

Whammy 4 – Version 1.08

By melatroid

melatroid@gmail.com

True Bypass, Blend Mix

Shutter Gate Effect

Change Effects

Momantary



Calibration

Midi Access

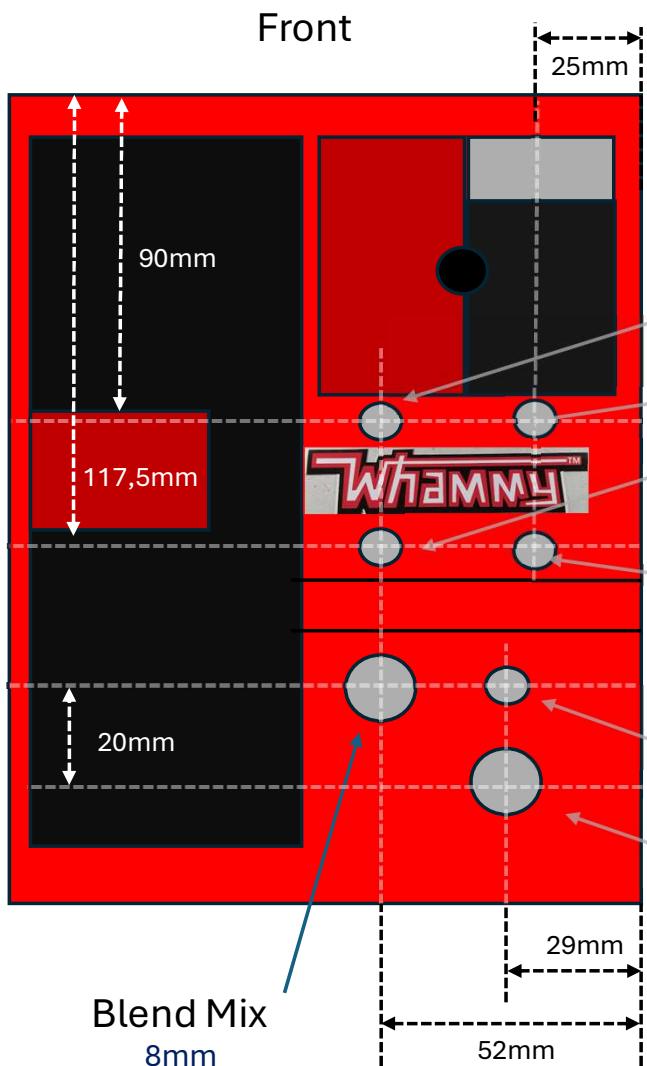
Time

Momantary
/ Change Effects

Blend Mix

LED On/OFF

Effect On/OFF



6mm
Calibration Switch

6mm
Midi Access Switch

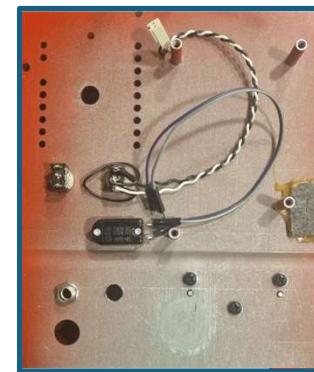
Momentary Switch
12mm

Poti 10KOhm
7mm

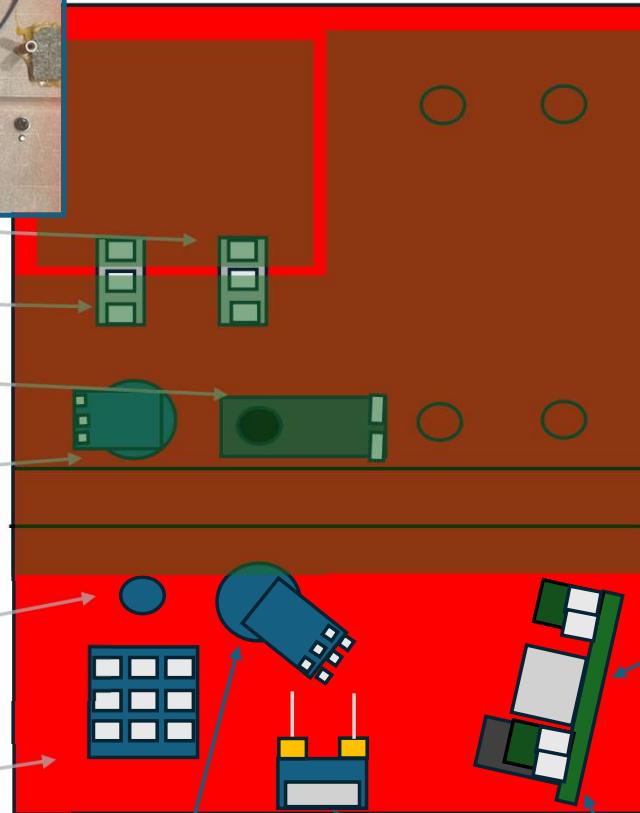
LED
7,5mm

3PDT
10mm

Blend Mix
8mm



Back



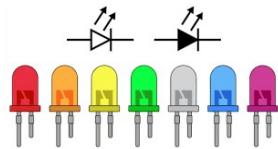
Glue it!

AC/DC
Power

Glue it!

RP 2040 Zero
**USB TO THE TOP
FOR UPDATES**

Parts



1kΩ 3x
1MΩ
220Ω 2x



10nF
(optional)



Toggle Switch 2x
Midi Access /
Calibration



Momentary
(Original Part)



250kΩ
Blend



3PDT



The Whammy is very Noisy but i use a simple
Noise Gate directly after the Whammy.
That brings the Action.

Problem is the AC/DC Converter...



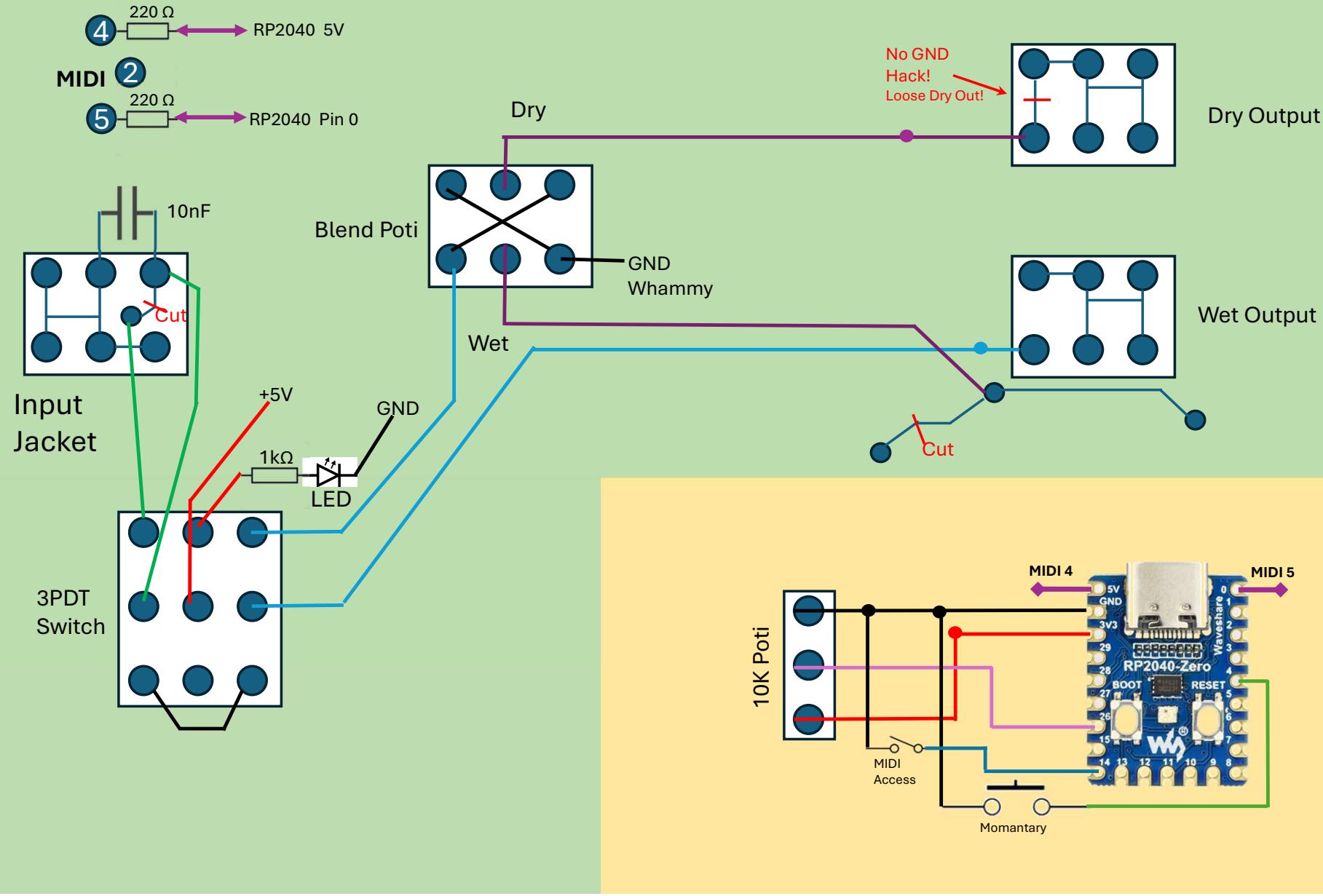
AC/DC
LM2596HV



10KΩ



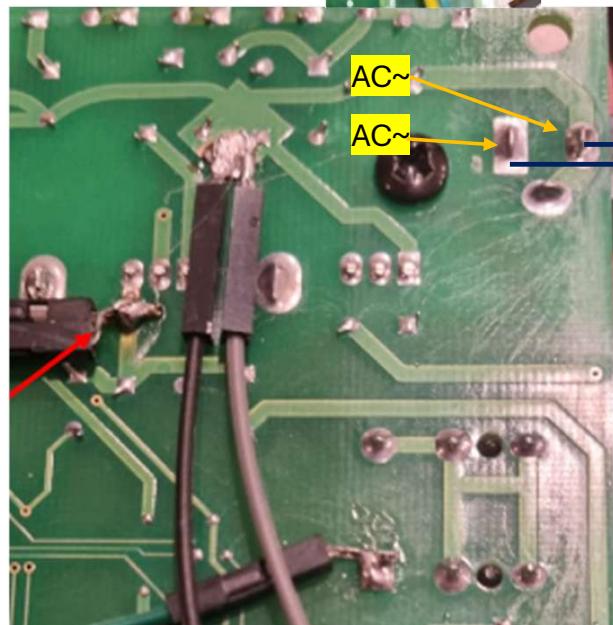
Raspberry Pi
2040 Zero



Power Supply



Power Supply PLAN A



AC/DC Converter
LM2596HV



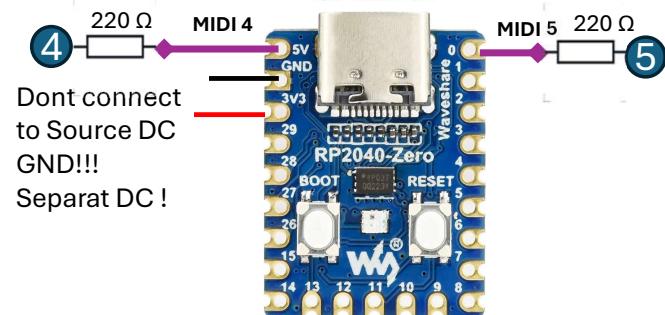
Get a new fix!!!

5V +/- !!!

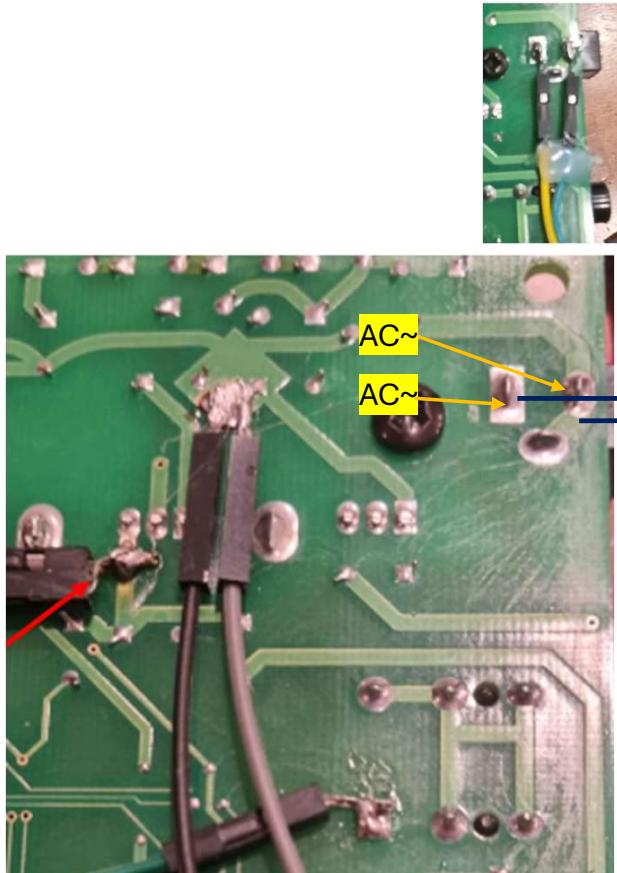
USB Type-C

4 220 Ω MIDI 4

Dont connect
to Source DC
GND!!!
Separat DC !

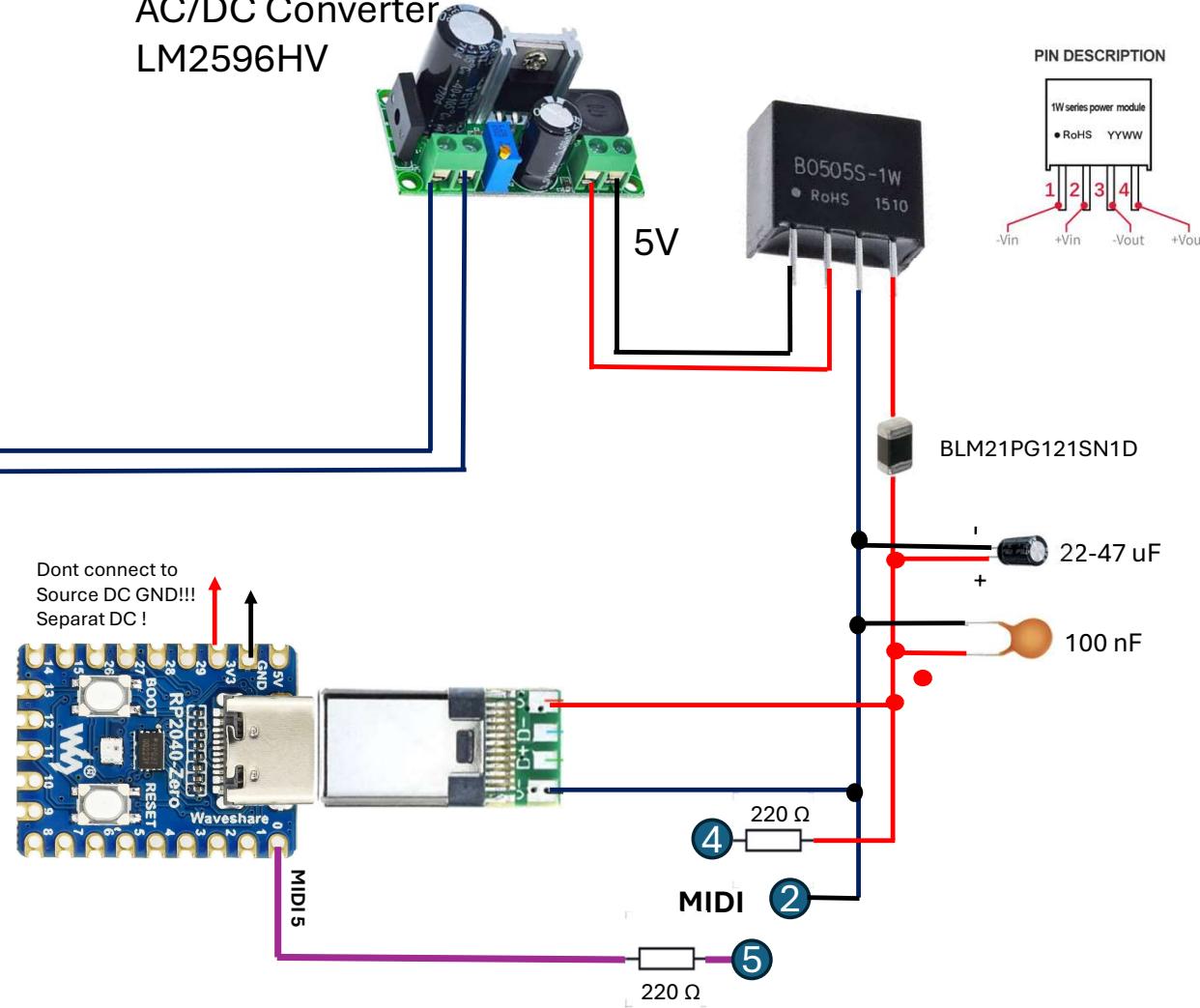


Power Supply **PLAN B**

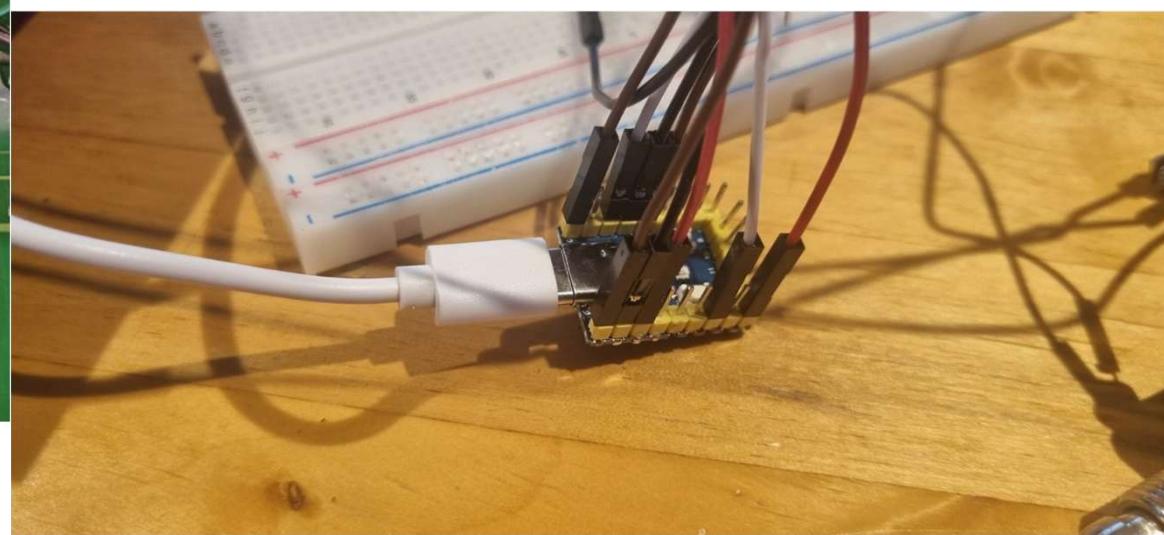
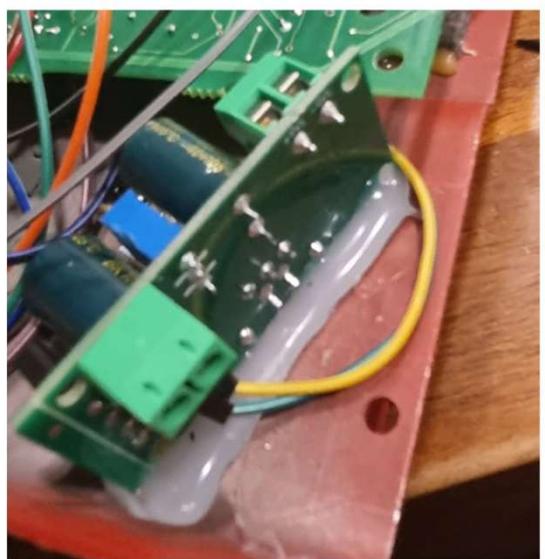
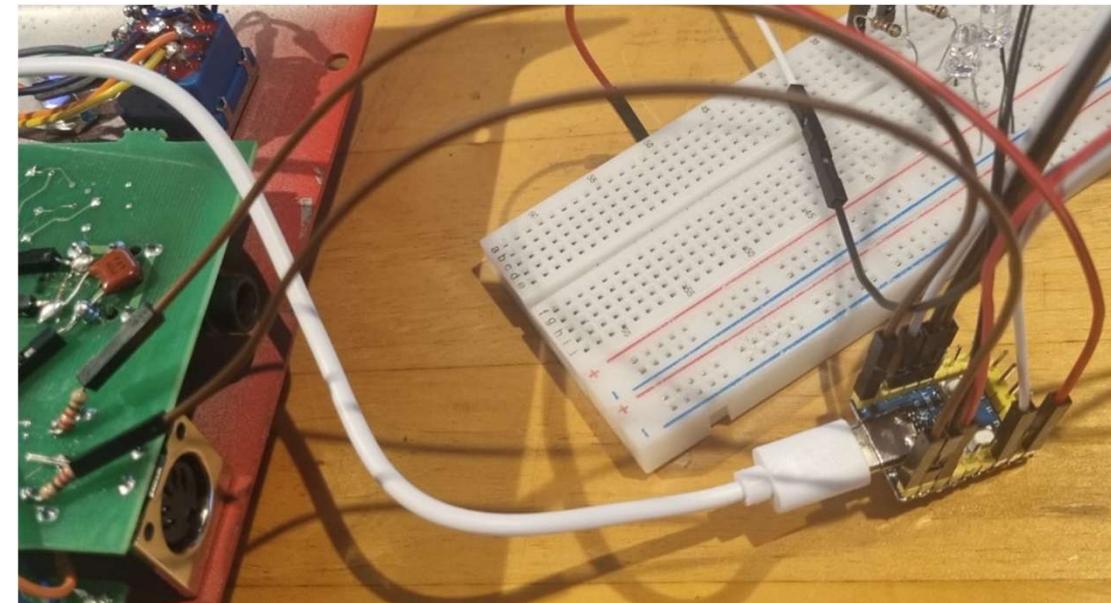
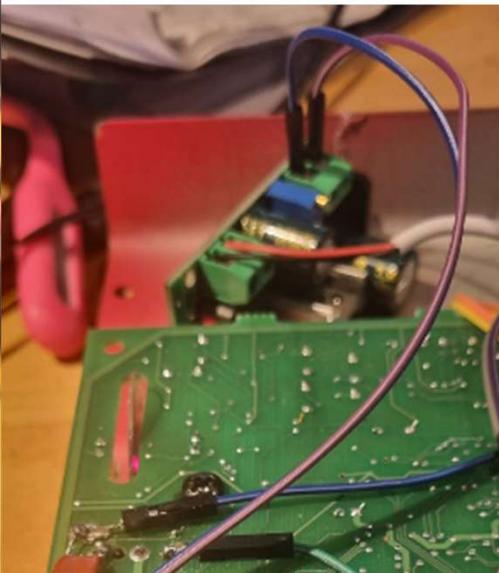
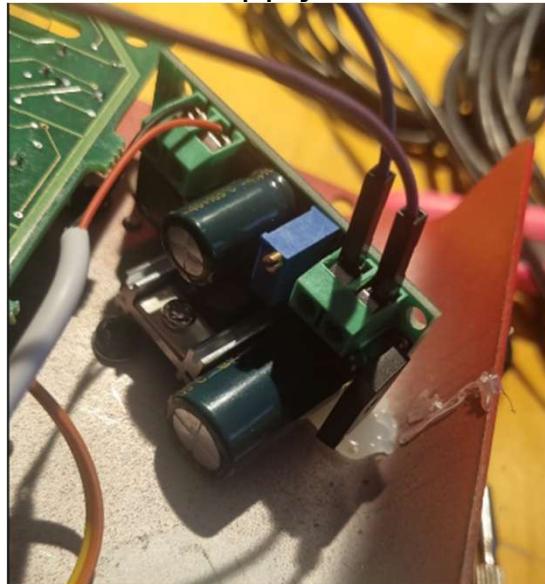


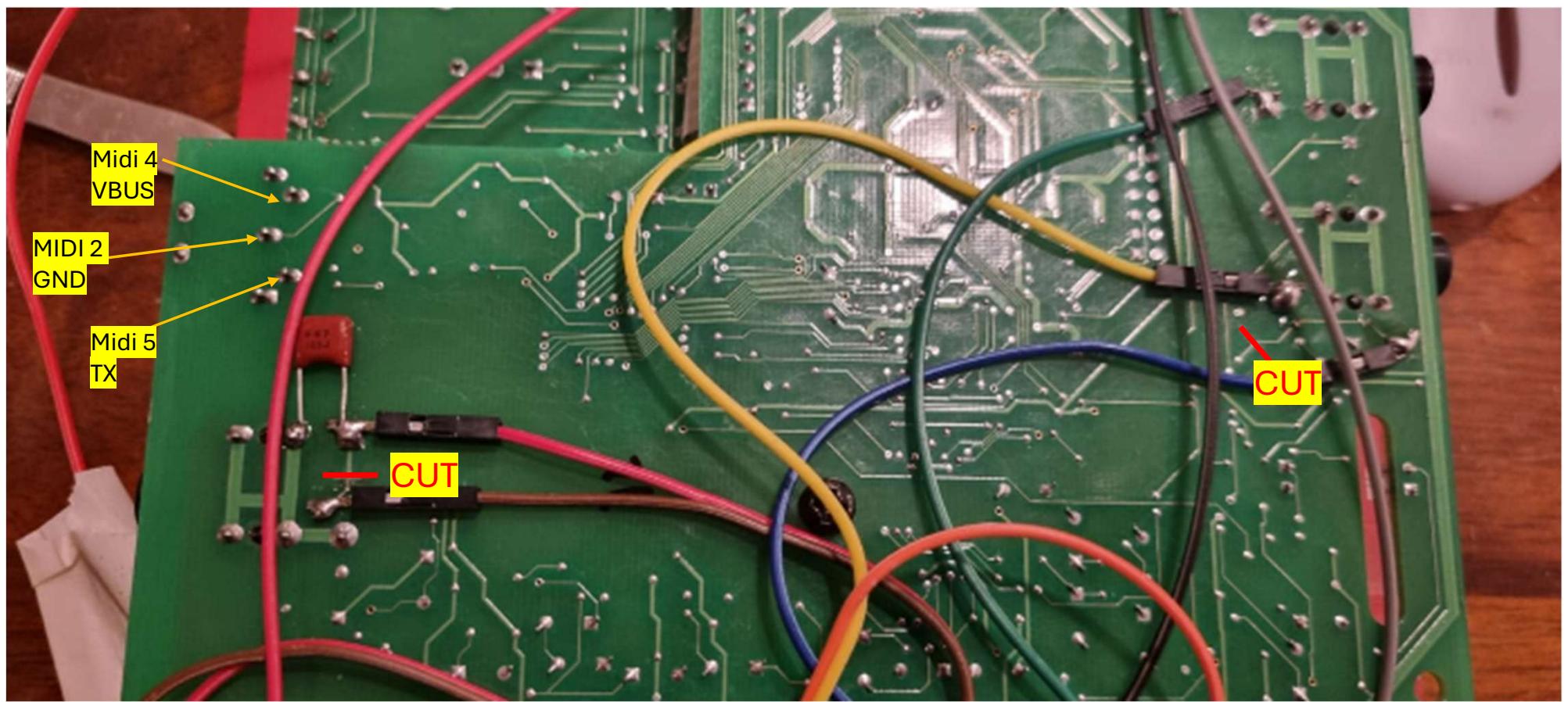
~9V

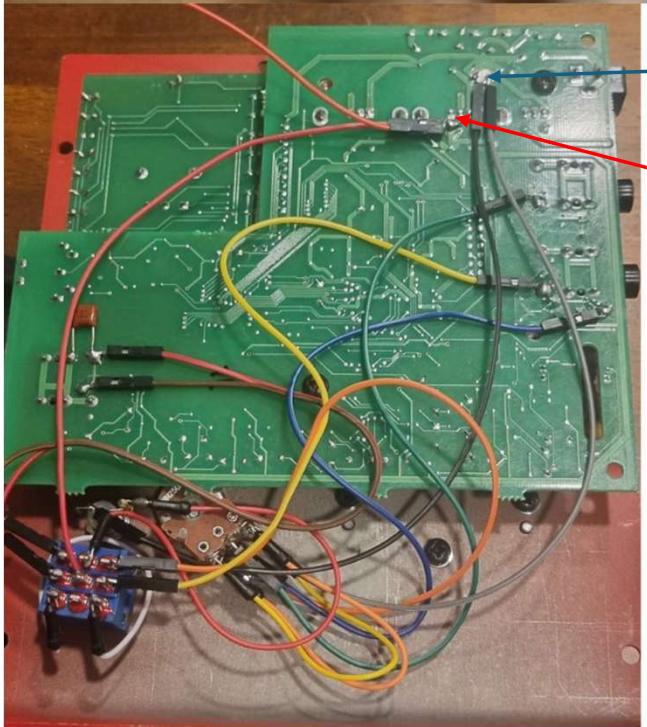
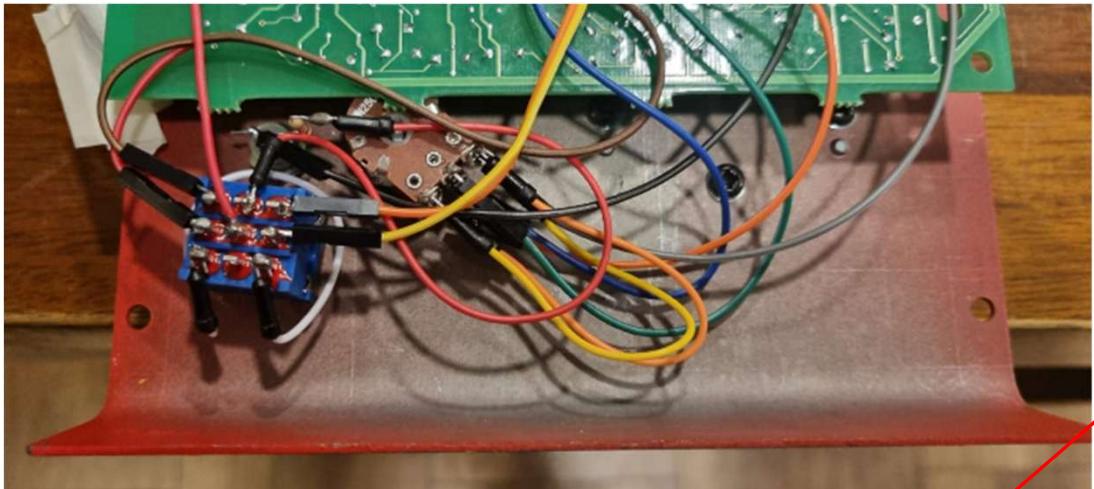
AC/DC Converter
LM2596HV



Power Supply

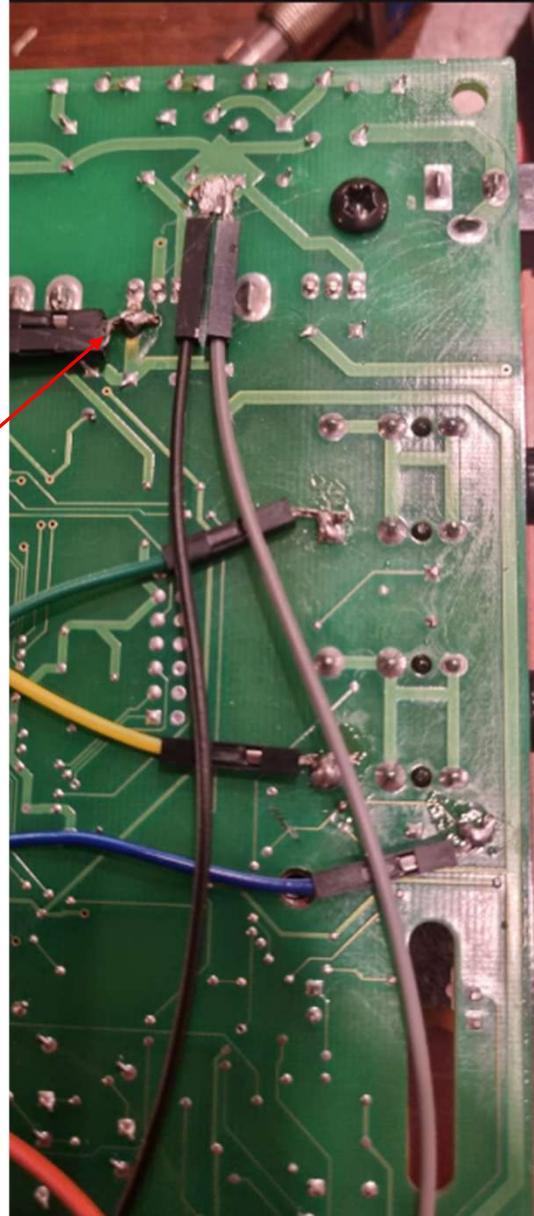


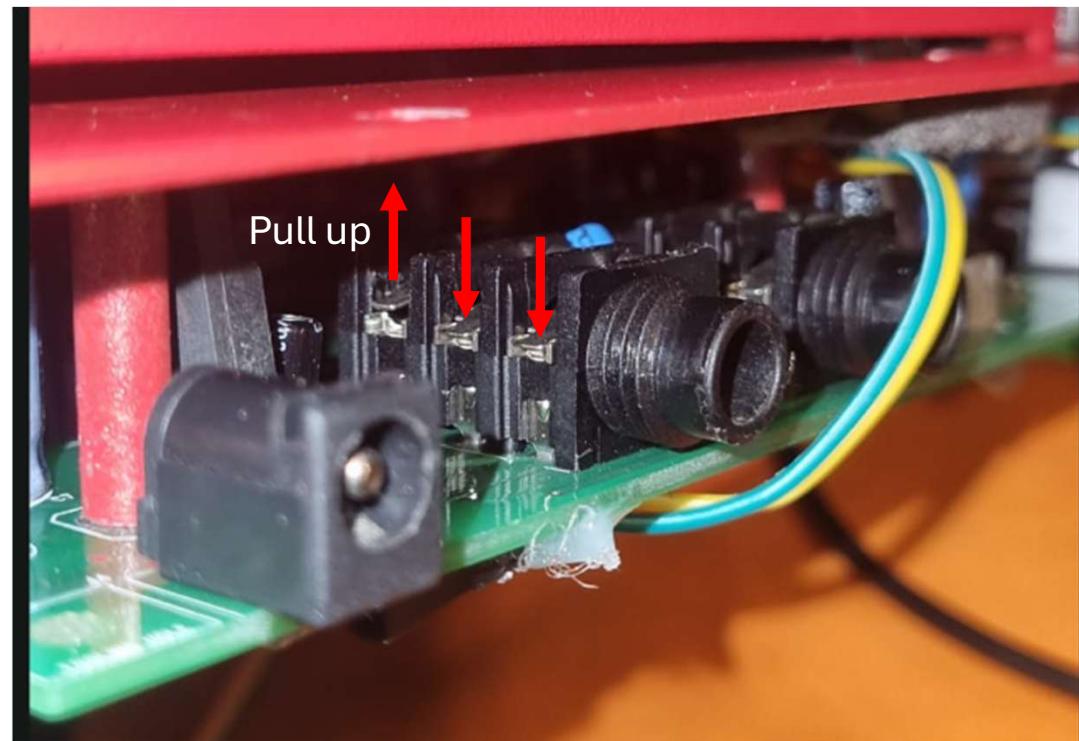
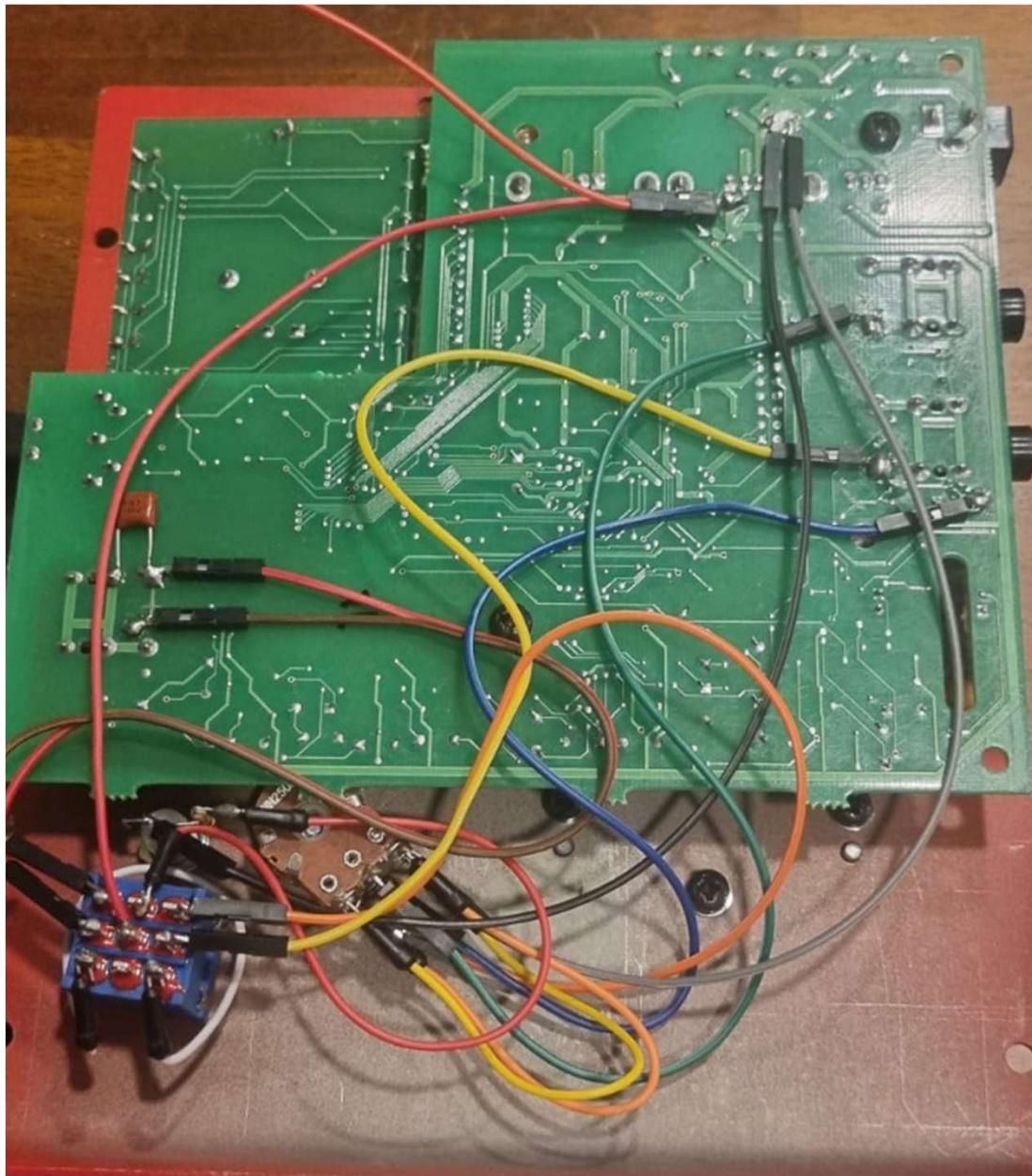




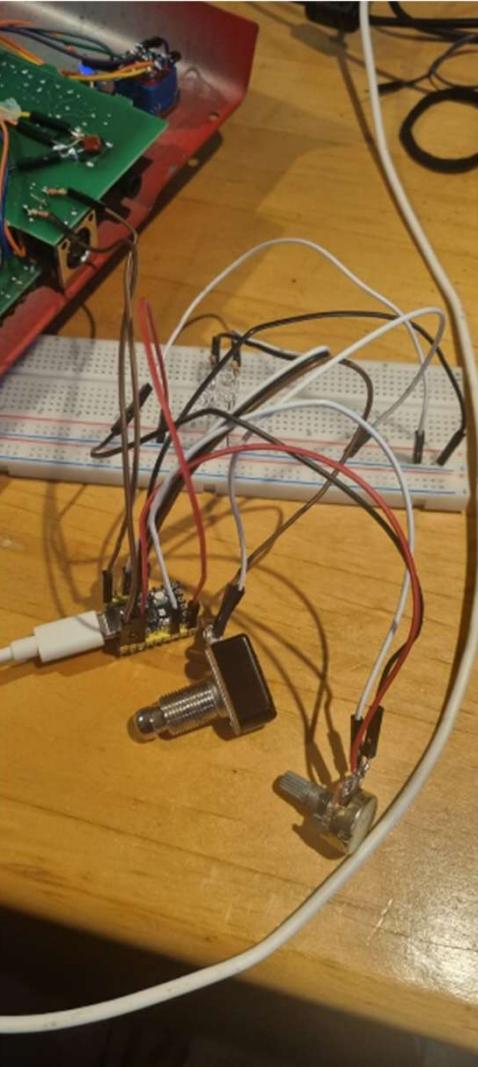
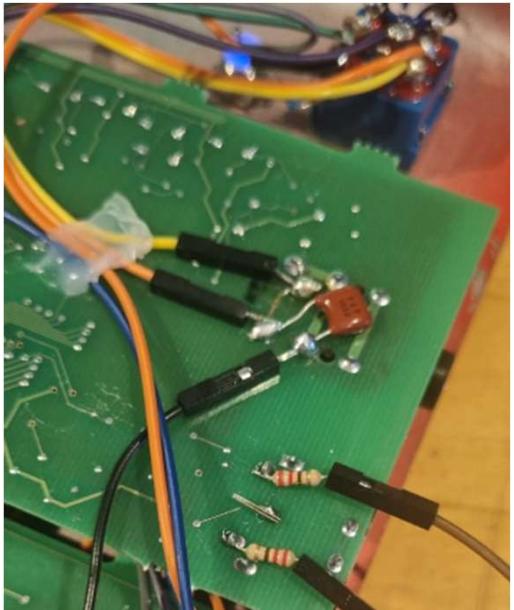
GND LED
HERE!!!

+5V LED
HERE!!!





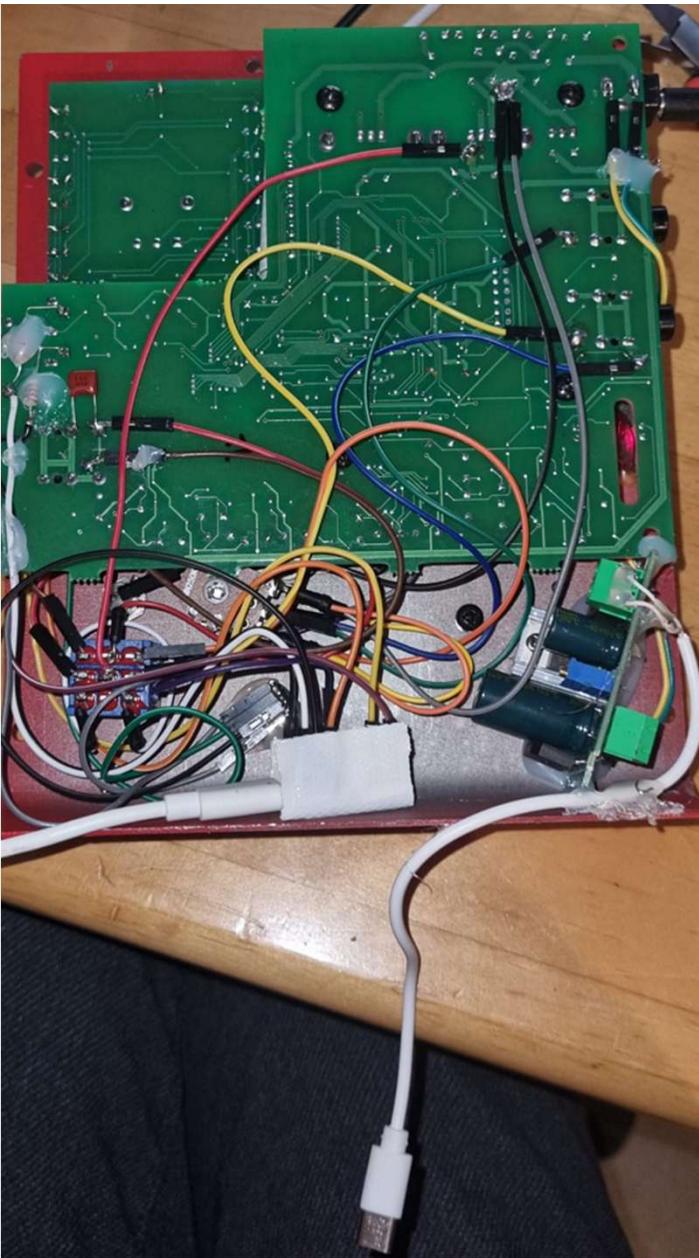
Midi Test



<https://youtube.com/shorts/wjgEext1rCg>

- 2 combinable effect presets

Final Front/Back



Flash NEO Software

