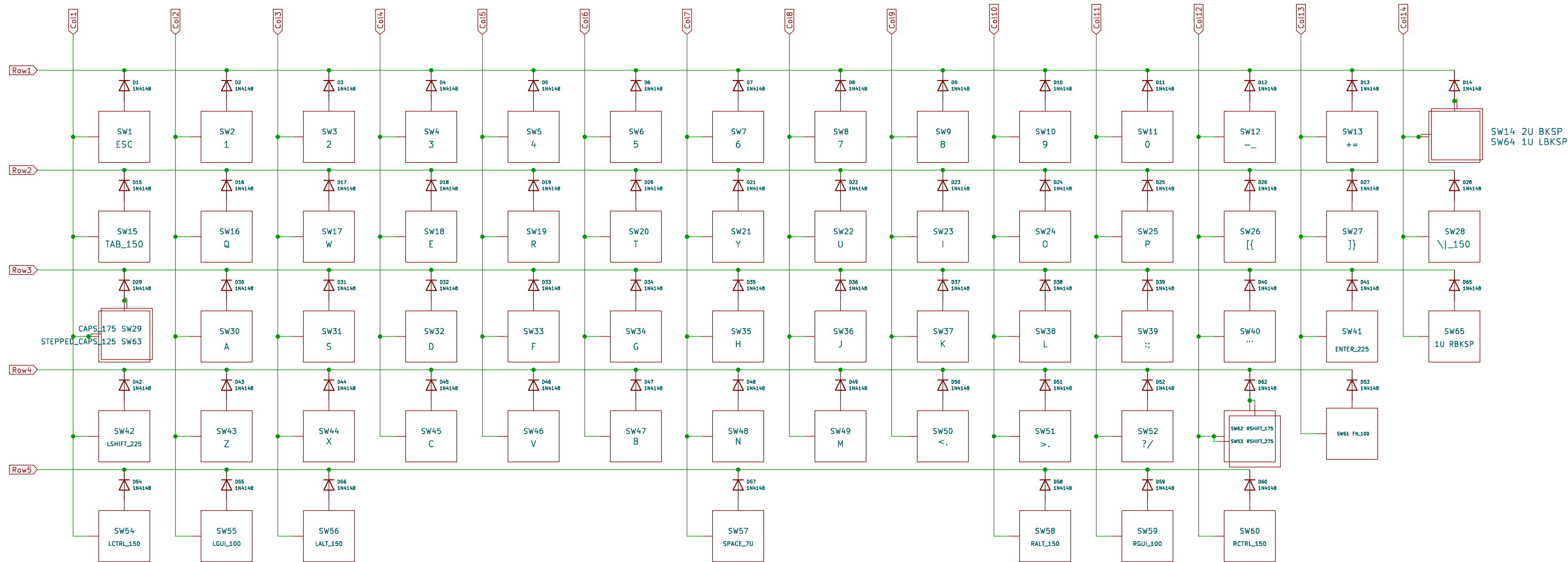


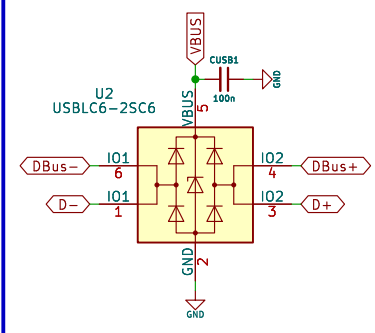
Switch matrix



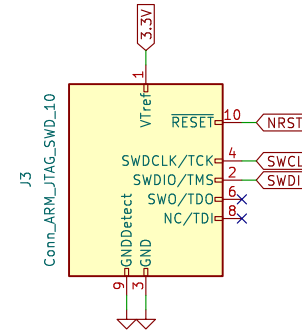
Logos and flags

- L2 OSHLogo
- L1 ArcticLogo
- L3 Acheron Logo
- L4 ArcticLabel
- L5 Acheron Logo

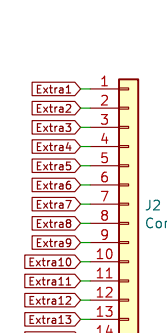
USD ESD



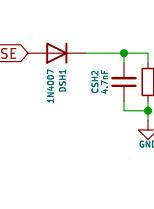
Serial programming



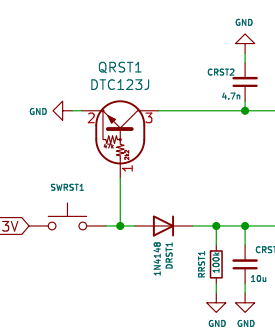
Extra pins



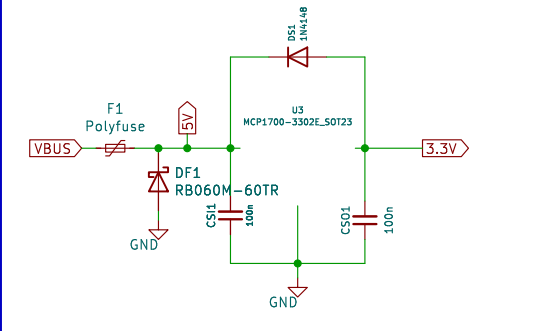
Case ESD



Hard reset circuit



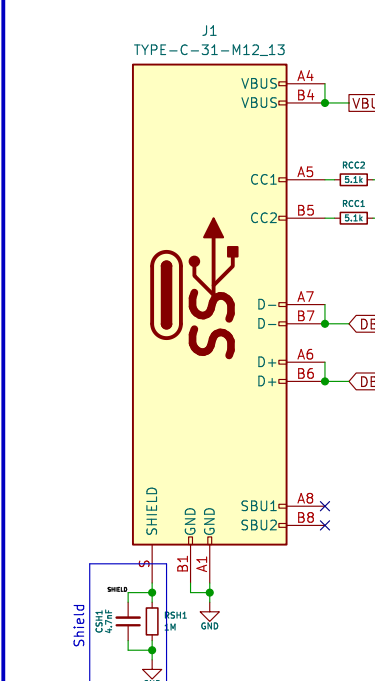
Power supply and protection circuit



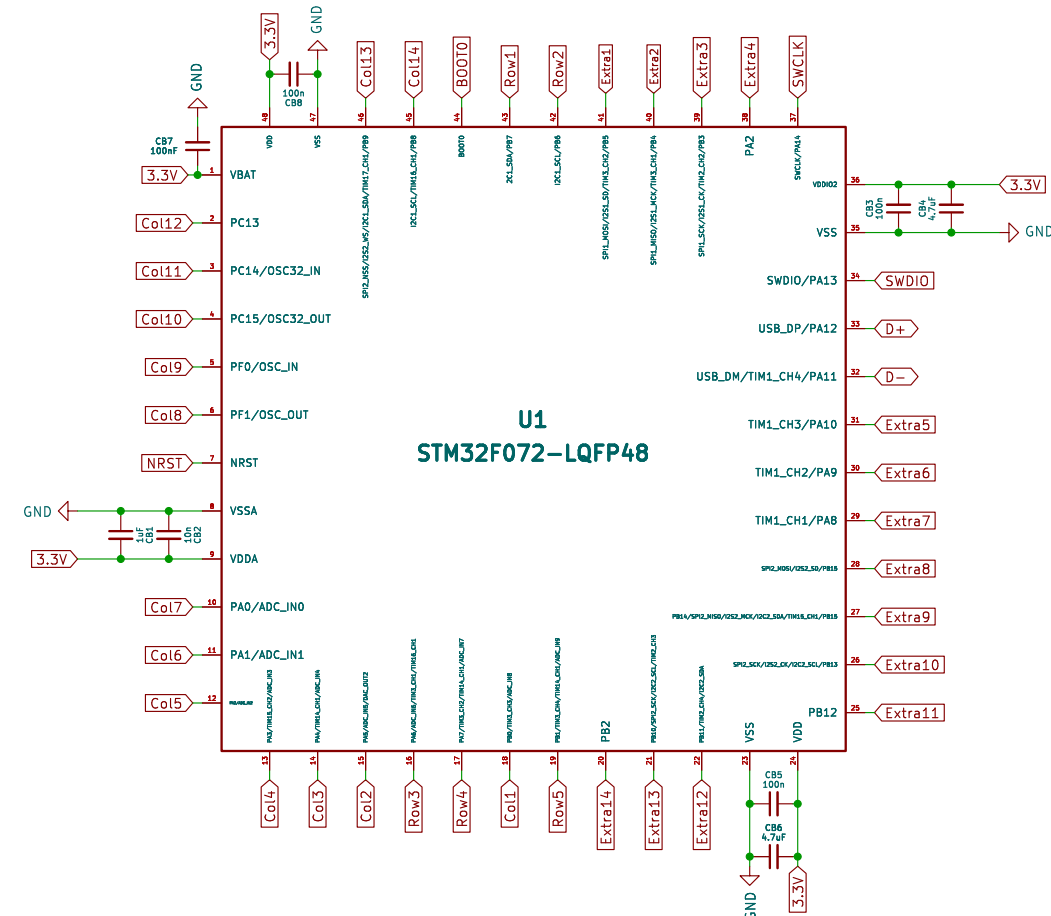
Mounting holes

- H1 Half Side Hole
- H2 Mounting Hole
- H3 Oval Mounting Hole
- H4 Oval Mounting Hole
- H5 Oval Mounting Hole
- H6 Half Side Hole
- H7 Oval Mounting Hole
- H8 CASE Mounting Hole
- H9 Oval Mounting Hole
- H10 Oval Mounting Hole

USB Connector



MCU



CBx are the bypass capacitors. Their value is specified in reference [2].

REFERENCES

[1] STM32F072x8 / STM32F072x8 datasheet

<https://www.st.com/resource/en/datasheet/stm32f072rb.pdf>

[2] AN4080 Application note

https://www.st.com/content/ccc/resource/technical/document/application_note/c9/19/47/b8/6b/0e/4c/d3/DM00051986.pdf/files/DM00051986.pdf/jcr:content/translations/en.DM00051986.pdf

Acheron 40-SM-0-MX-TH-WI codename SharkPCB

Designed by Gondolindrim in Partnership with ArcticFox

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Title: ArcticPCB

Size: A2 Date: 2020-03-18

KiCad E.D.A. eeschema 7.0.6

Rev: Alpha

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