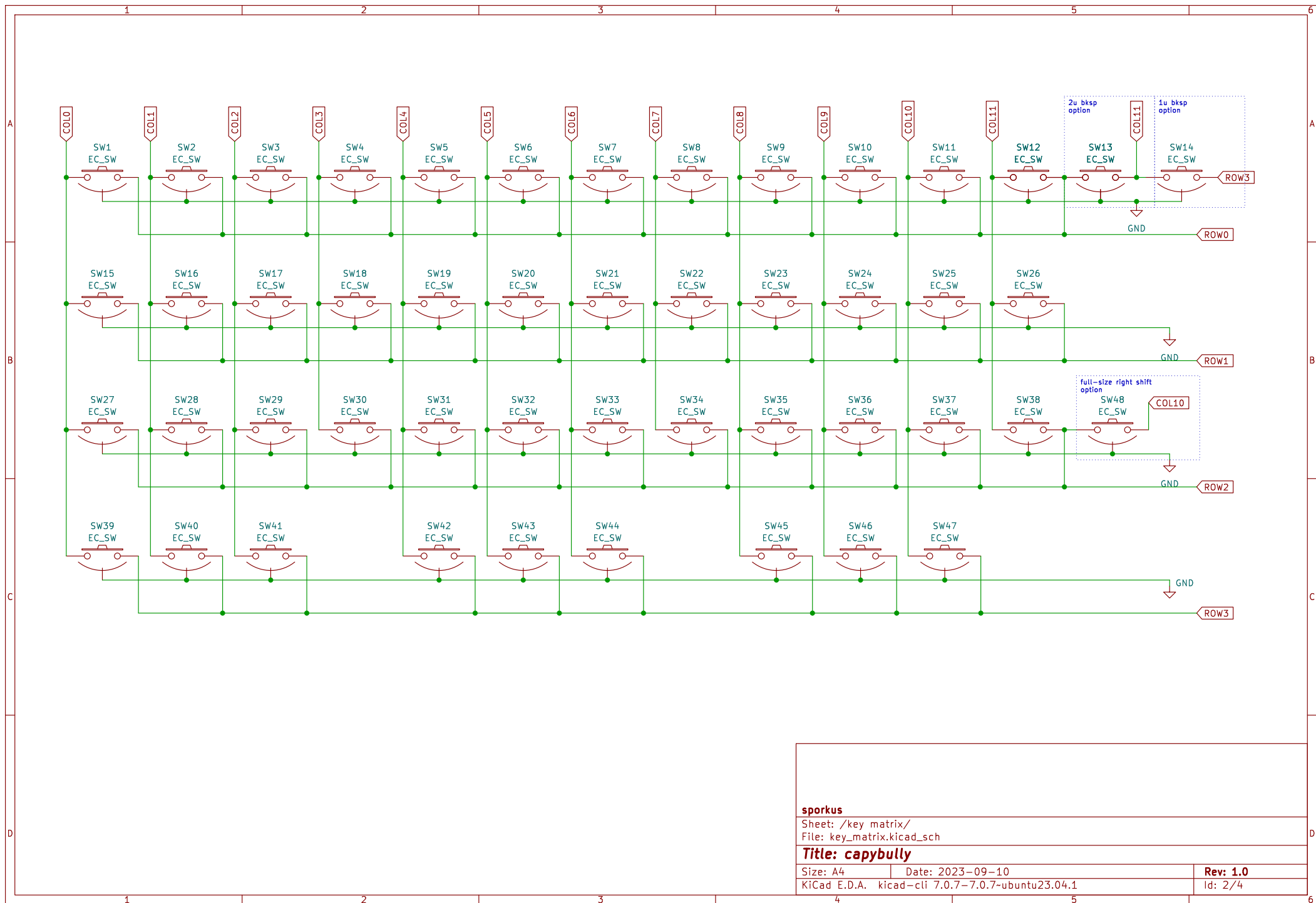
sporkus

Sheet: /
File: capybully.kicad_sch

Title: capybully

Size: A4 Date: 2023-09-10
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

Rev: 1.0
Id: 1/4



sporkus

Sheet: /key matrix/

File: key_matrix.kicad_sch

Title: capybully

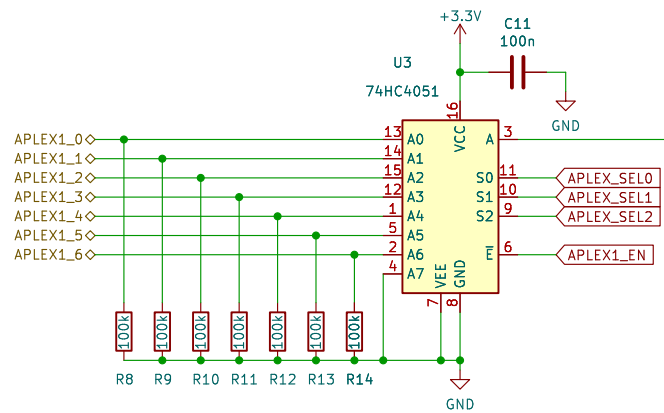
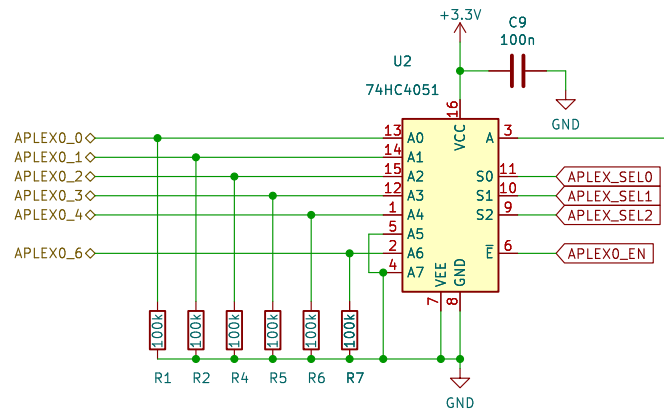
Size: A4

Date: 2023-09-10

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

Rev: 1.0
Id: 3/4

