

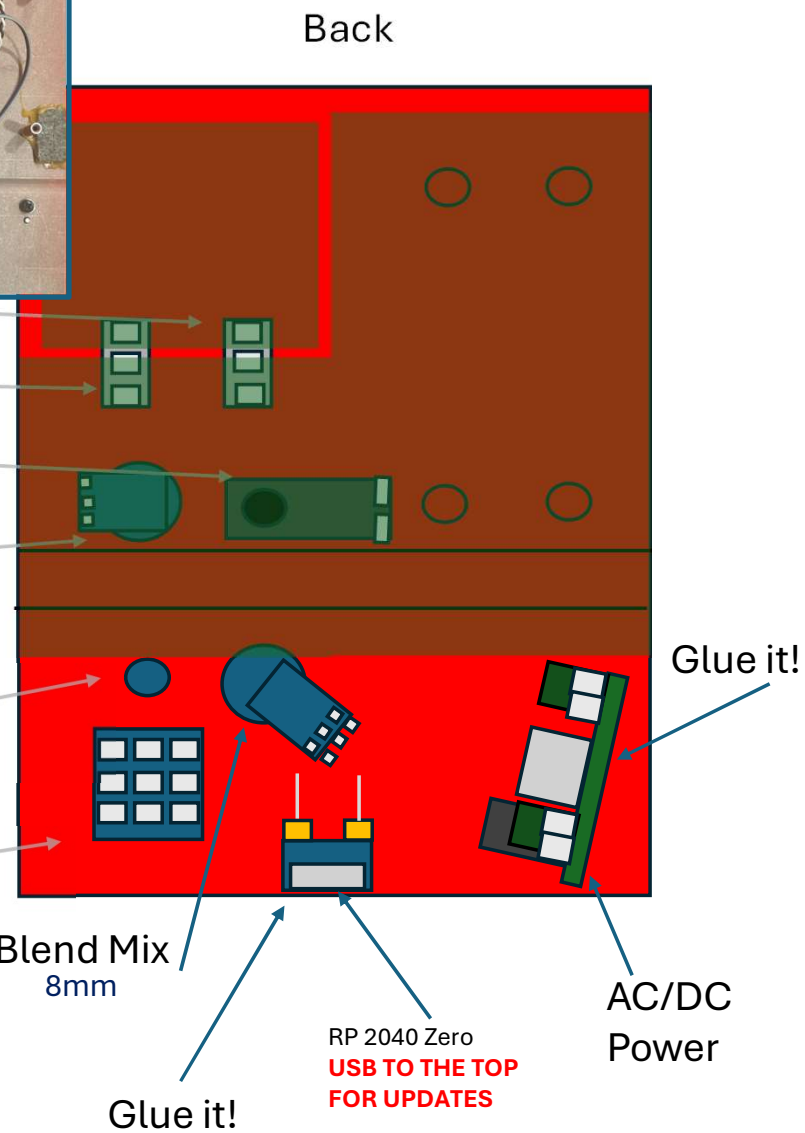
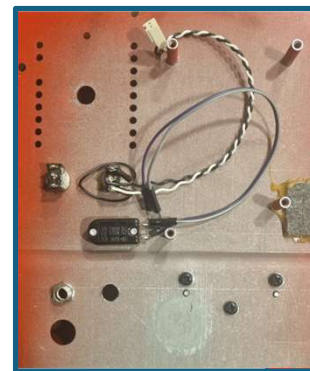
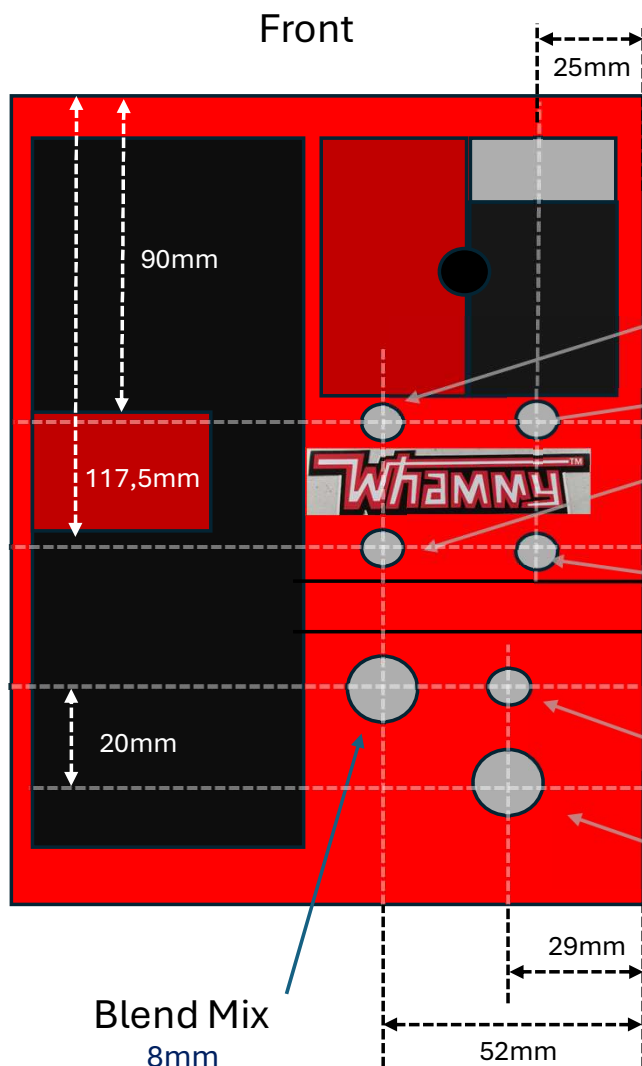
Whammy 4 – Version 1.09
By melatroid

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

Blend Mix
8mm

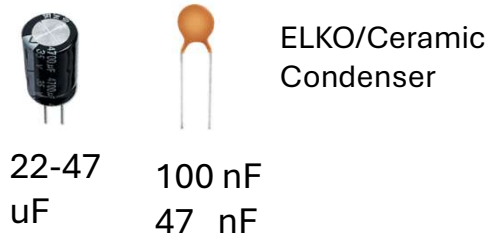
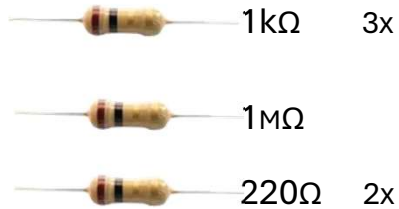
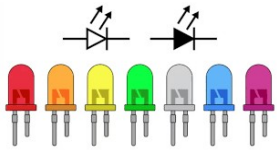
RP 2040 Zero
USB TO THE TOP
FOR UPDATES

AC/DC
Power

Glue it!

Glue it!

Parts



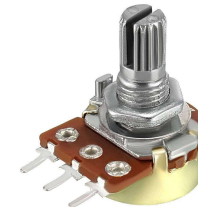
DC/DC
Isolation



AC/DC
LM2596HV



10KΩ



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

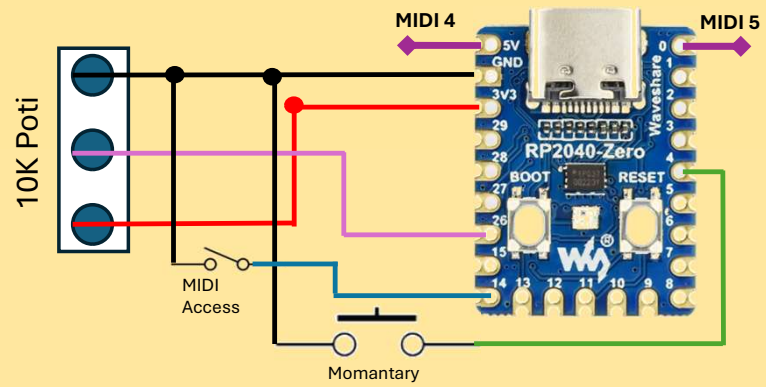
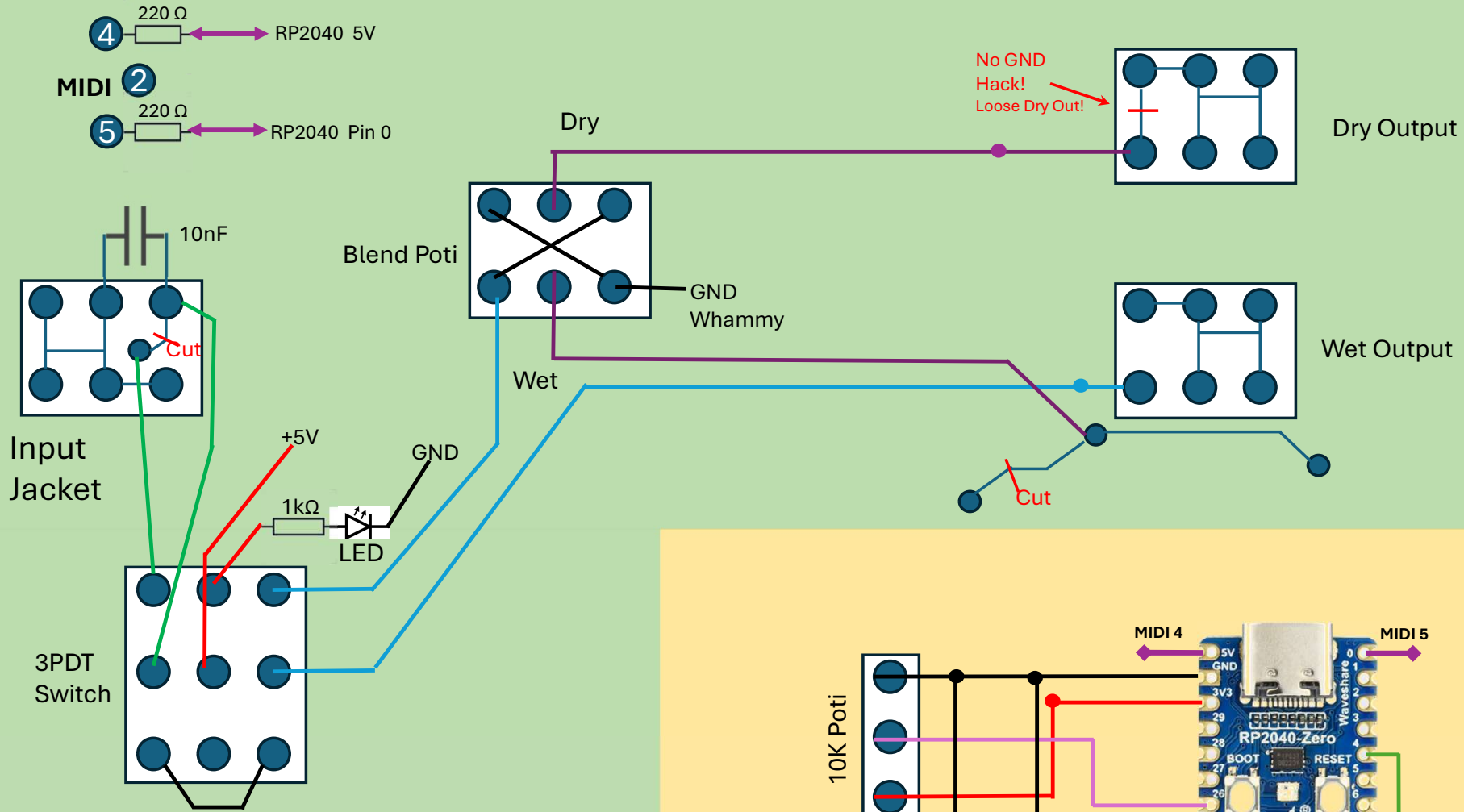
Problem is the AC/DC Converter...

Try to fix this... look PLAN B

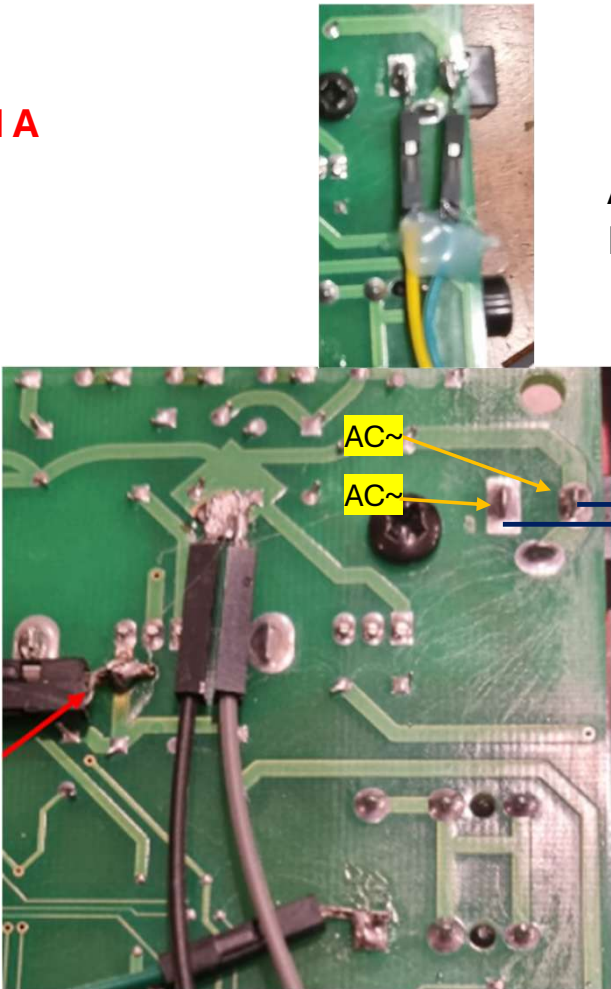


Raspberry Pi
2040 Zero

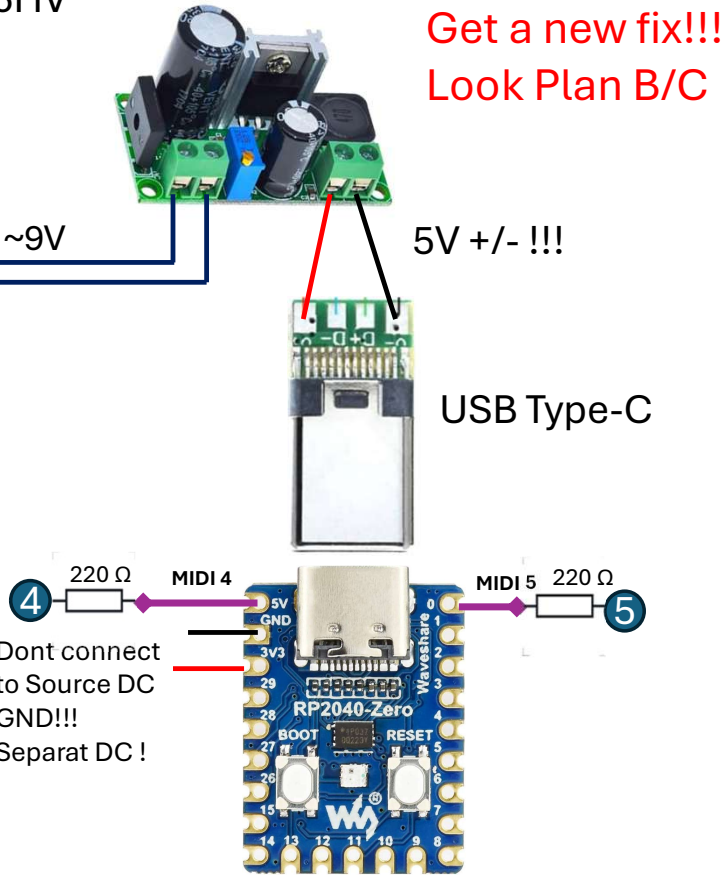




Power Supply **PLAN A**



AC/DC Converter
LM2596HV



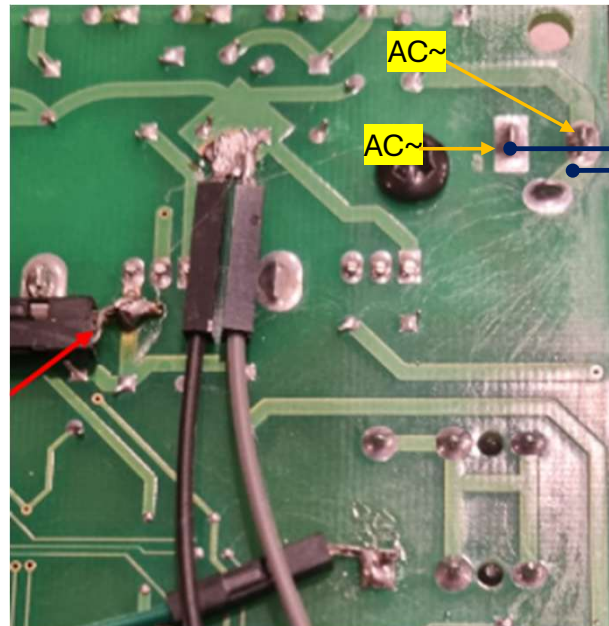
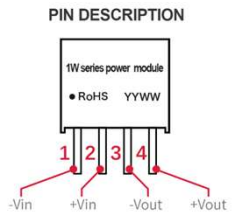
Get a new fix!!!
Look Plan B/C

Power Supply **PLAN B**



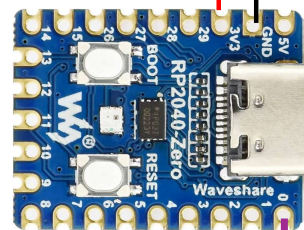
AC/DC Converter
LM2596HV

B0505S-1W



~9V

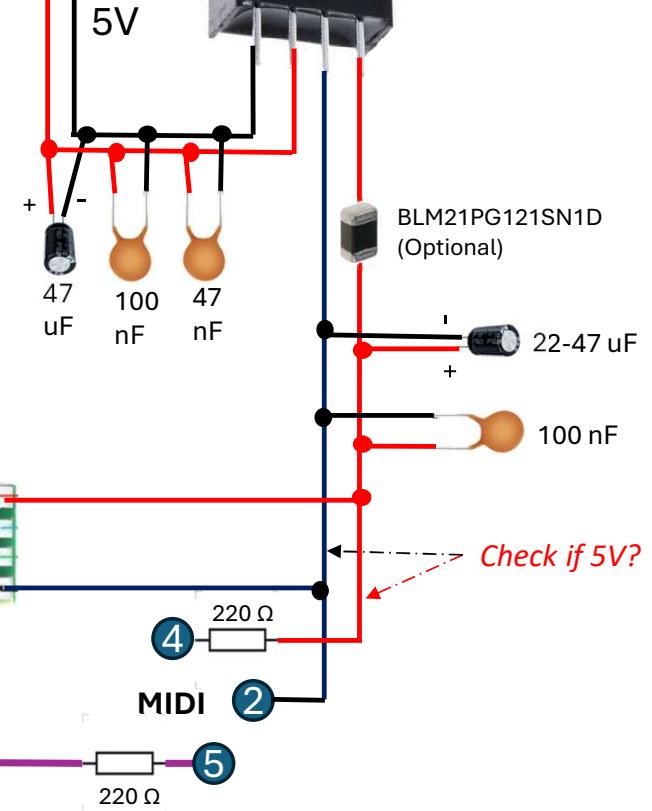
Dont connect to
Source DC GND!!!
Separat DC !



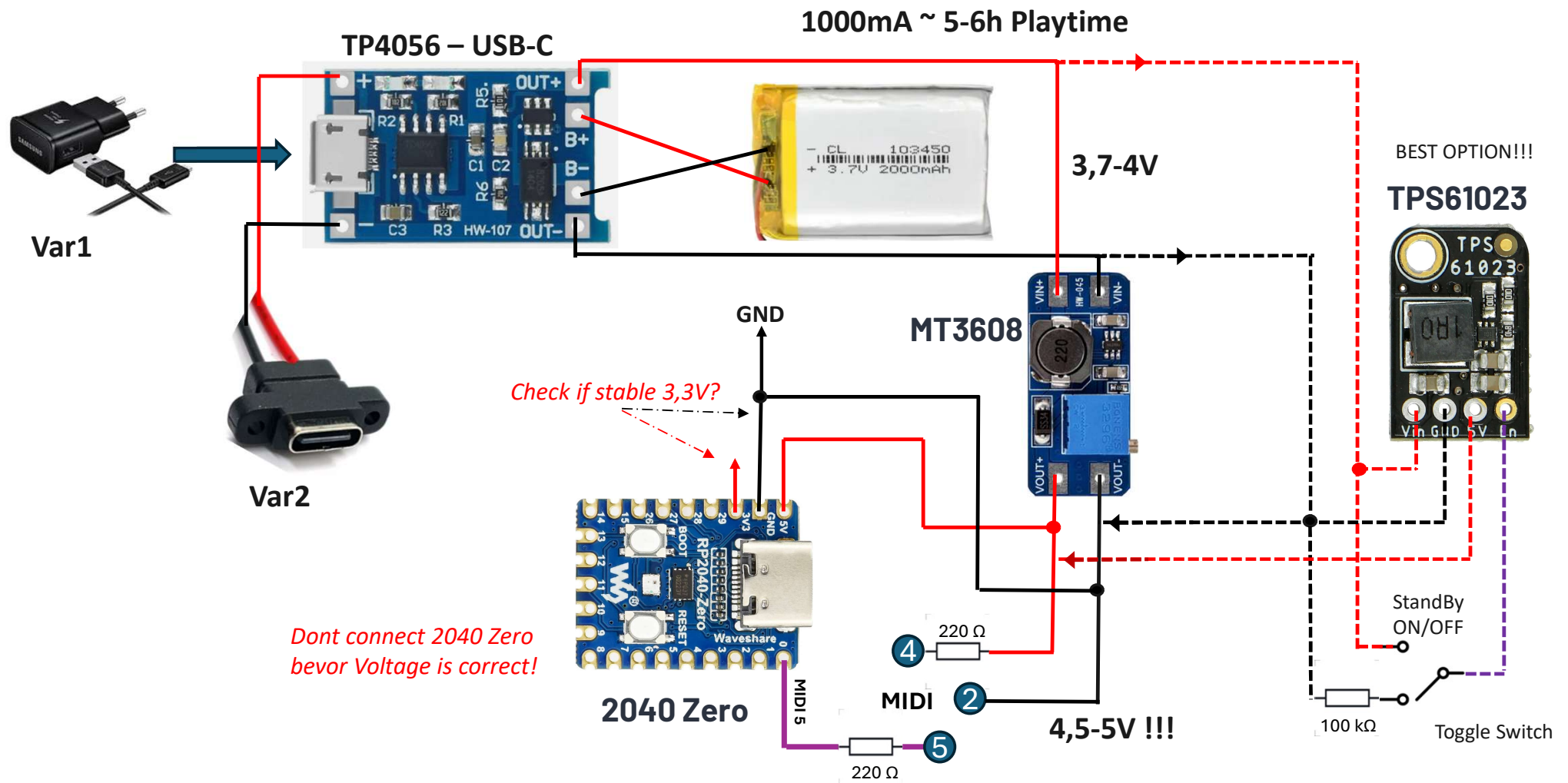
MIDI 5

*Dont connect 2040 Zero
bevor Voltage is correct!*

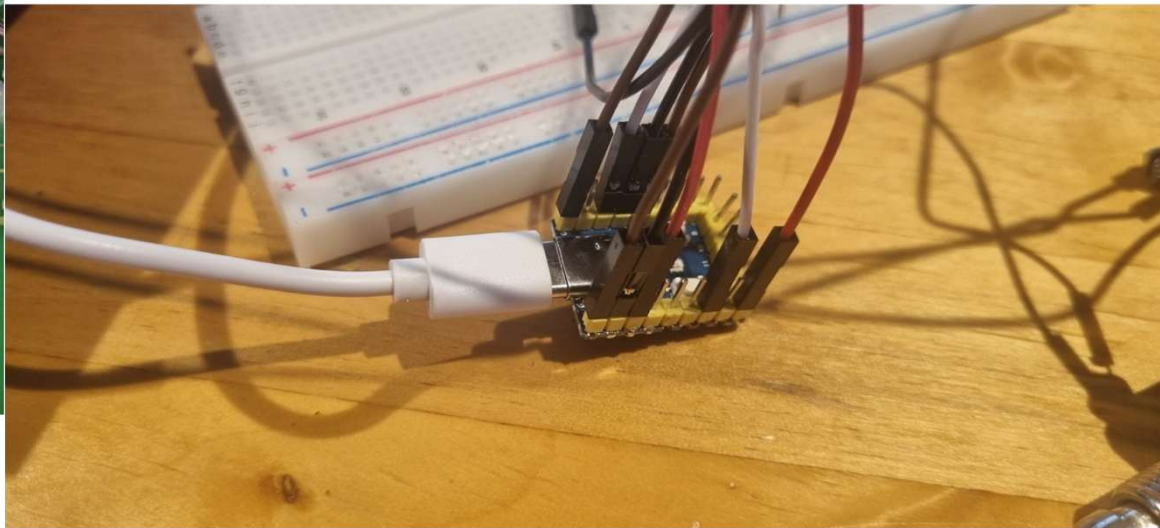
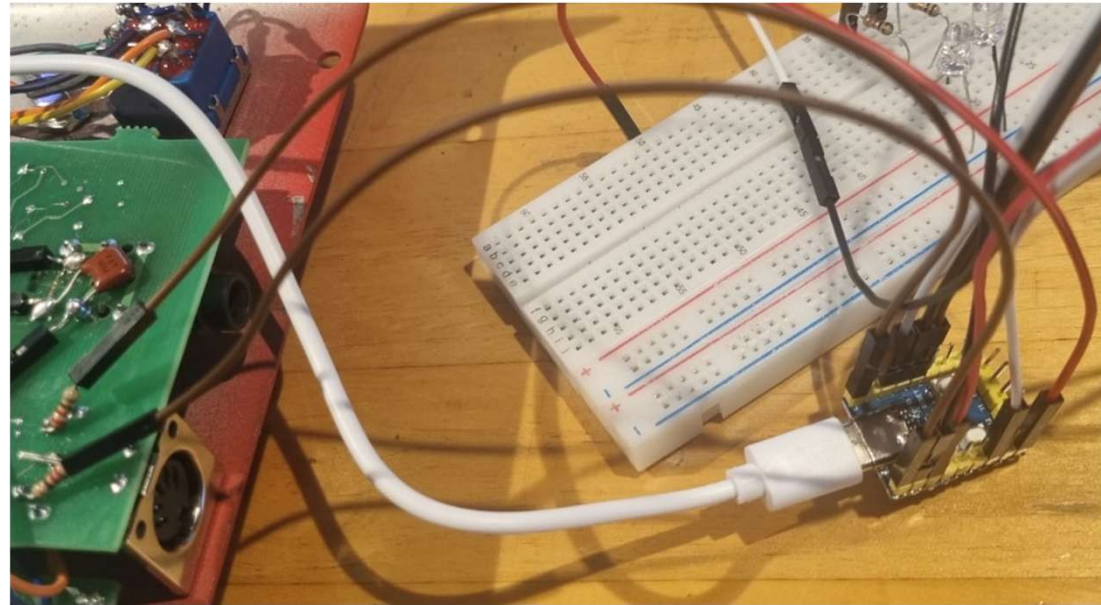
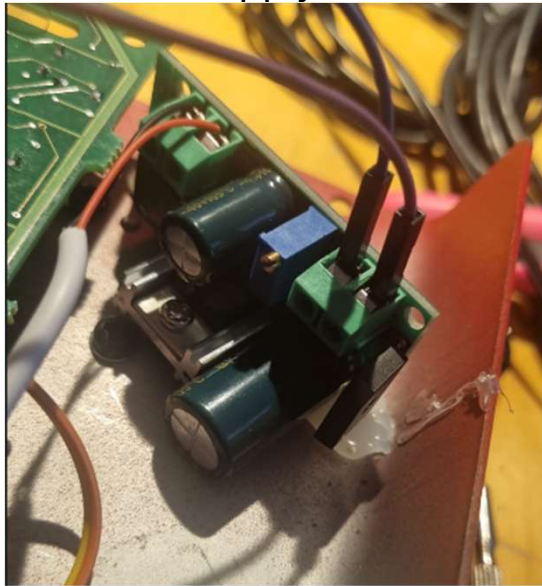
Voltage here!

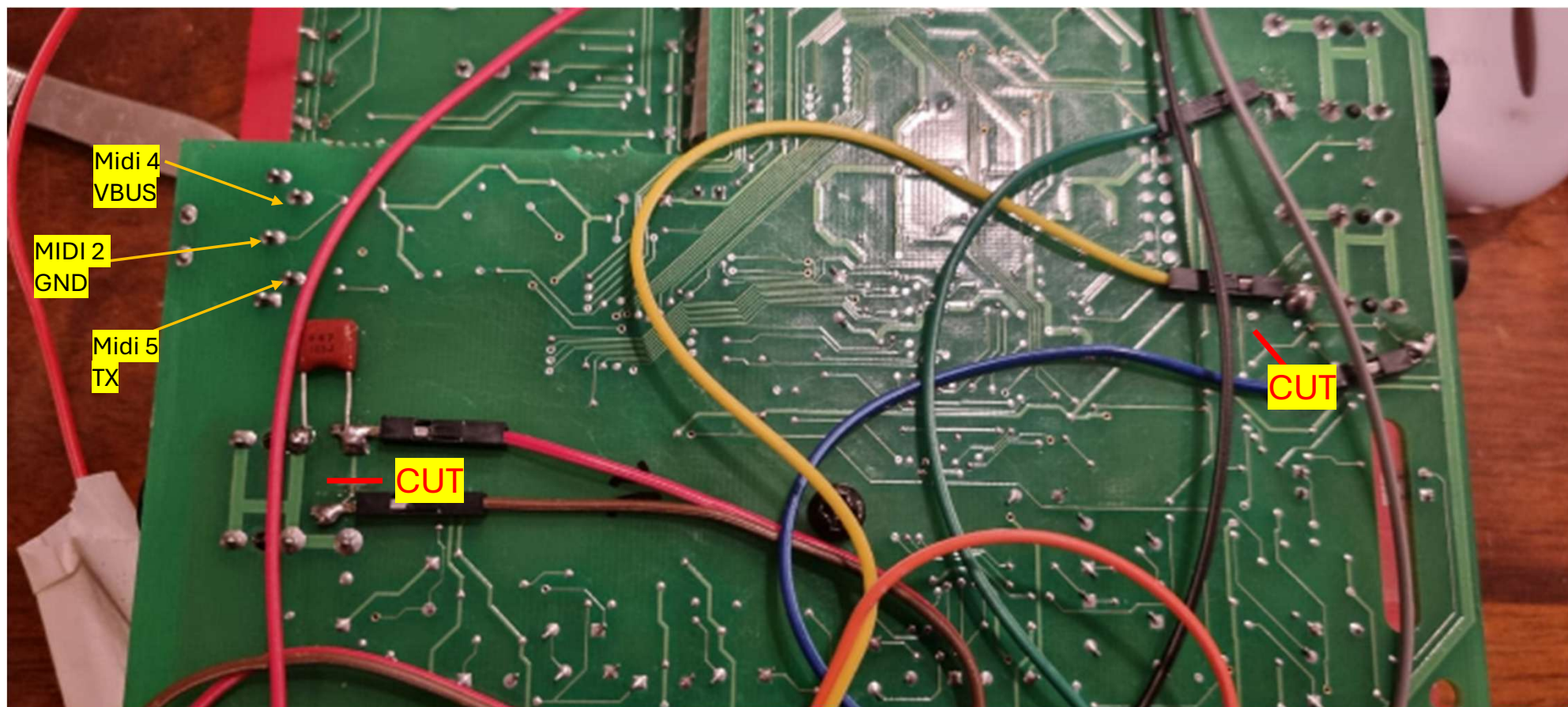


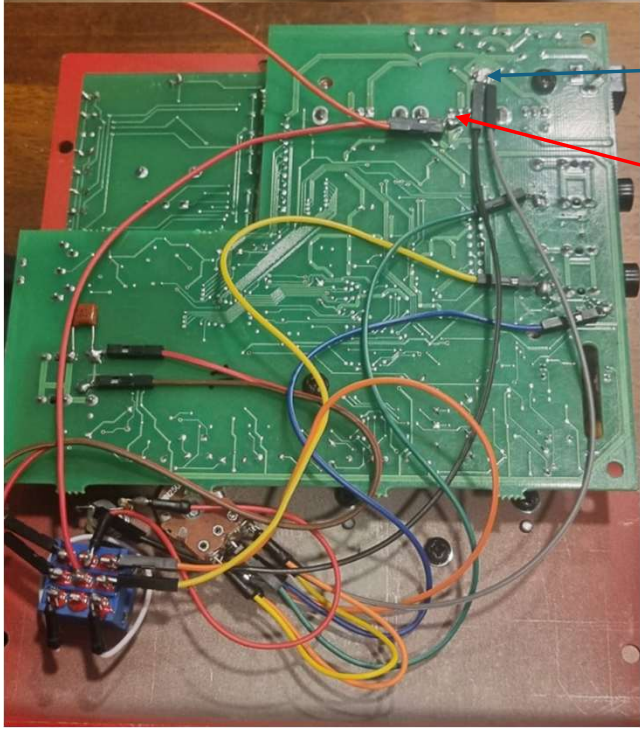
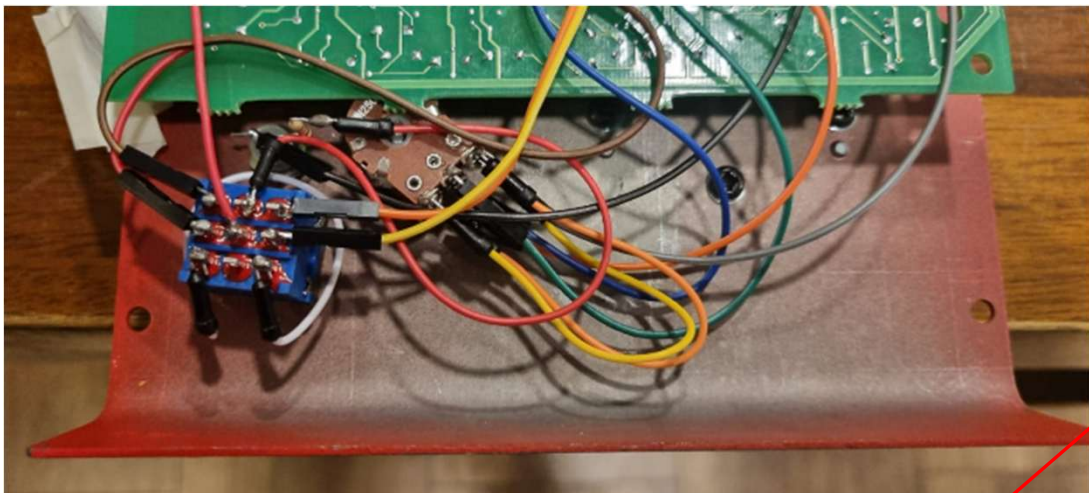
Power Supply **PLAN C**
MT3605 **OR** TPS61023



Power Supply

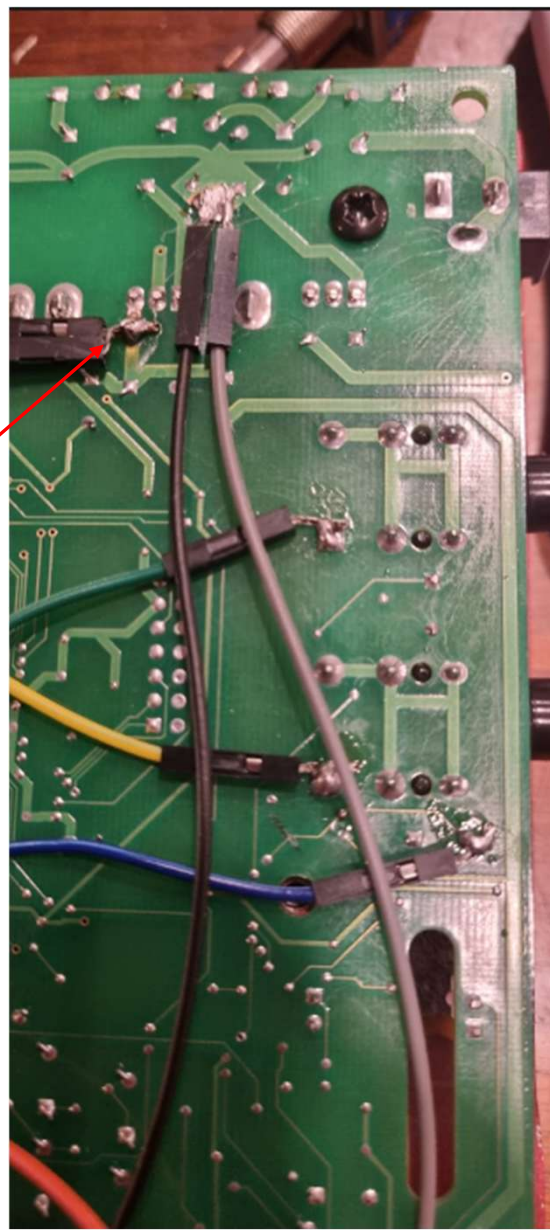


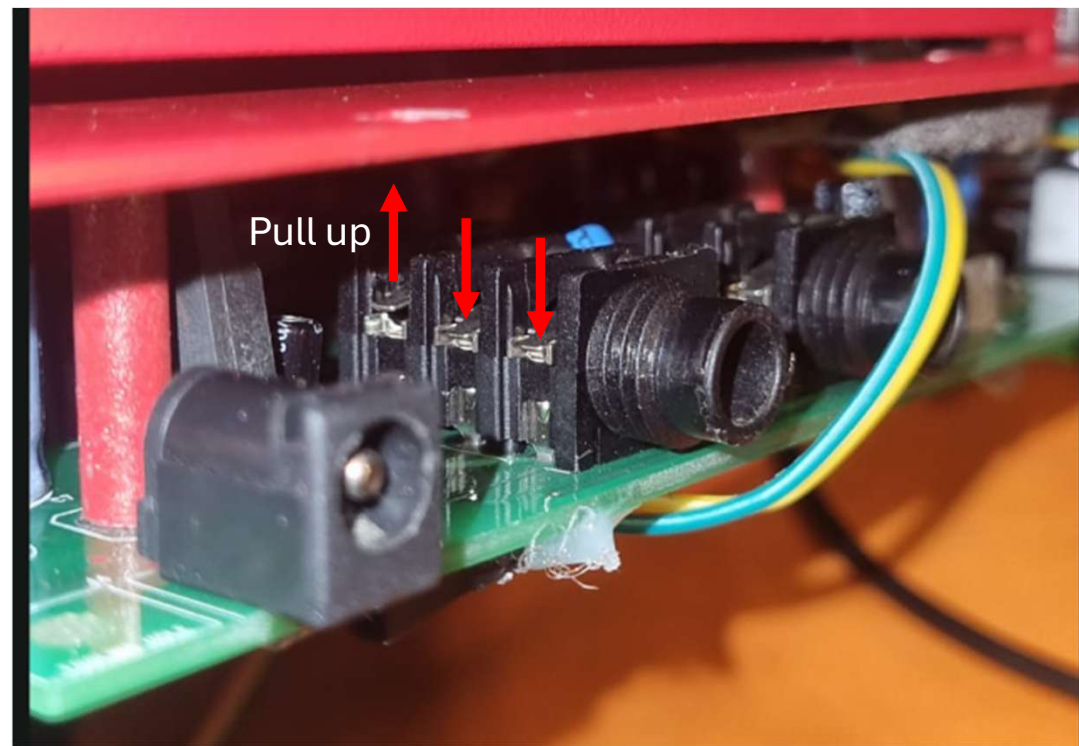
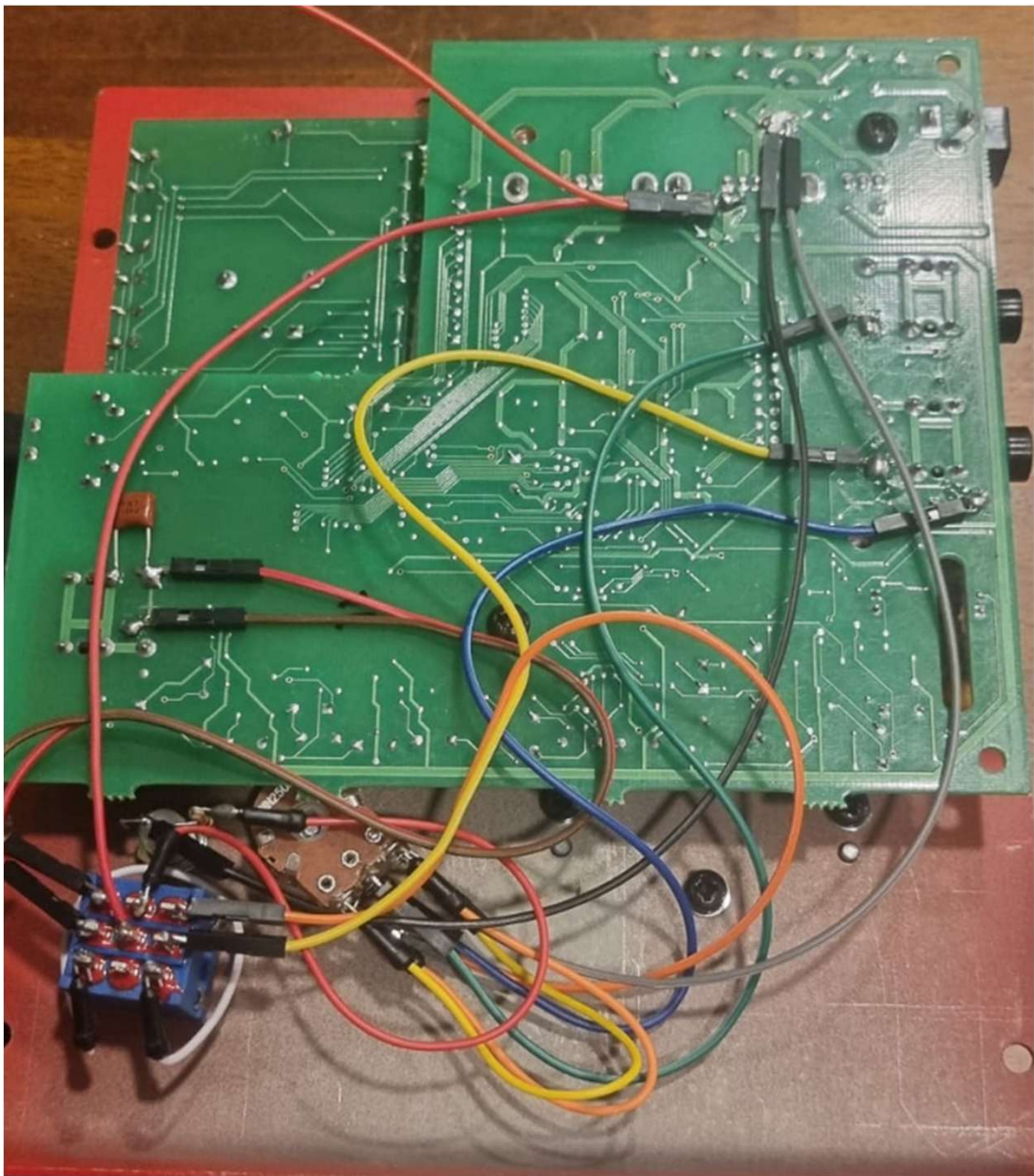




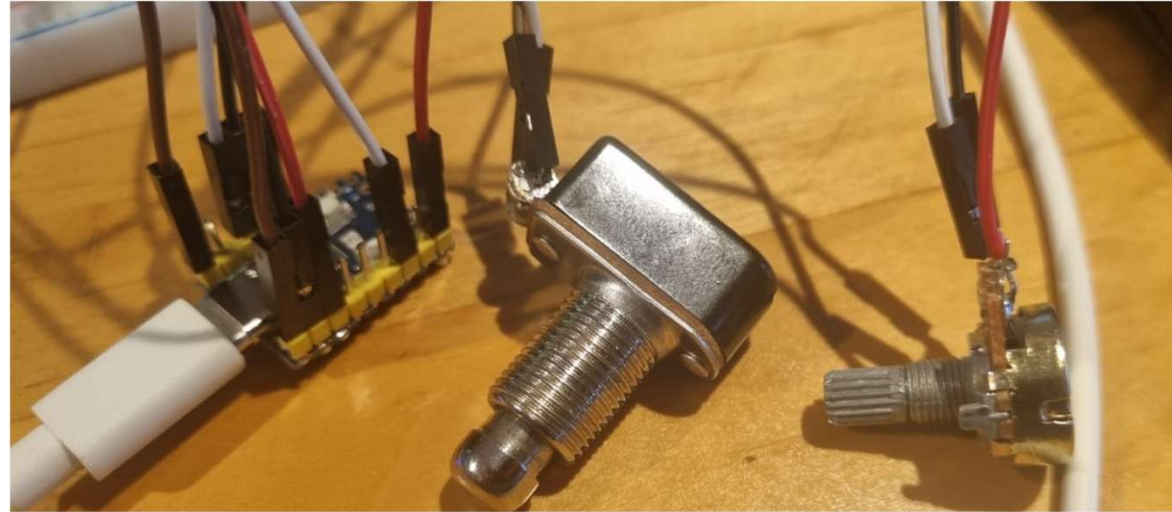
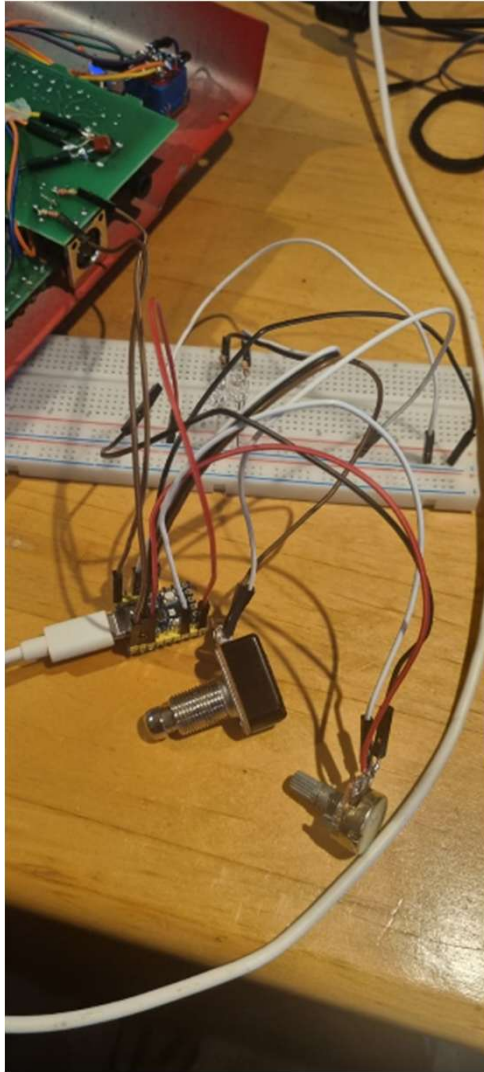
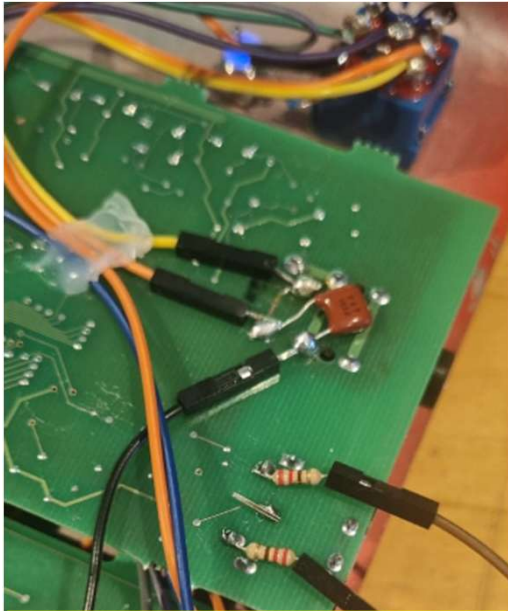
GND LED
HERE!!!

+5V LED
HERE!!!





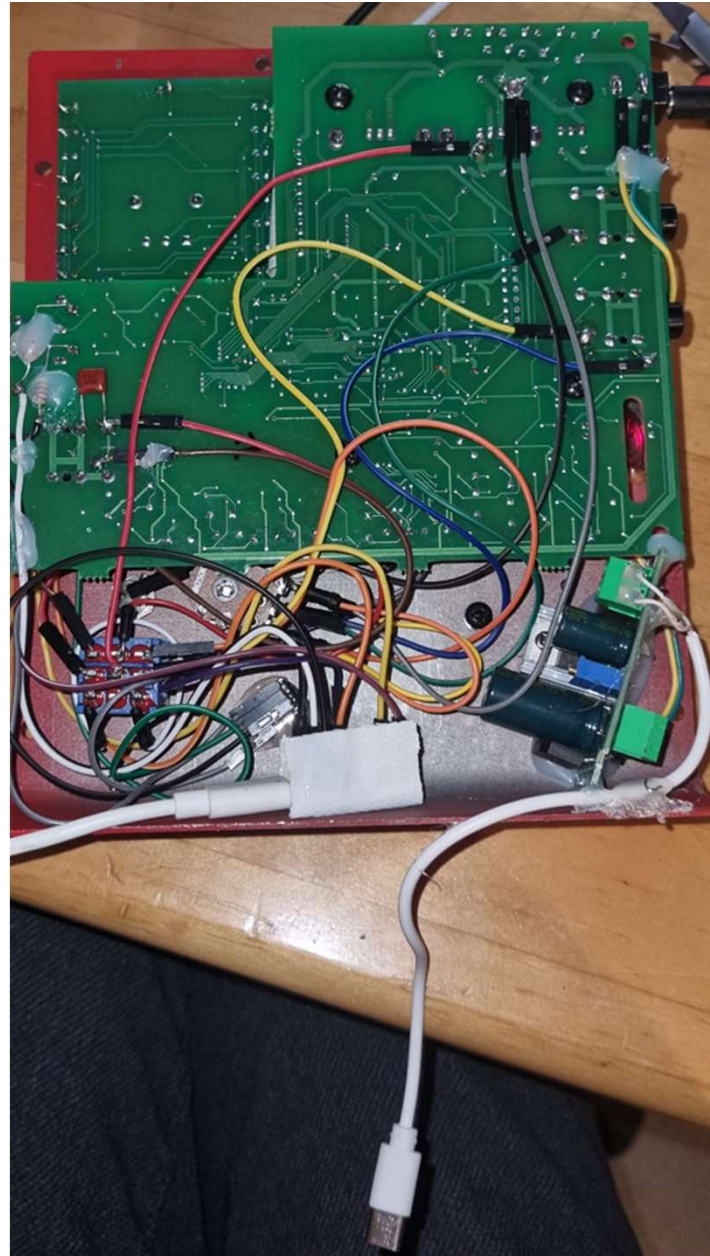
Midi Test



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

- 2 combinable effect presets

Final Front/Back



Flash NEO
Software

