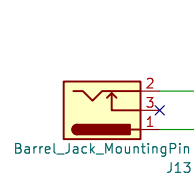


5.5mm x 2.1mm, Center Negative.



unfused
power_input_gnd

F1
Polyfuse 1.8A

Q1
FDS4435BZ
5V 3
4
2
3

polarity-checked
C13
270uF

C16
4.7uF

L6
2.2uH

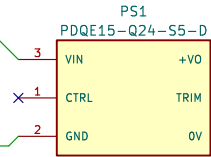
C18
1nF

C17
4.7uF

C14
270uF

C19
1nF

vin



+5VD

C15
270uF

GND

J14

+5VP

CAUTION: Due to a limitation of the CM4 Nano A board the Jumper J14 must be removed when the CM4 is powered via USB!

EMC filter: <https://www.cui.com/blog/emi-filter-components-what-they-are-and-how-they-work>
CM Noise: <https://www.cui.com/blog/reducing-supply-rail-common-mode-noise-in-audio-applications>

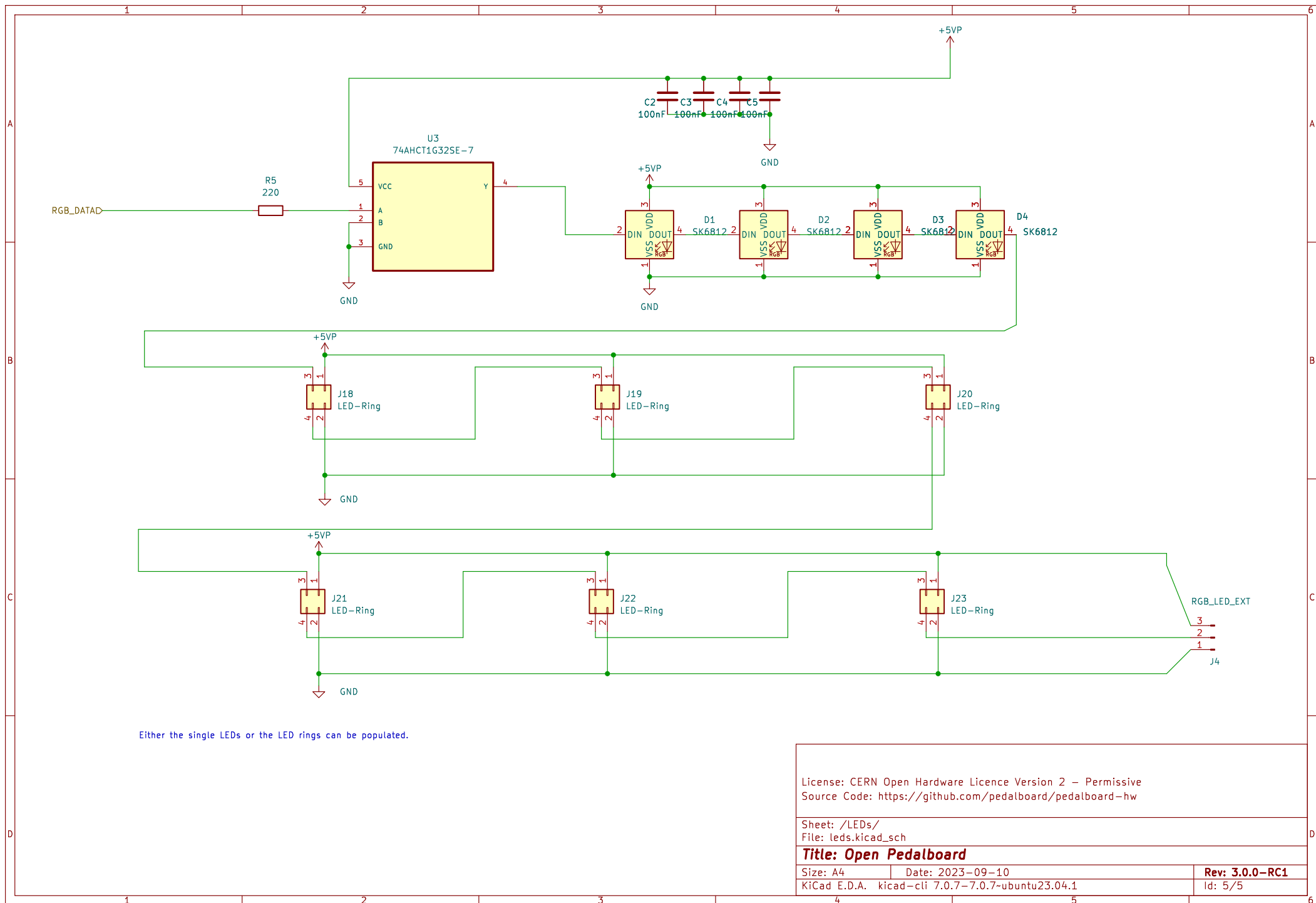
License: CERN Open Hardware Licence Version 2 – Permissive
Source Code: <https://github.com/pedalboard/pedalboard-hw>

Sheet: /Power Supply/
File: psu.kicad_sch

Title: Open Pedalboard

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

Rev: 3.0.0-RC1
Id: 4/5



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Source Code: <https://github.com/pedalboard/pedalboard-hw>

Sheet: /LEDs/
File: leds.kicad_sch

Title: Open Pedalboard

Size: A4 Date: 2023-09-10

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

Rev: 3.0.0-RC1

Id: 5/5