

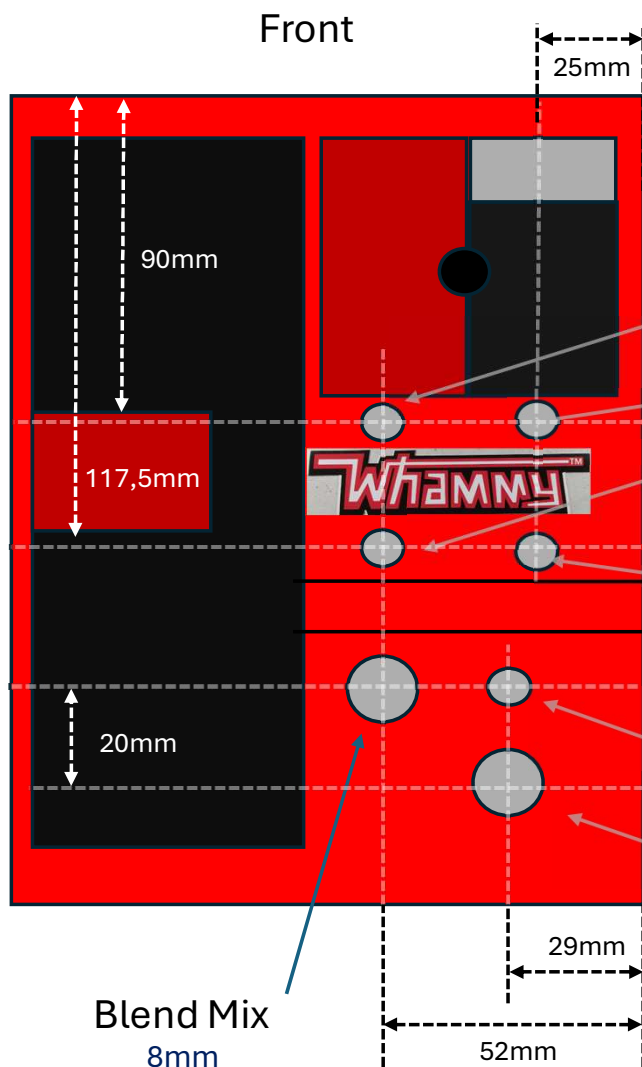
Whammy 4 - NEO - Version 1.10
By melatroid

Working Pre-Final Version

melatroid@gmail.com



- Calibration
- Midi Access
- Time
- Momantary / Change Effects
- Blend Mix
- LED On/OFF
- Effect On/OFF



Blend Mix
8mm

6mm
Calibration Switch

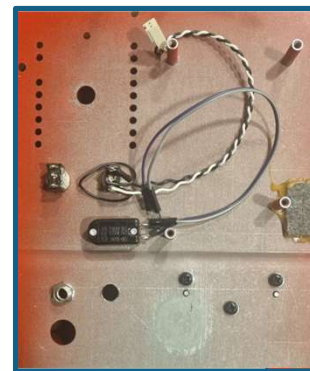
6mm
Midi Access Switch

Momentary Switch
12mm

Poti 10KOhm
7mm

LED
7,5mm

3PDT
10mm



Back

Blend Mix
8mm

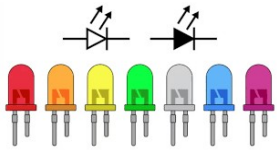
Glue it!

RP 2040 Zero
USB TO THE TOP
FOR UPDATES

AC/DC
Power

Glue it!

Parts



1k Ω 3x

1M Ω

220 Ω 2x



22-47
uF



100 nF
47 nF

ELKO/Ceramic
Condenser



Toogle Switch 2x
Midi Access /
Calibration



Momantary
(Original Part)



250k Ω
Blend



3PDT

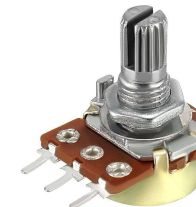
B0505S-1W



AC/DC
LM2596HV

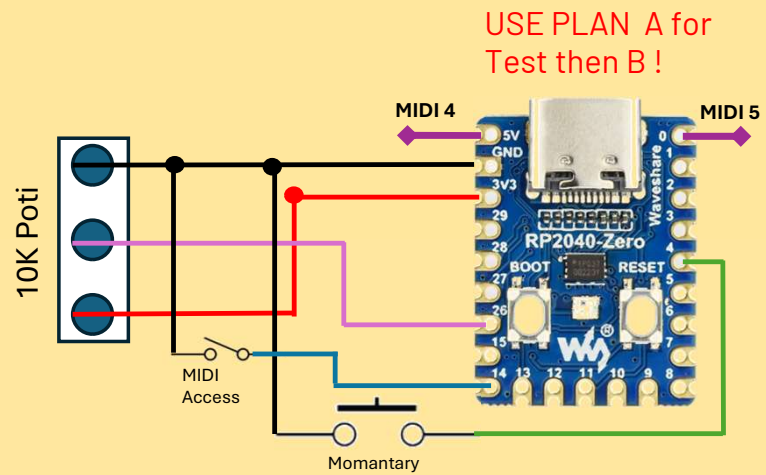
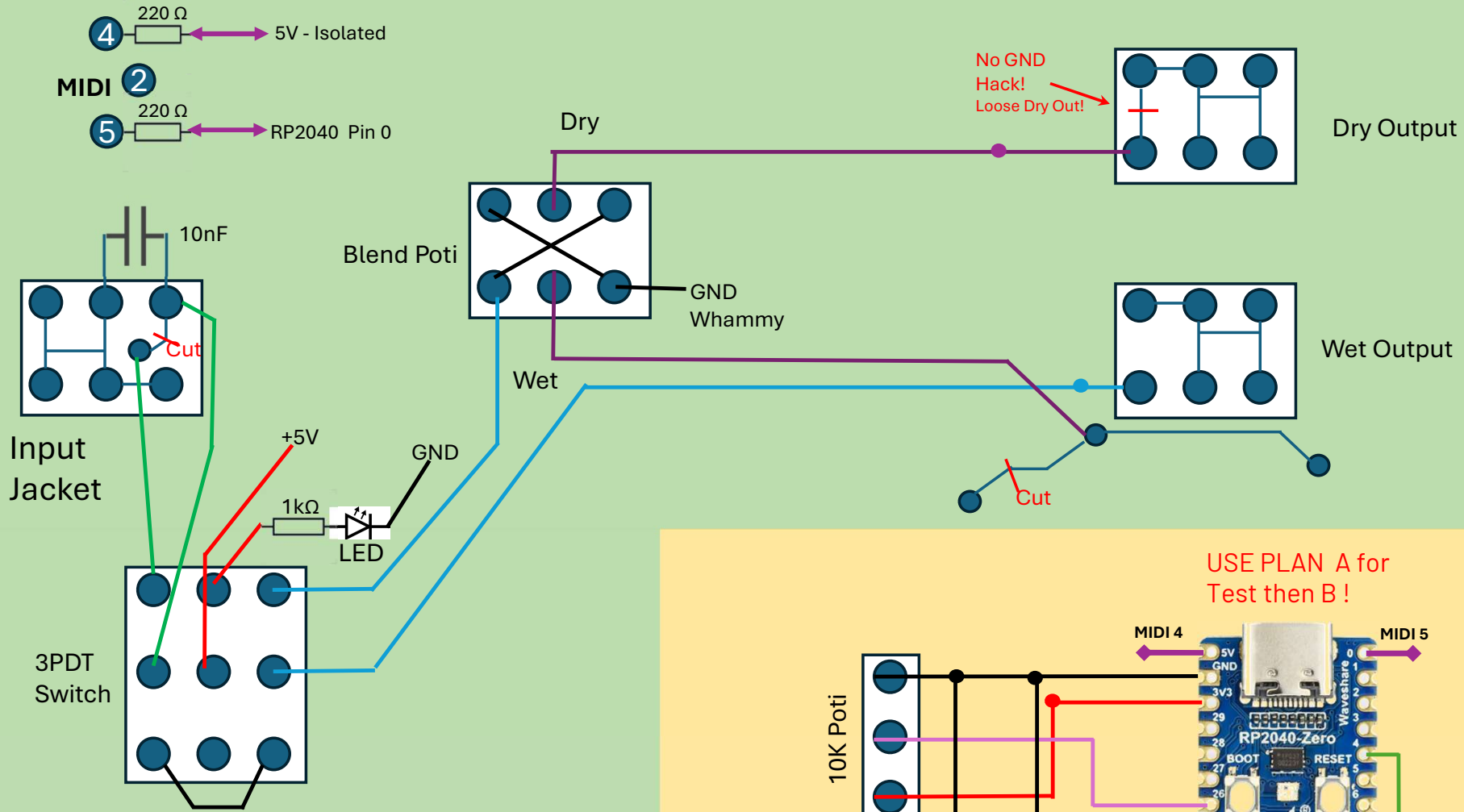


10K Ω

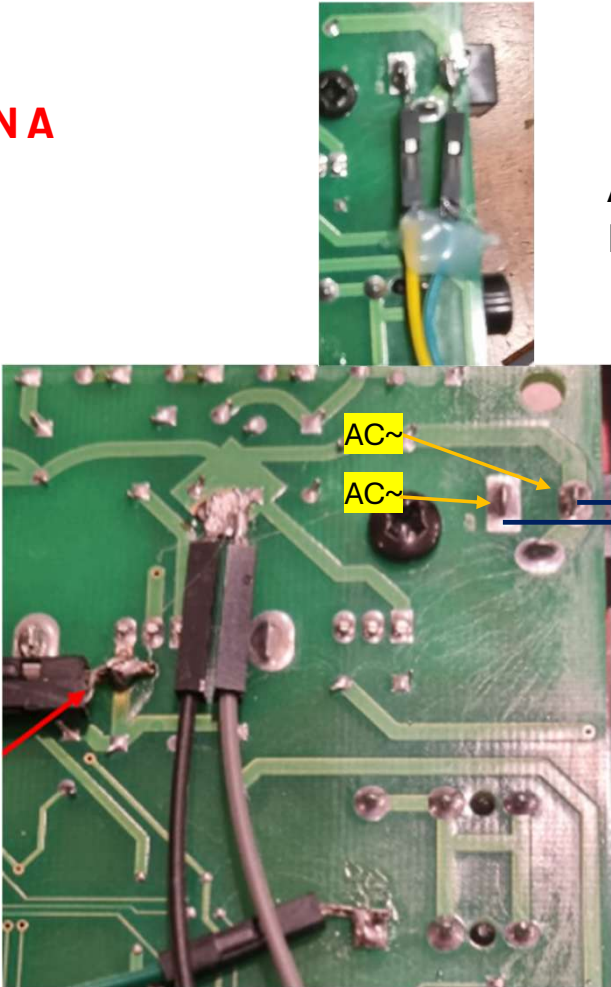


Raspberry Pi
2040 Zero

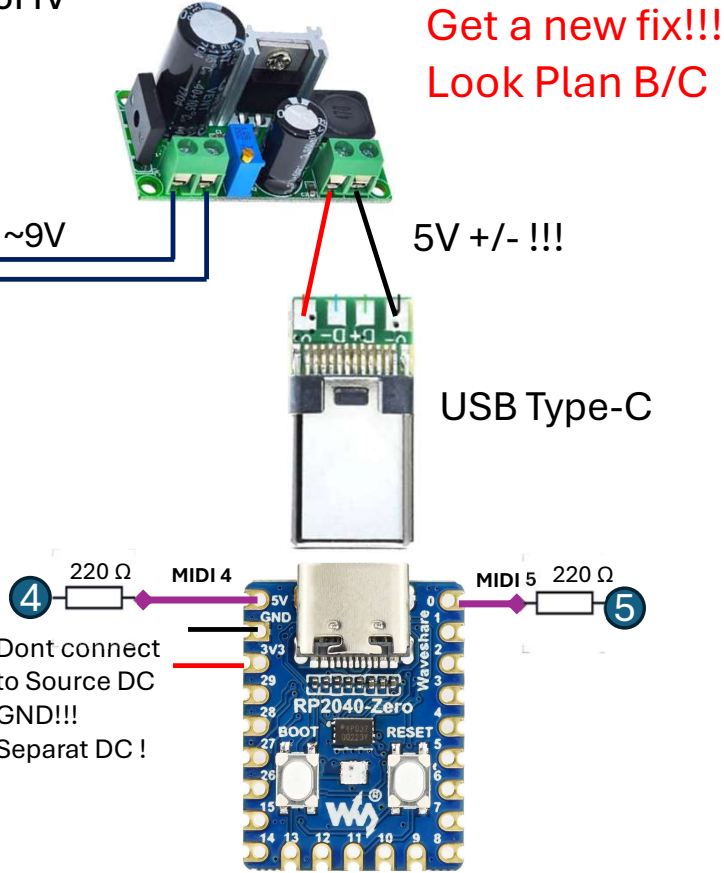




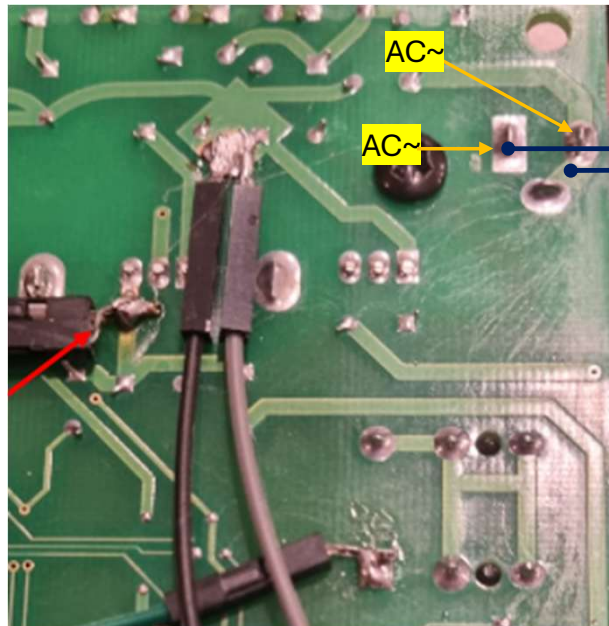
Power Supply **PLAN A**
TEST ONLY!



AC/DC Converter
LM2596HV

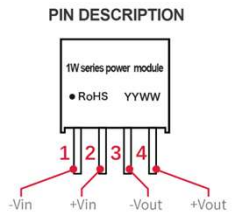


Power Supply **PLAN B**



AC/DC Converter
LM2596HV

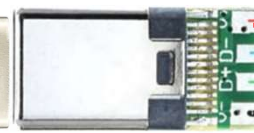
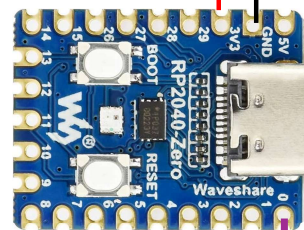
B0505S-1W



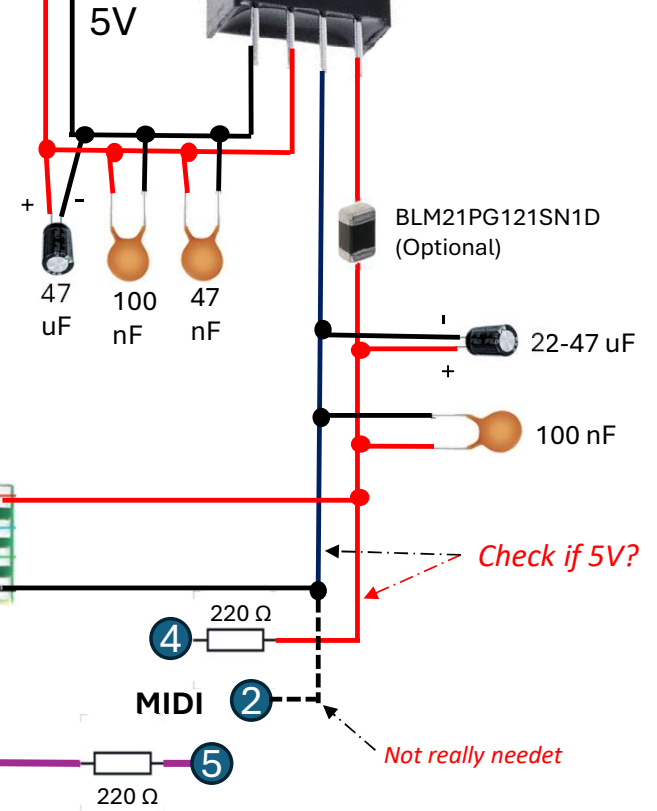
Voltage here!

~9V

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



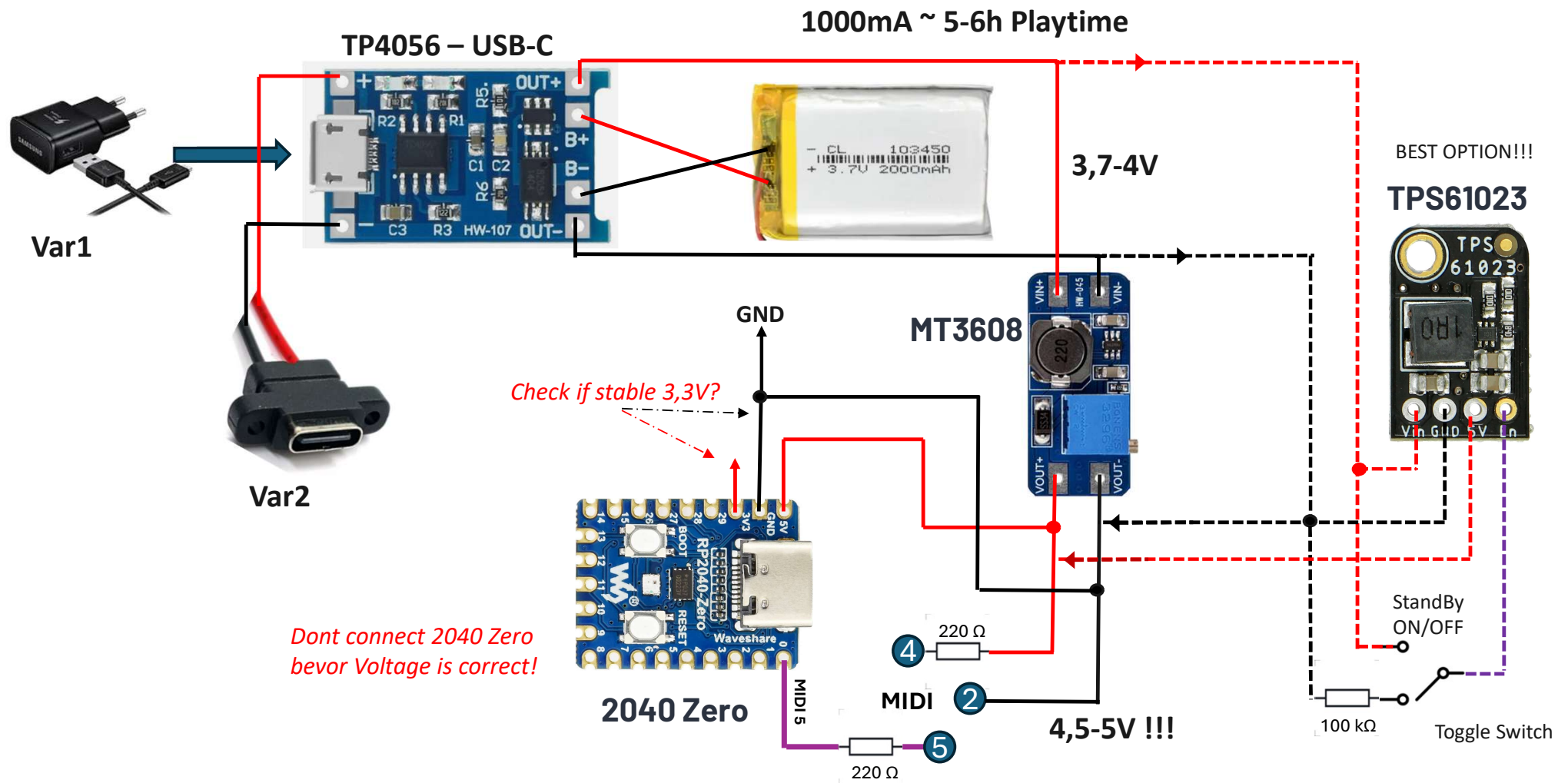
MIDI 5



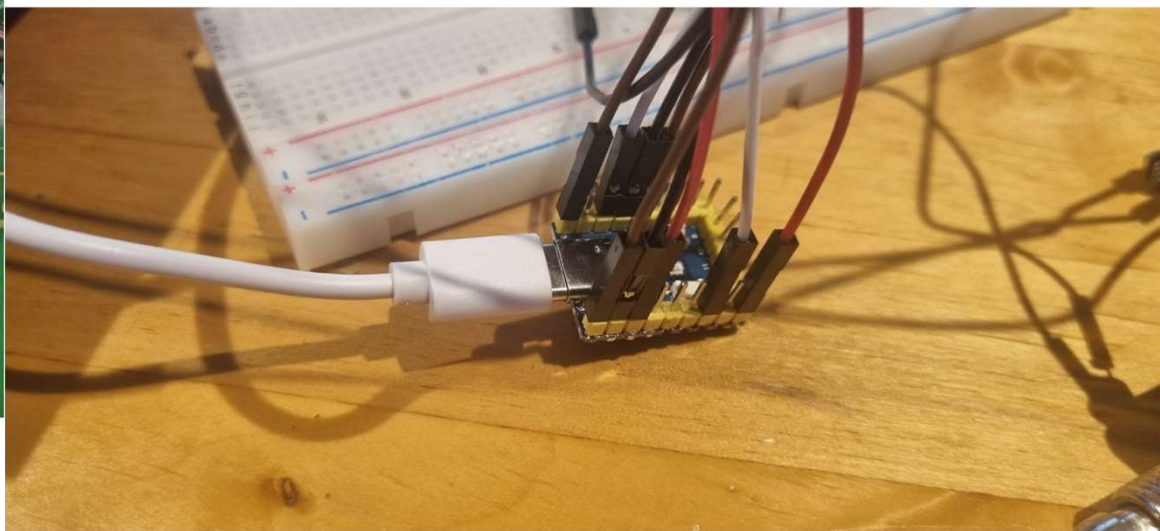
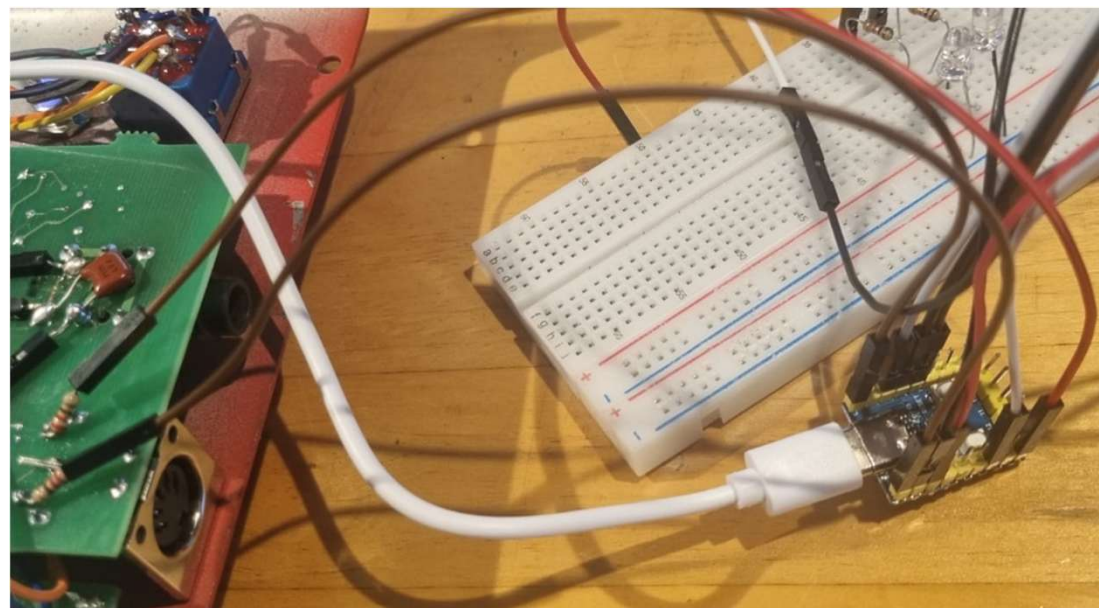
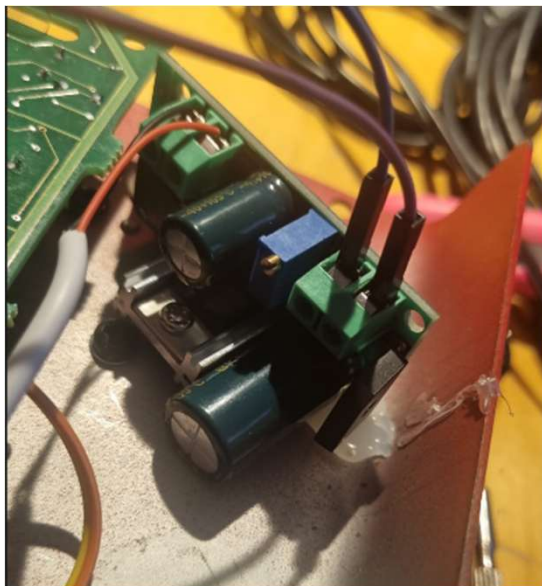
Dont connect 2040 Zero
bevor Voltage is correct!

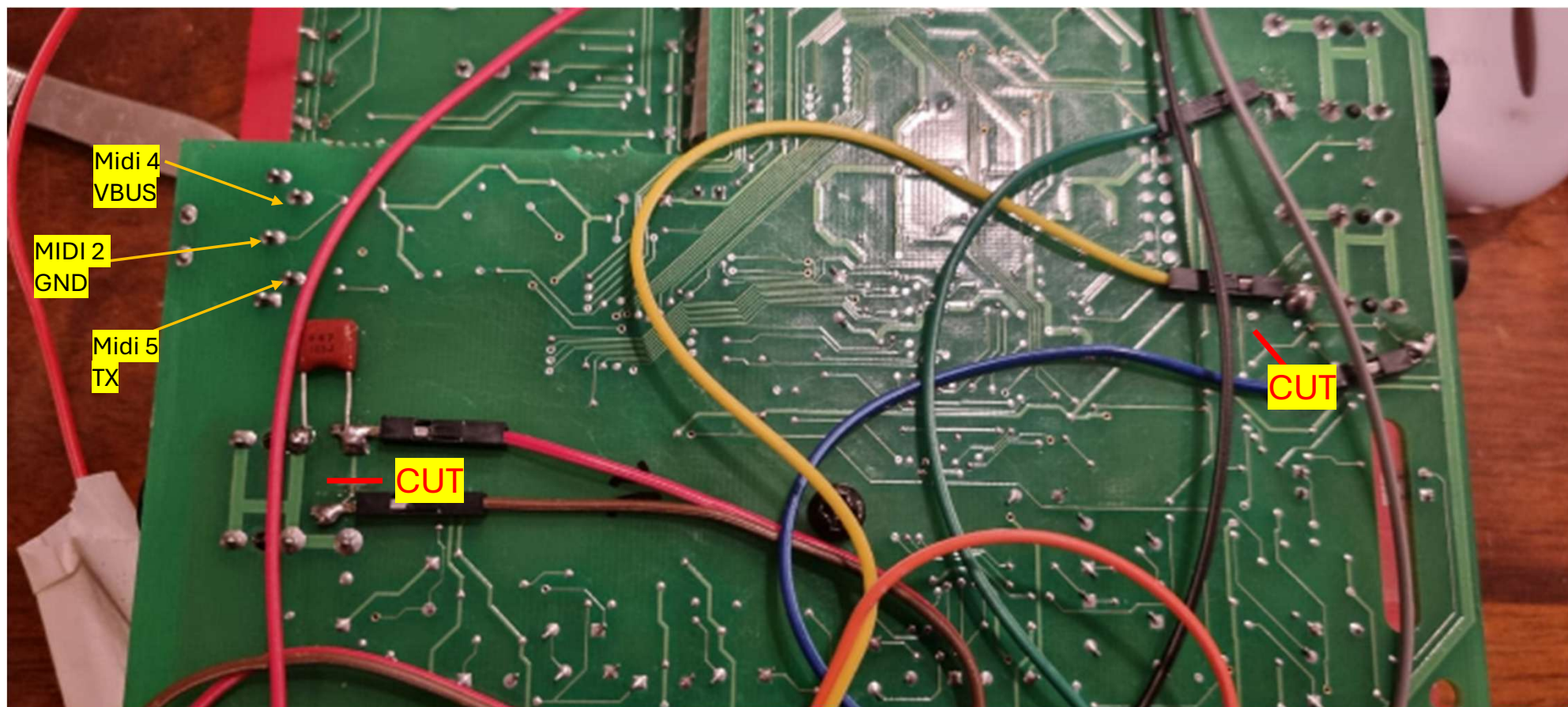
Power Supply **PLAN C**

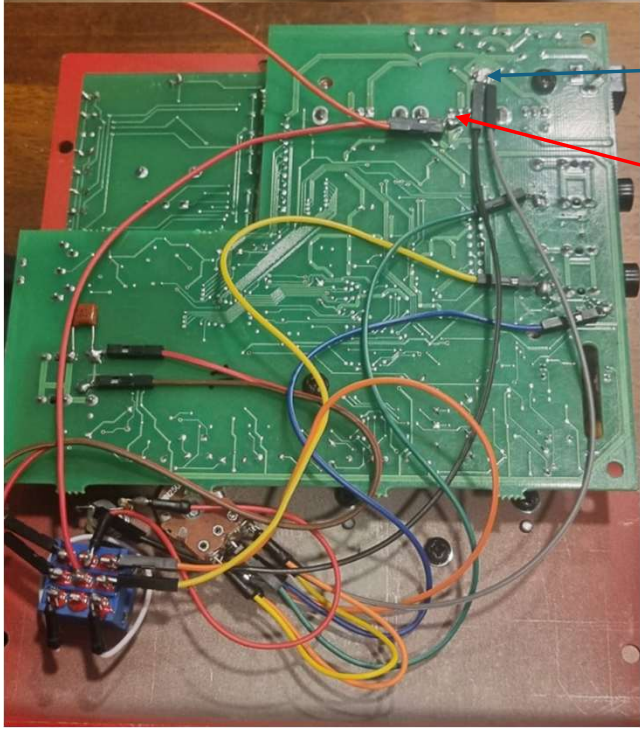
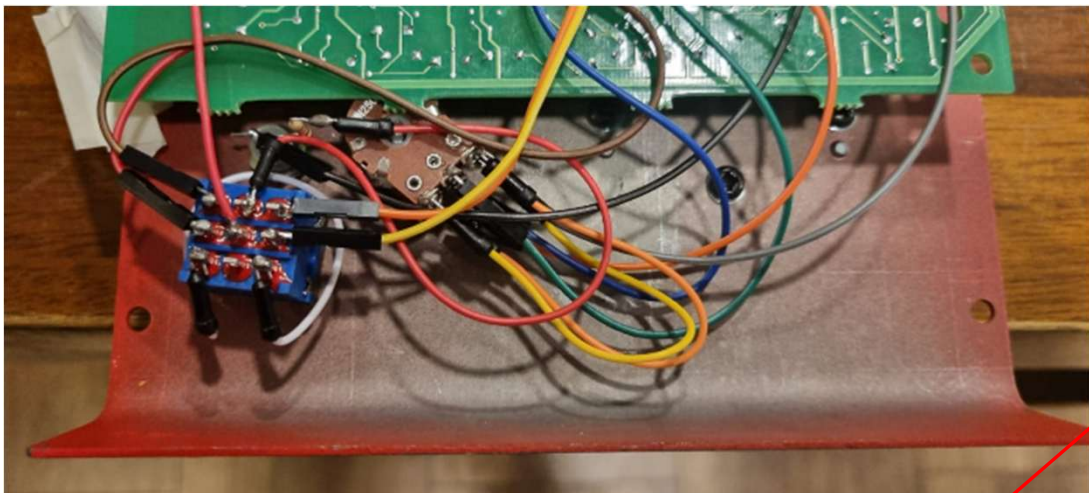
MT3605 OR TPS61023



Power Supply Test

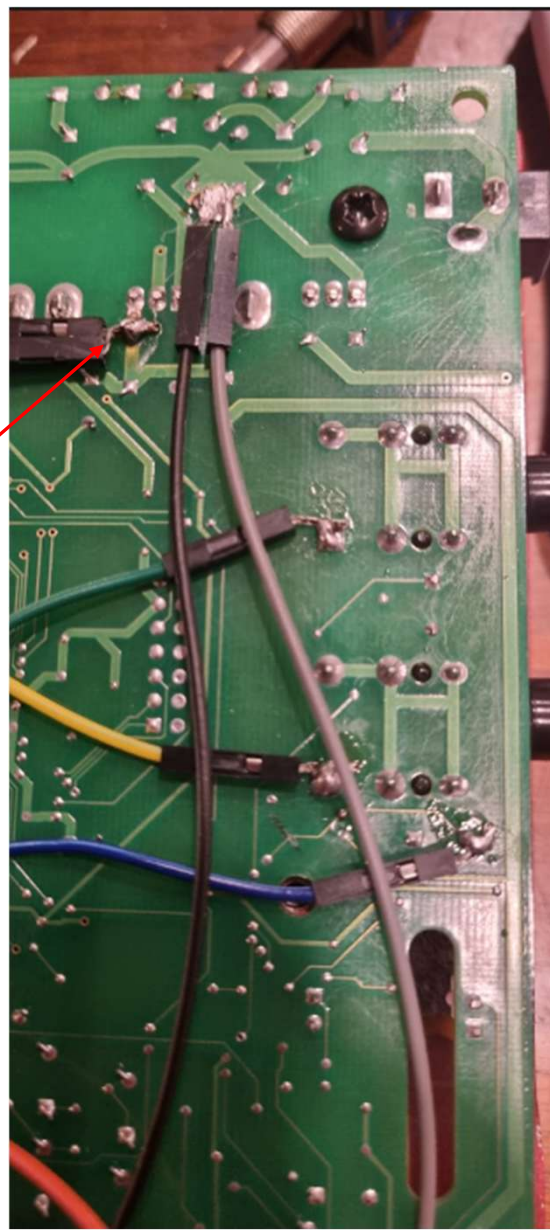


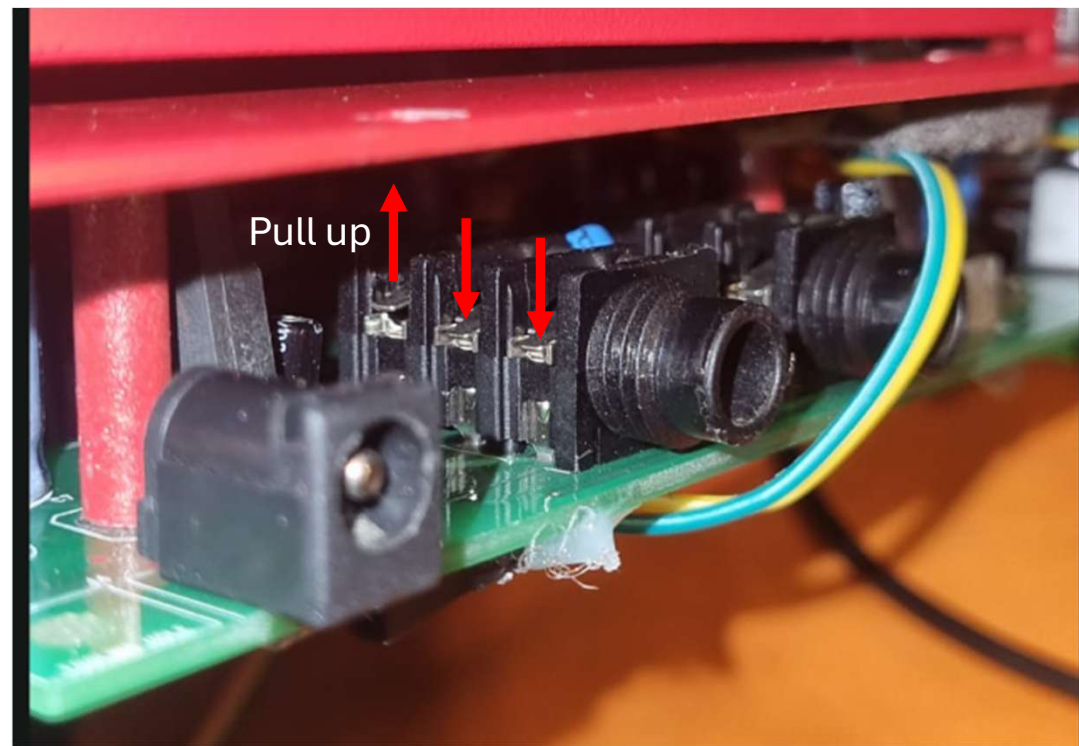
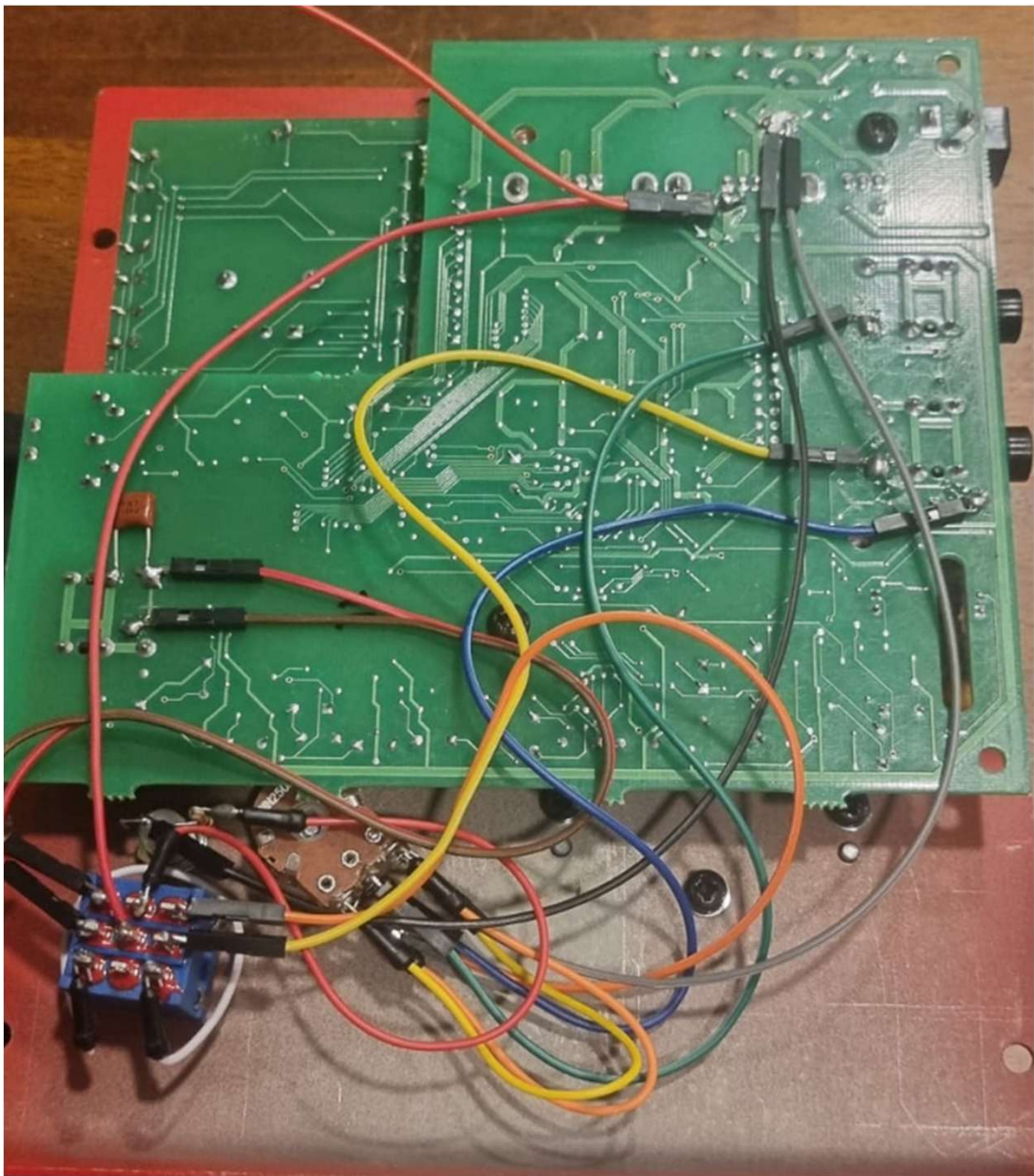




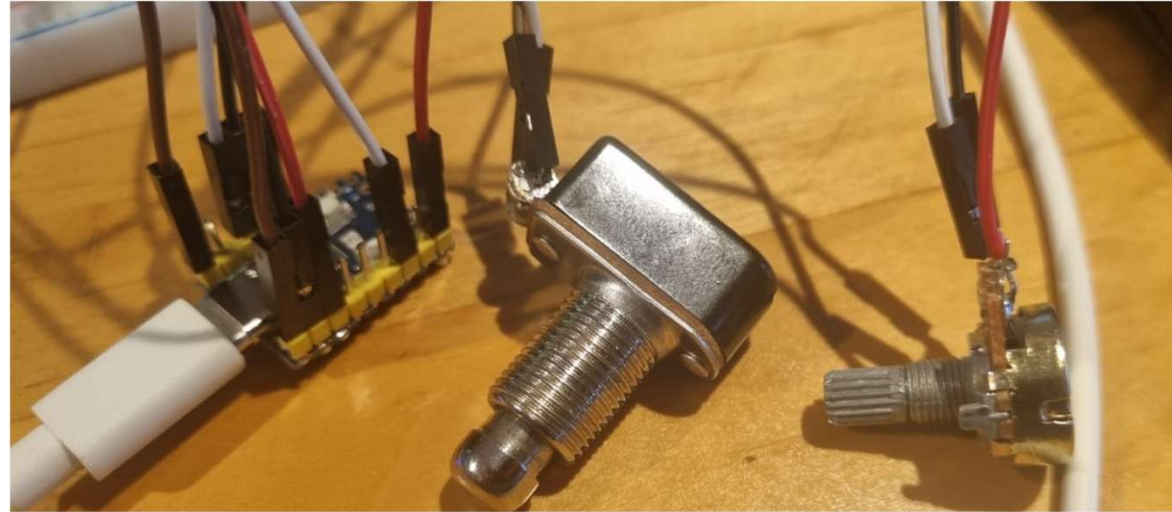
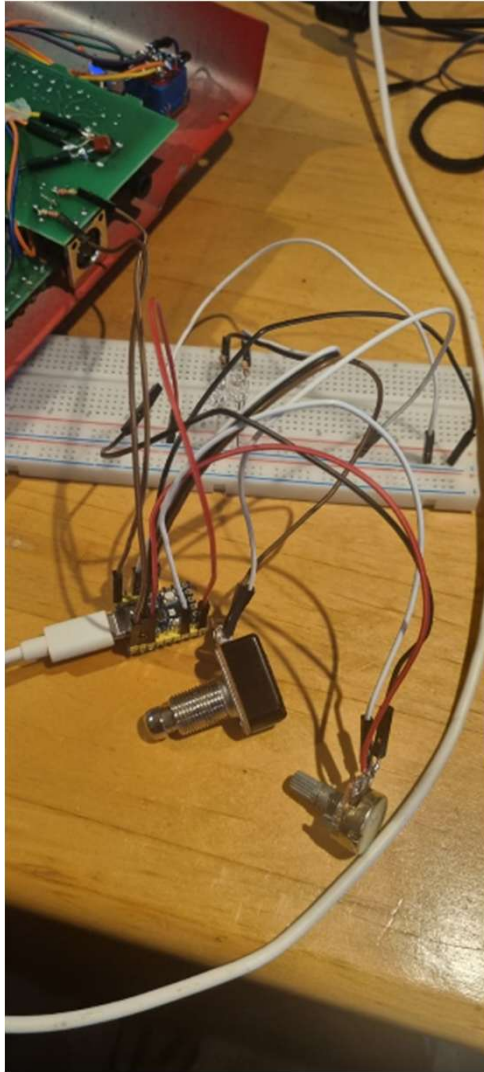
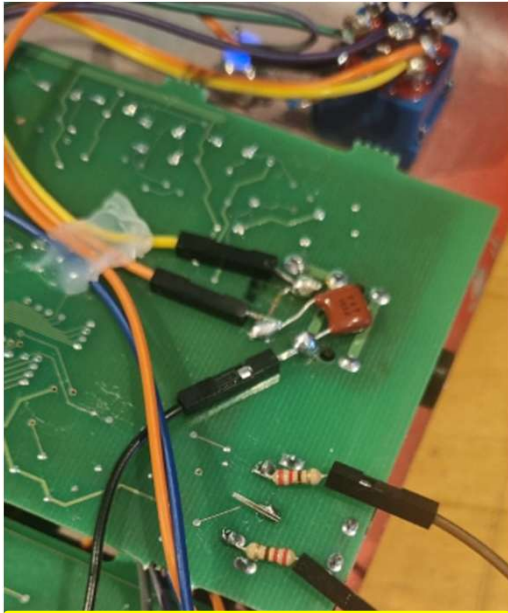
GND LED
HERE!!!

+5V LED
HERE!!!





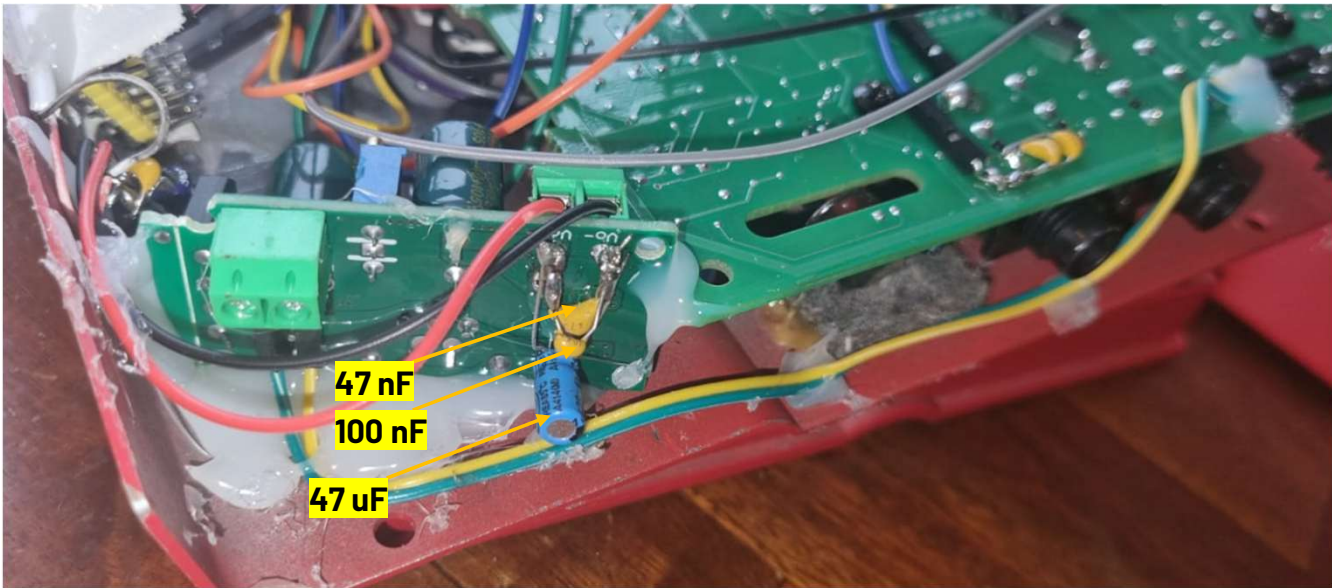
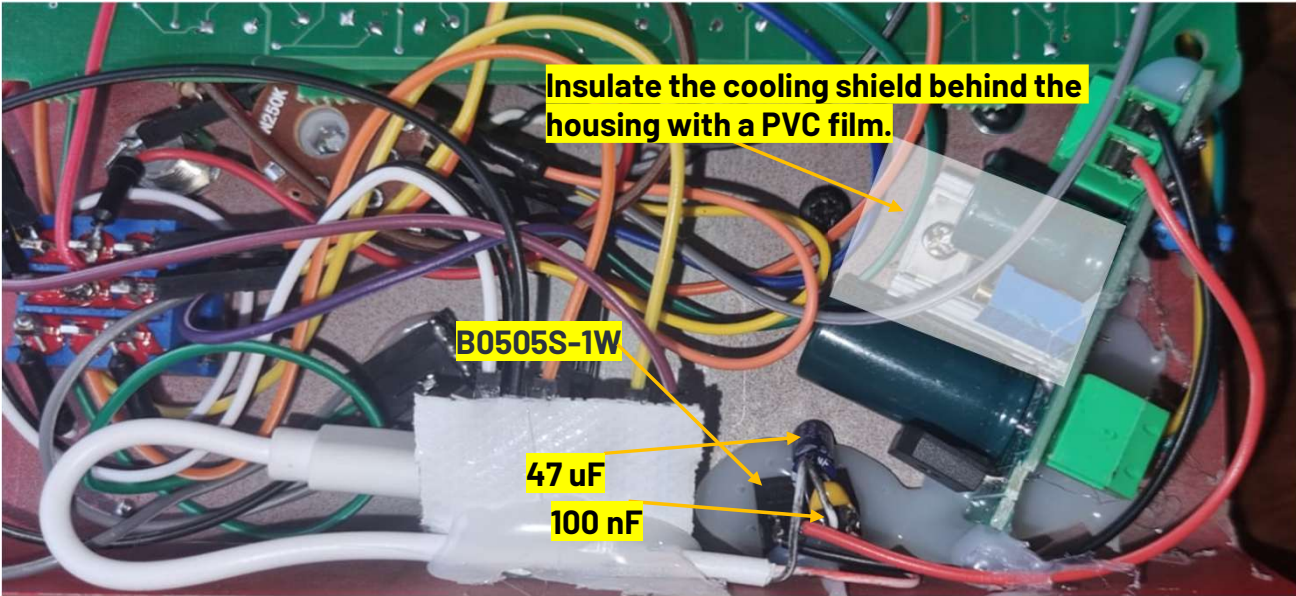
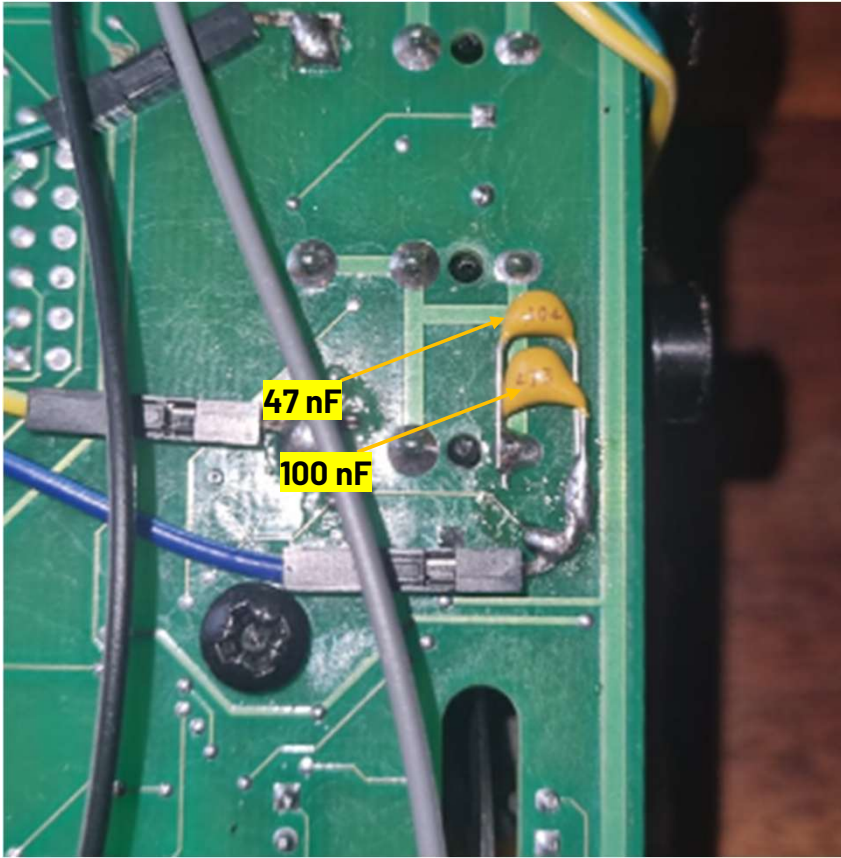
Midi Test



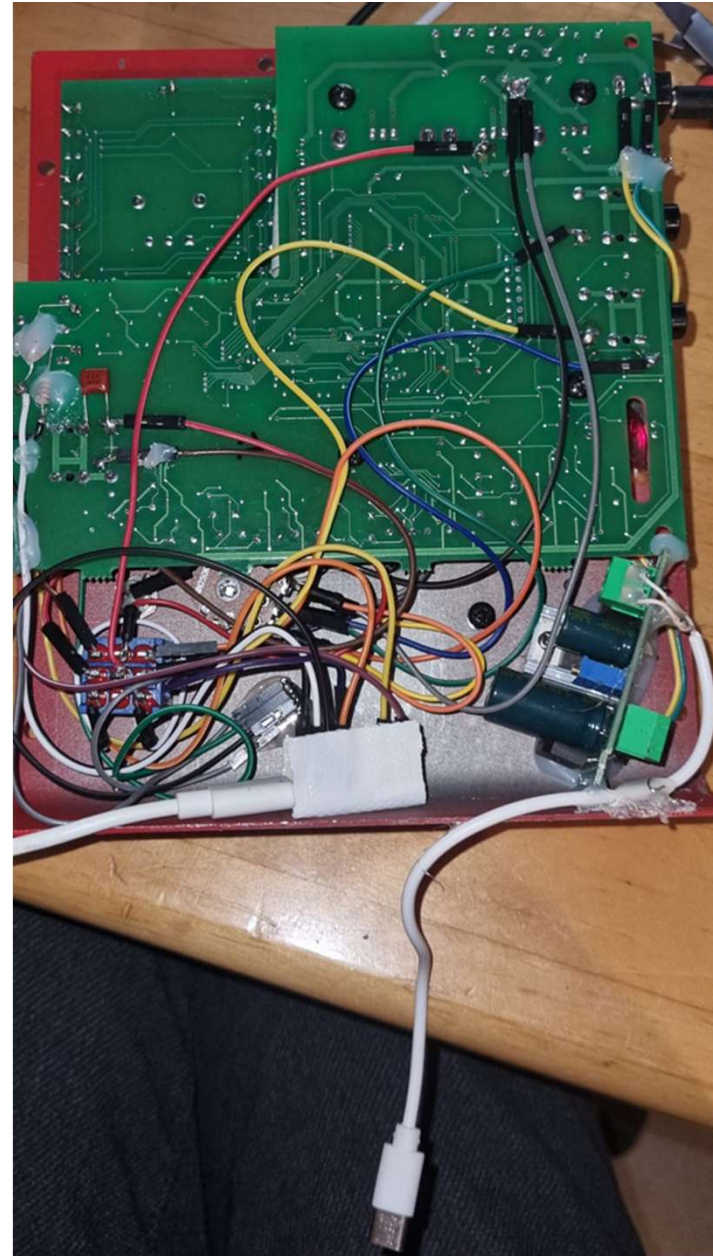
<https://youtube.com/shorts/wjgEext1rCg>

- 2 combinable effect presets

Anti- Noise-Filter



Final Front/Back



**Flash NEO
Software**

