

Whammy 4 – Version 1.09

By melatroid

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True Bypass, Blend Mix
Shutter Gate Effect
Change Effects
Momantary



Calibration

Midi Access

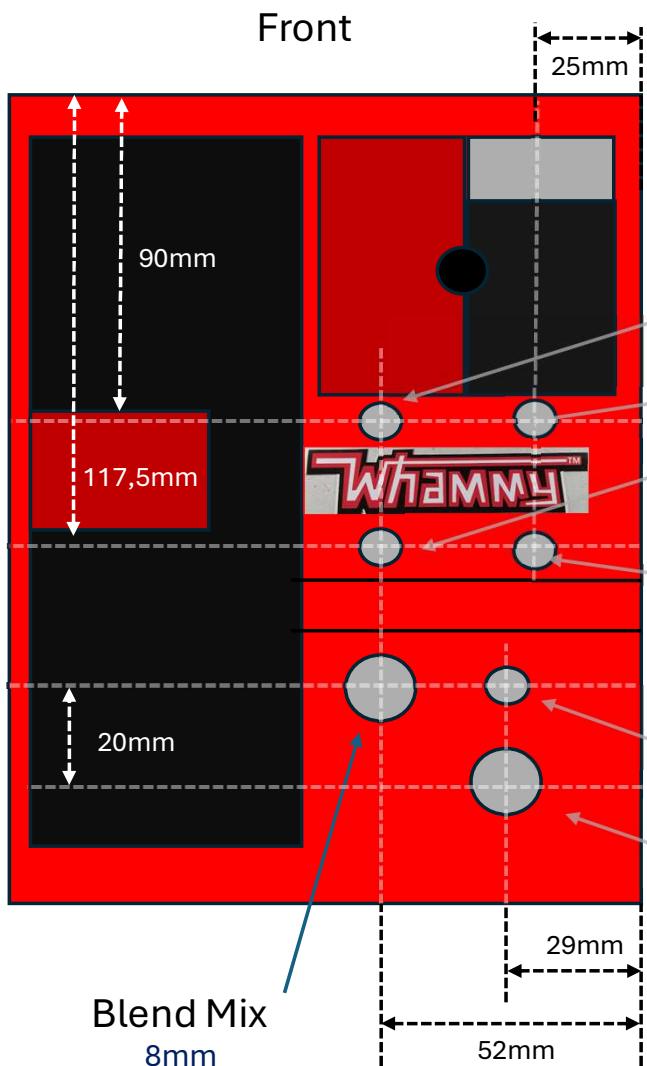
Time

Momantary / Change Effects

Blend Mix

LED On/OFF

Effect On/OFF



6mm
Calibration Switch

6mm
Midi Access Switch

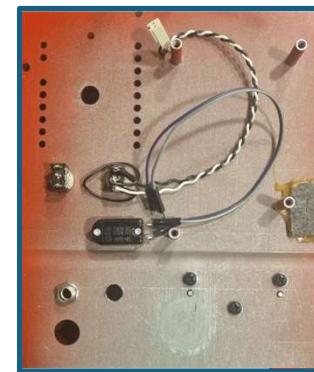
Momentary Switch
12mm

Poti 10KOhm
7mm

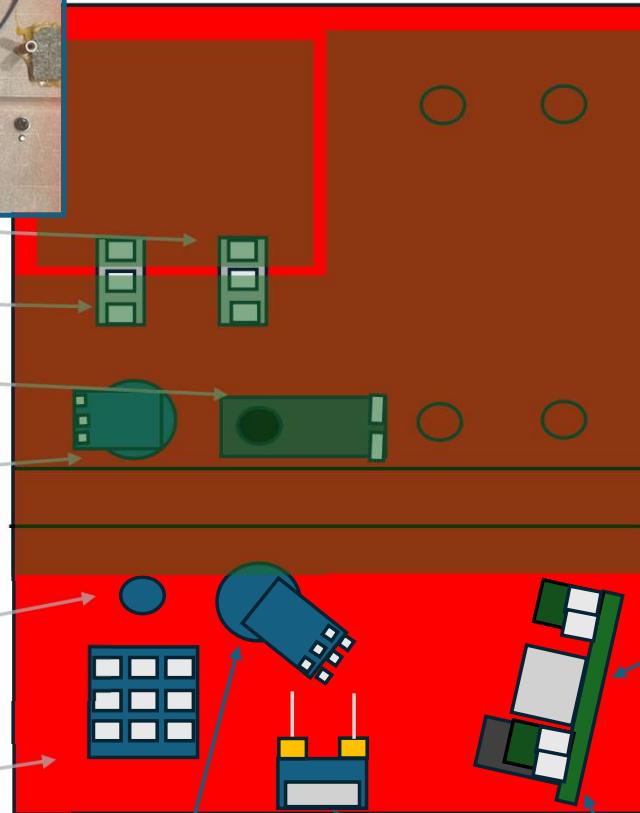
LED
7,5mm

3PDT
10mm

Blend Mix
8mm



Back



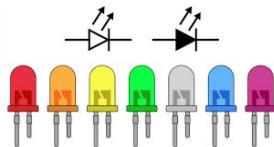
Glue it!

AC/DC
Power

Glue it!

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

Parts



1kΩ 3x

1MΩ

220Ω 2x



22-47
uF



100 nF
47 nF

ELKO/Ceramic
Condenser



Toggle Switch 2x
Midi Access /
Calibration



Momentary
(Original Part)



250kΩ
Blend



3PDT



DC/DC
Isolation



AC/DC
LM2596HV



10KΩ



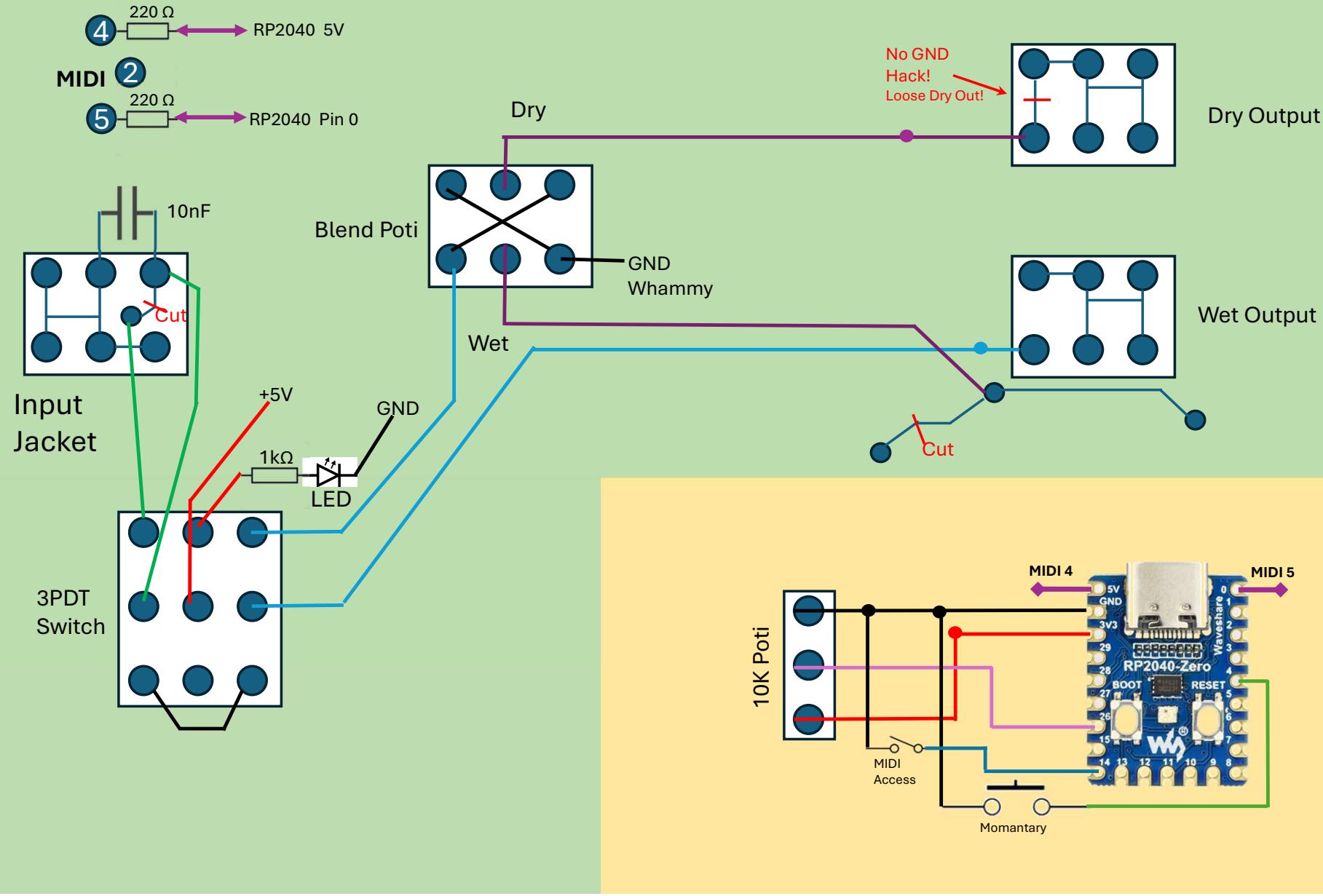
Raspberry Pi
2040 Zero

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

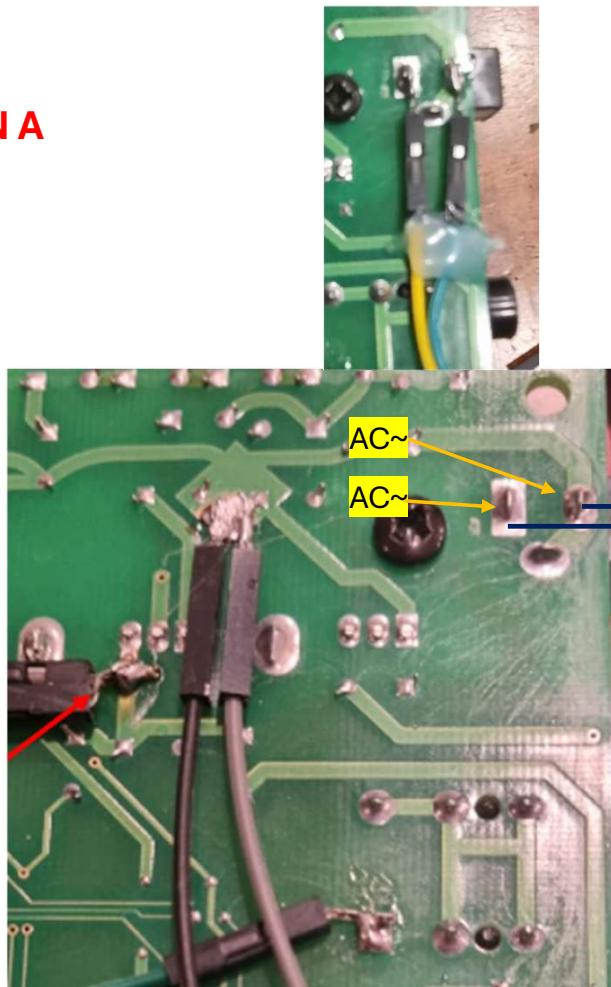
Problem is the AC/DC Converter...

Try to fix this... look PLAN B

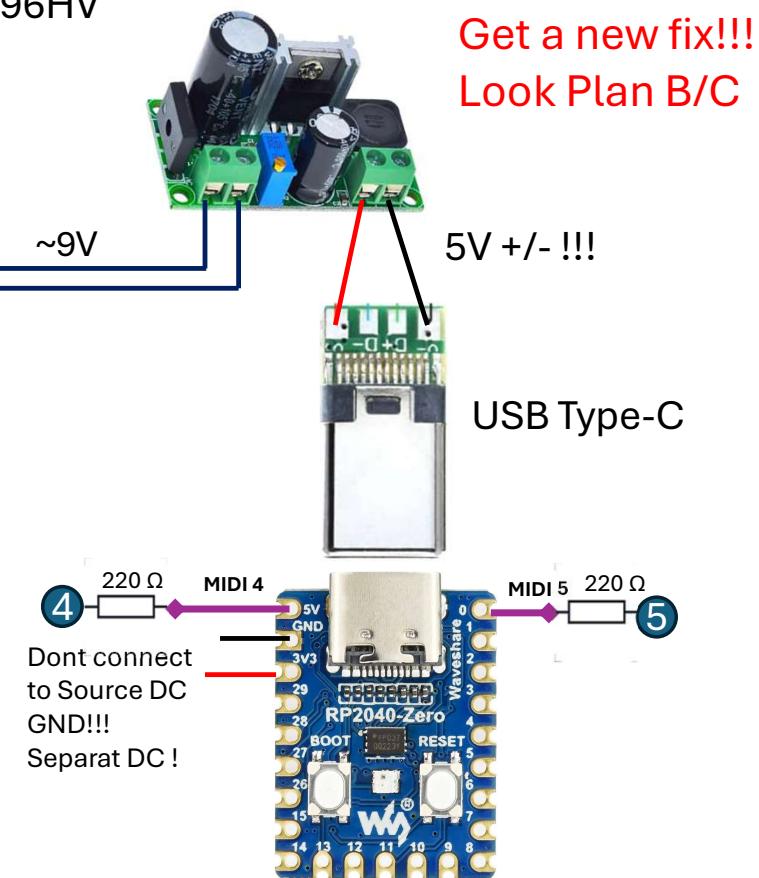




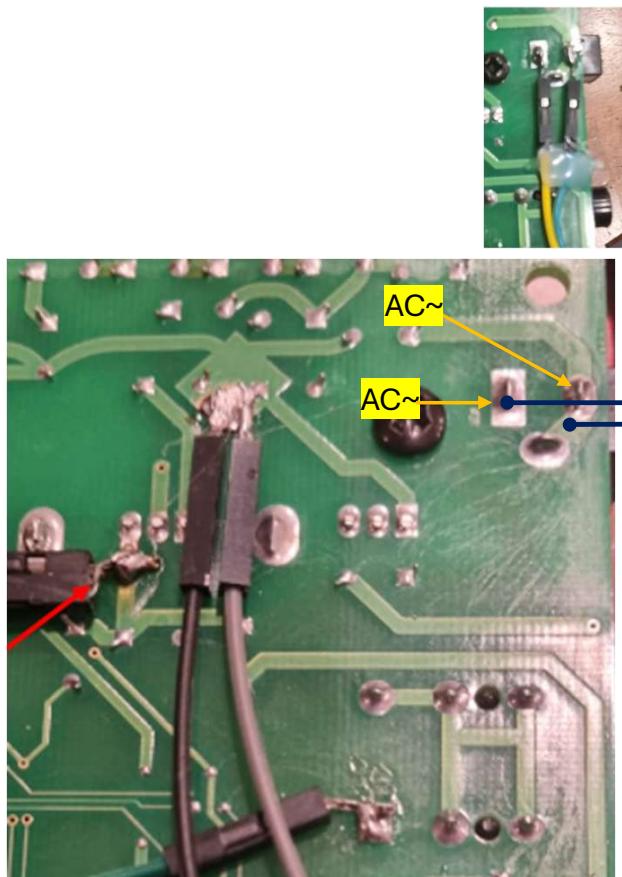
Power Supply **PLAN A**



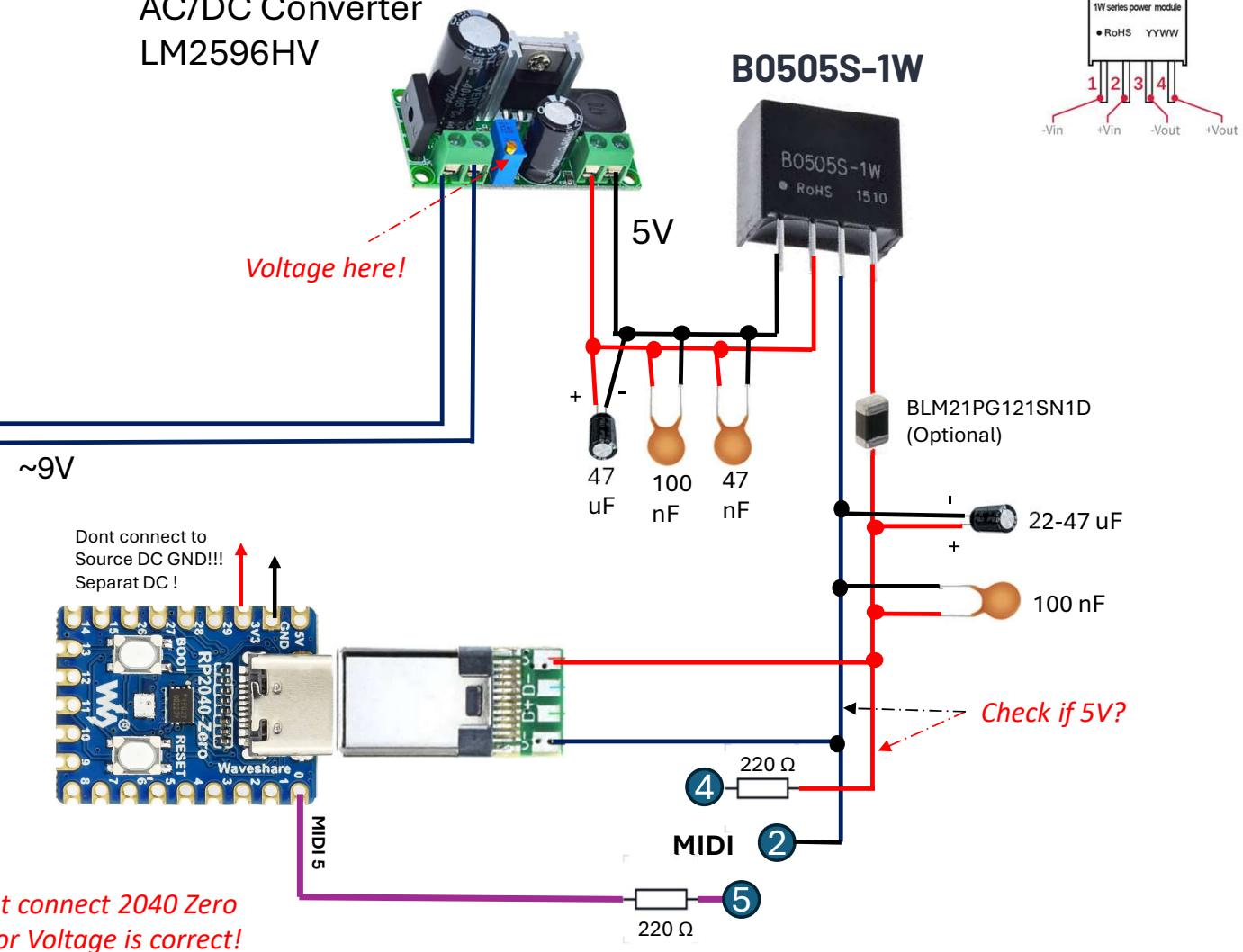
AC/DC Converter
LM2596HV



Power Supply **PLAN B**

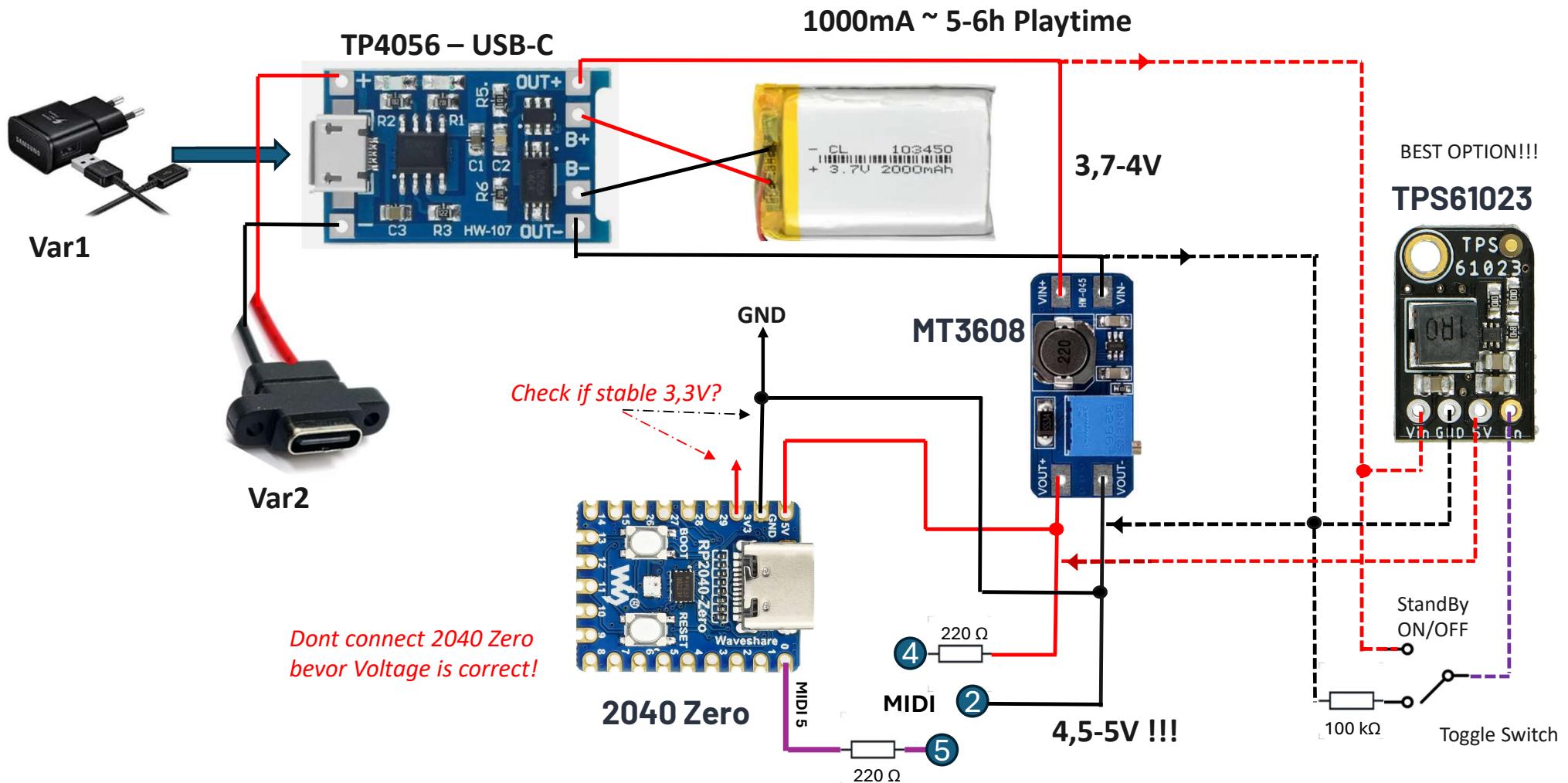


AC/DC Converter
LM2596HV

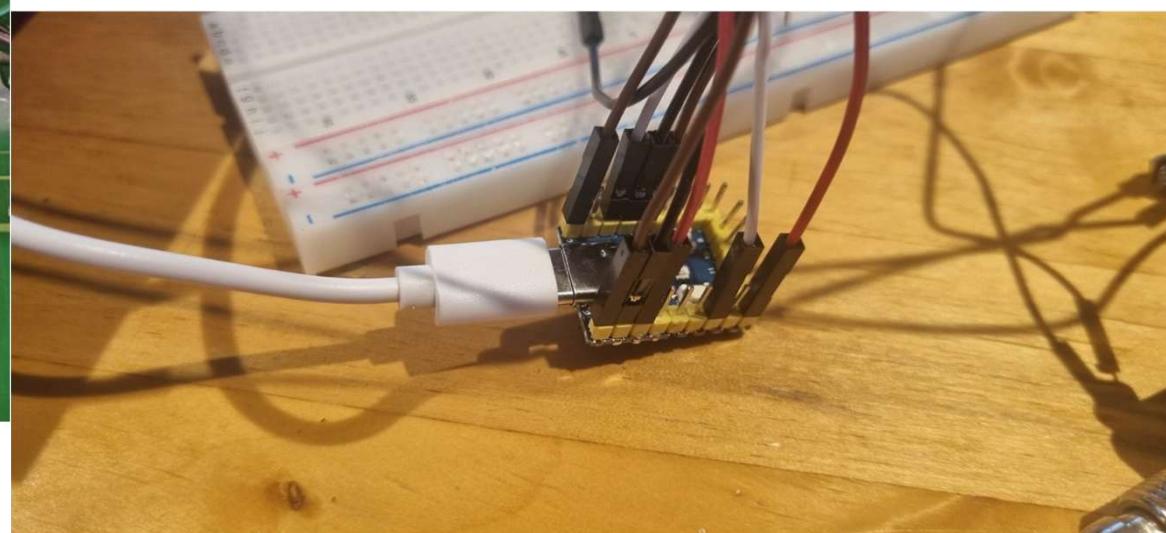
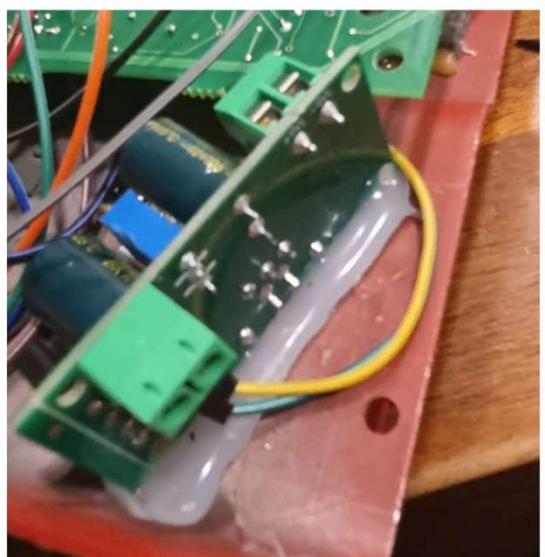
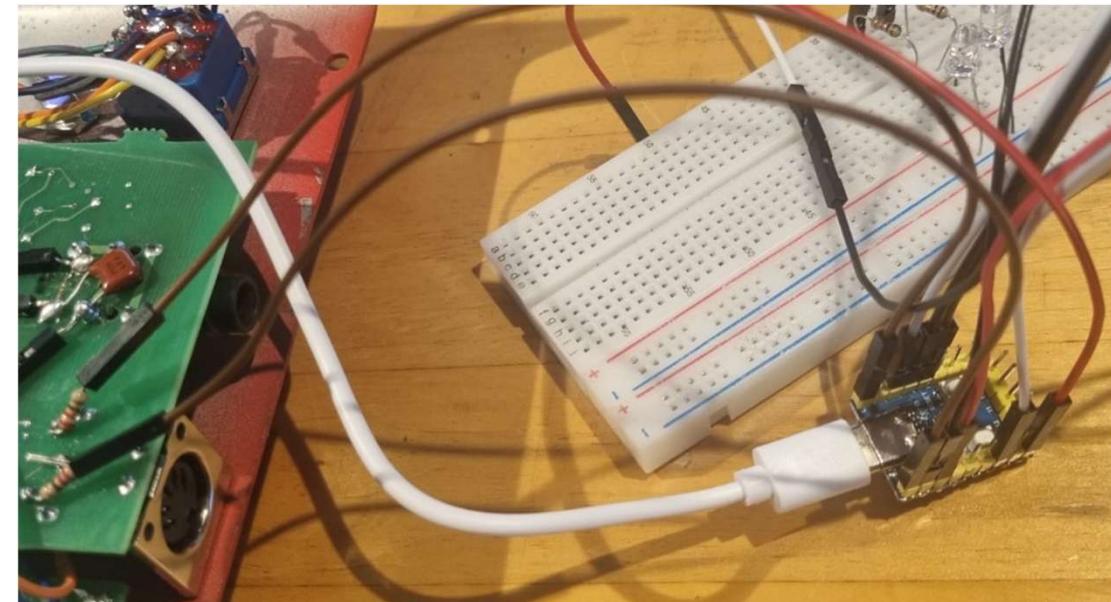
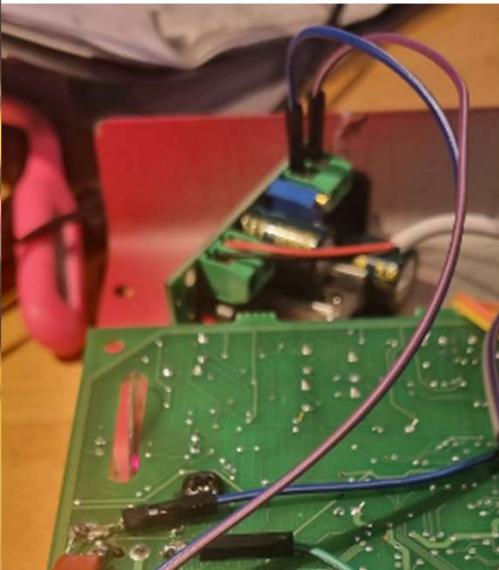
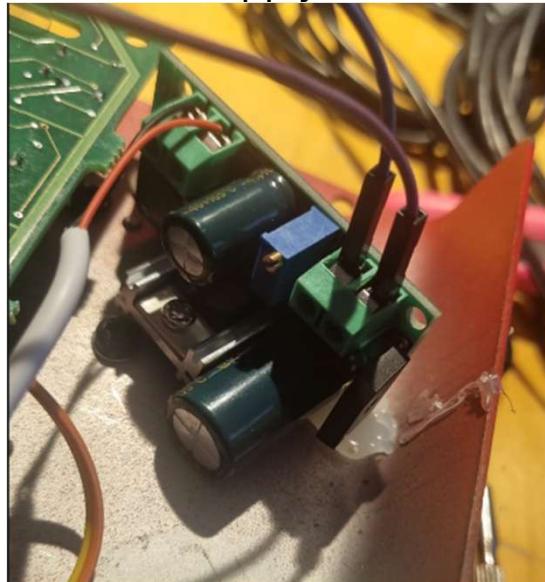


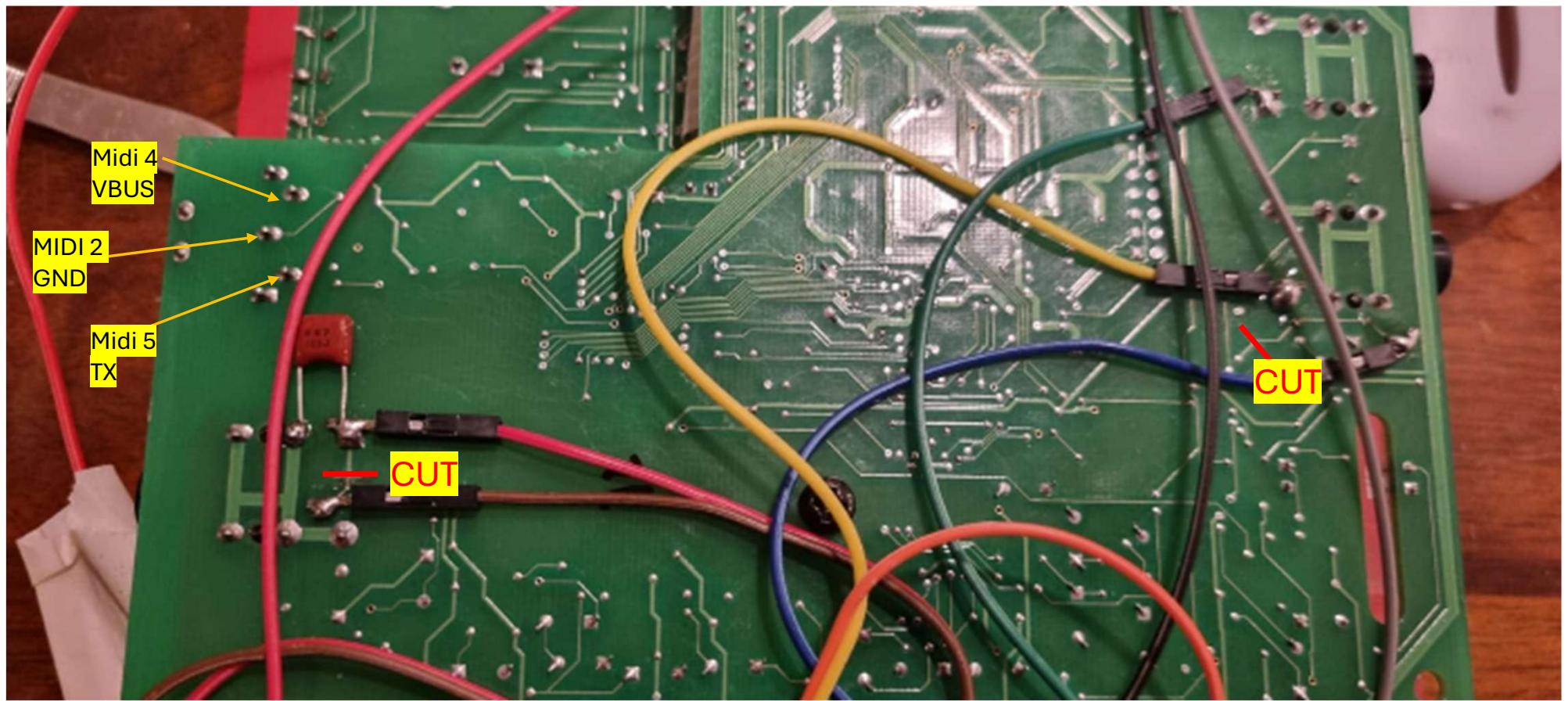
Power Supply **PLAN C**

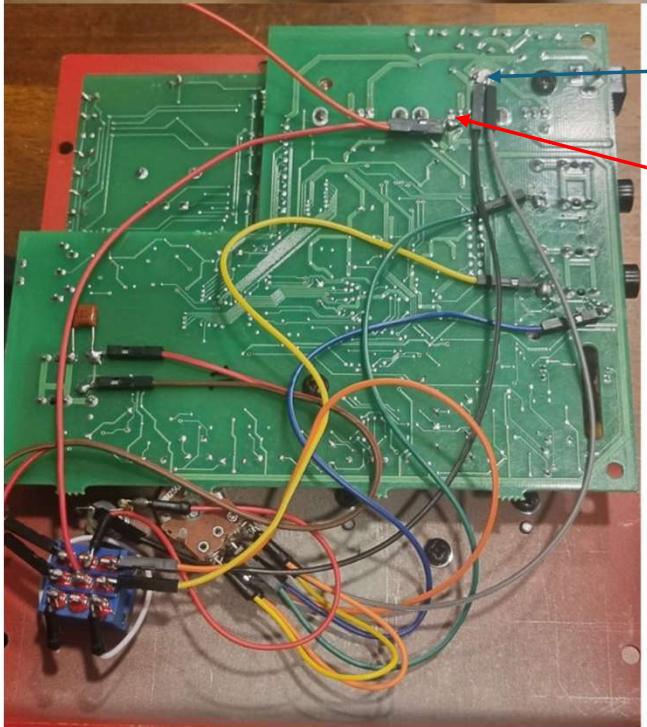
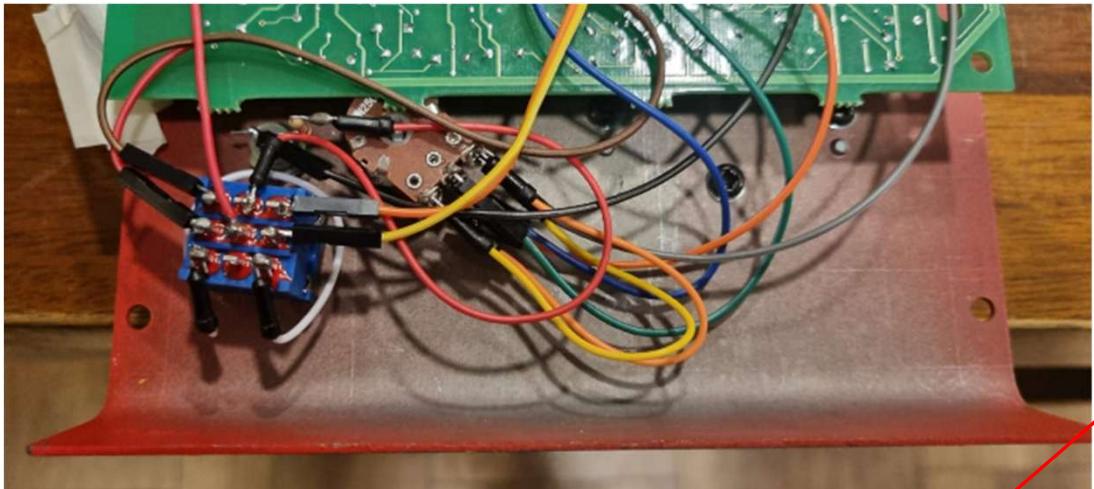
MT3605 OR TPS61023



Power Supply

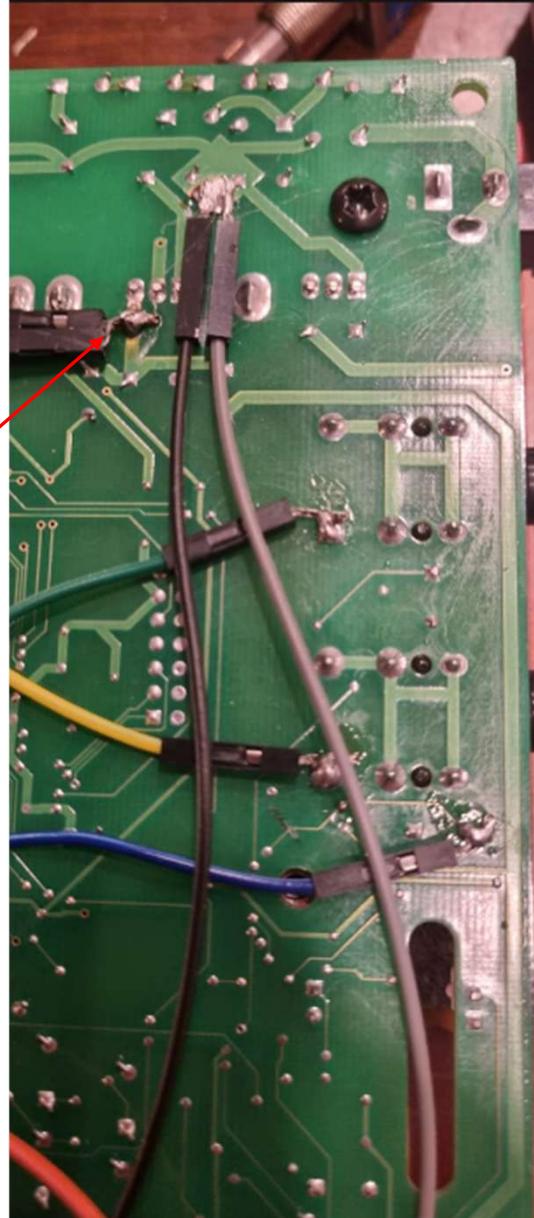


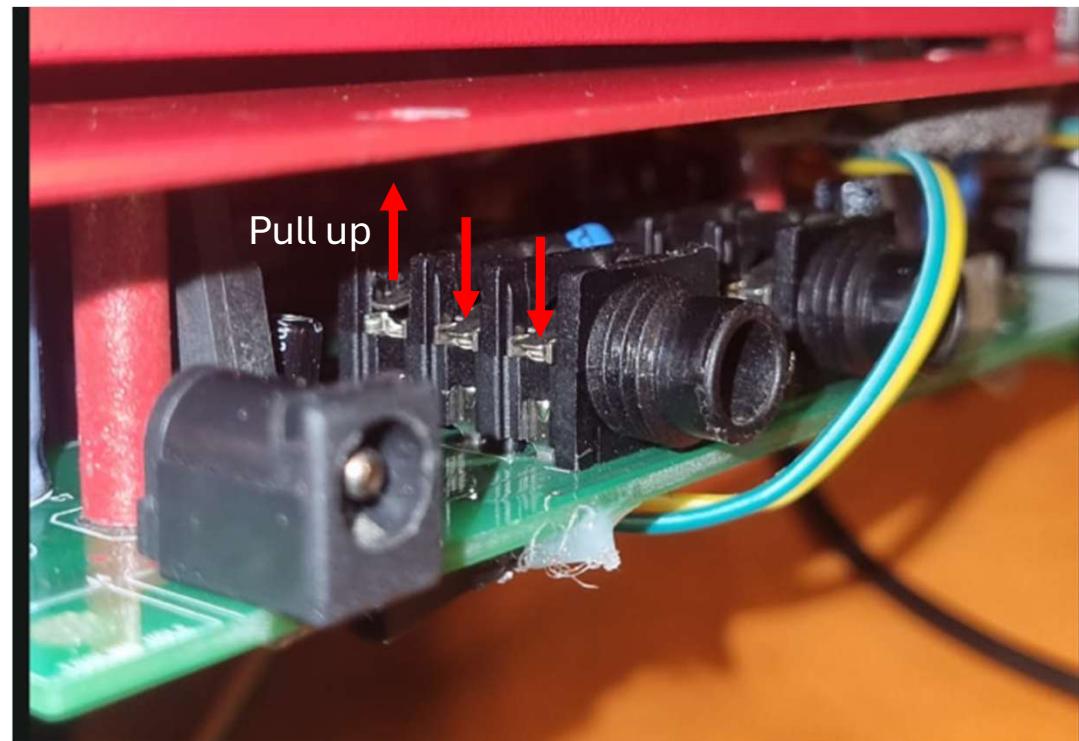
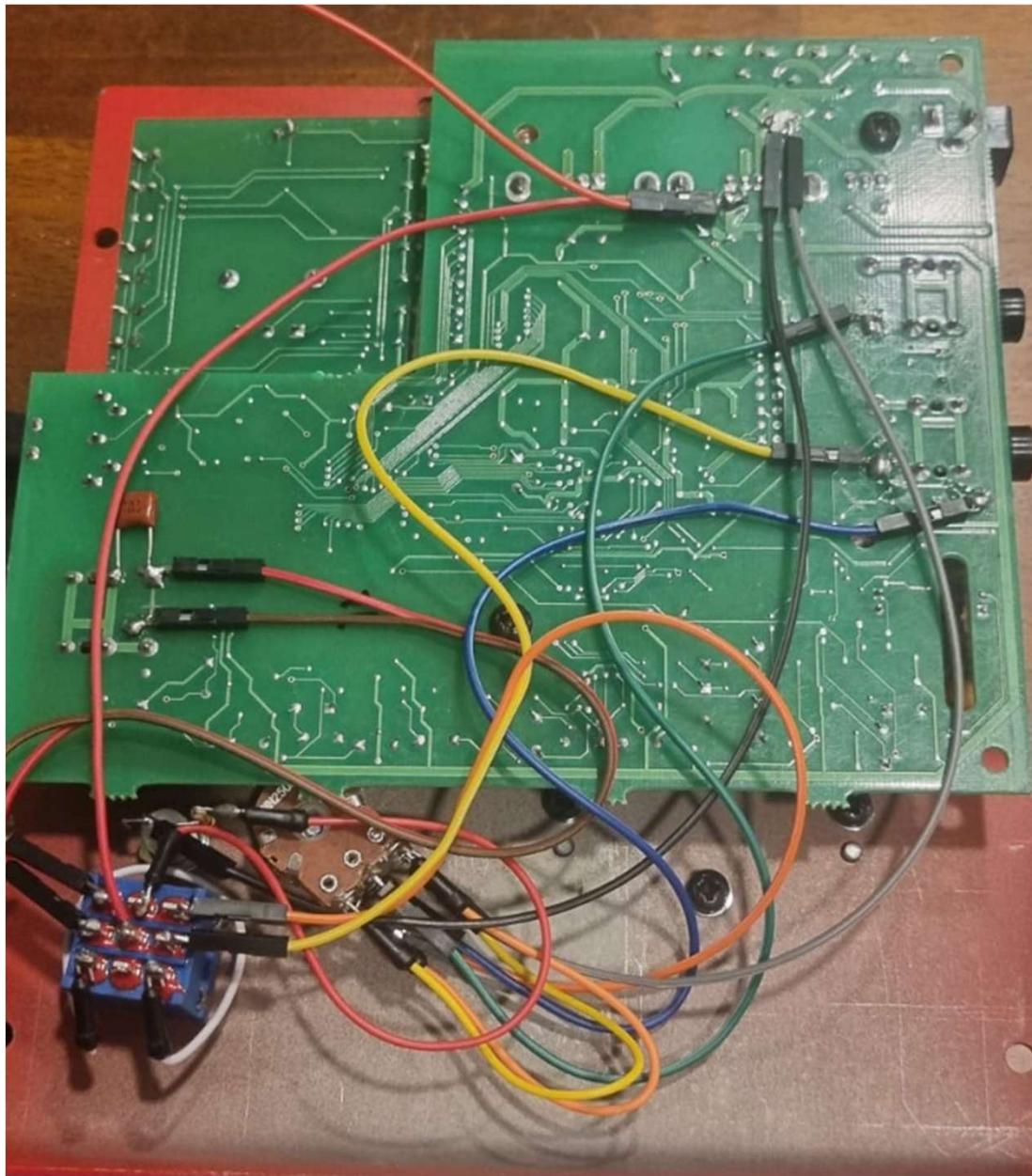




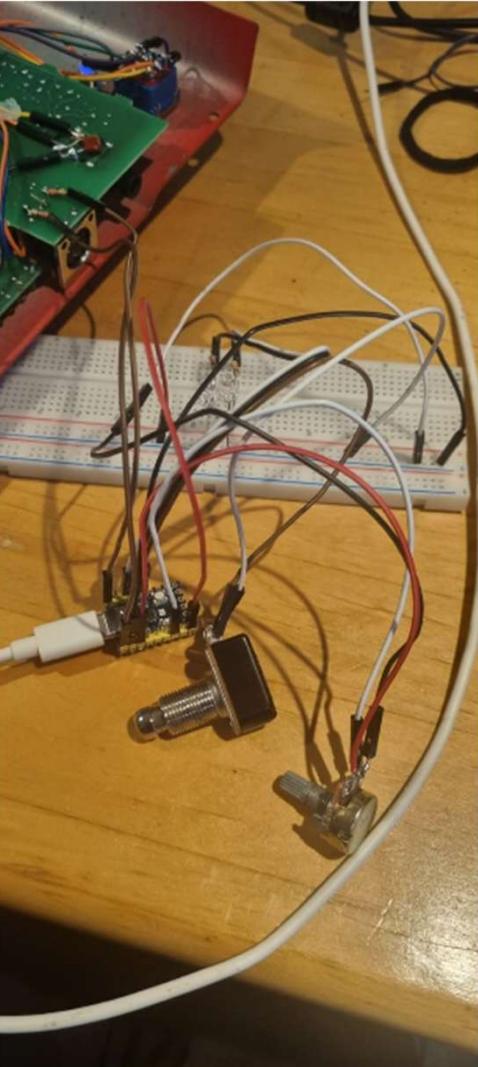
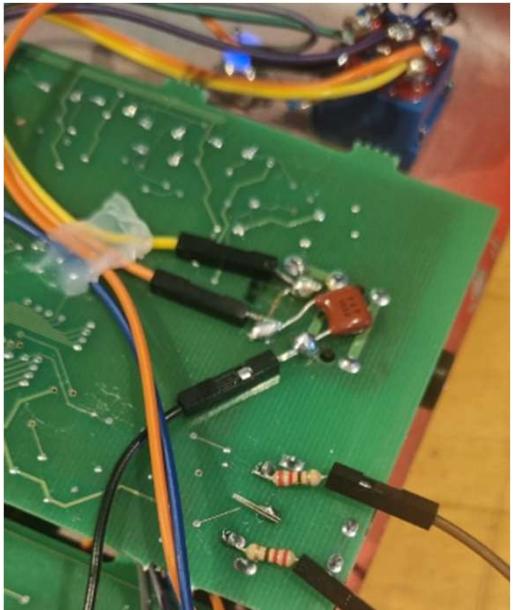
GND LED
HERE!!!

+5V LED
HERE!!!





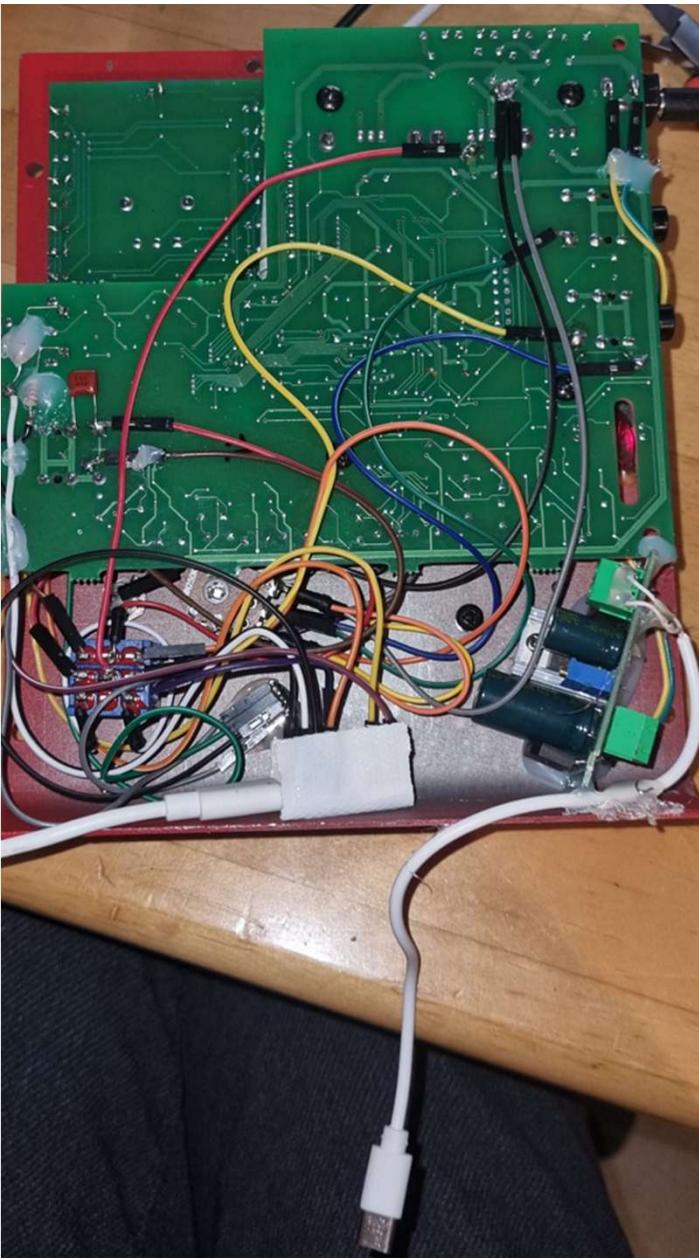
Midi Test



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

- 2 combinable effect presets

Final Front/Back



Flash NEO Software

