

Whammy 4 – Version 1.09

By melatroid

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True Bypass, Blend Mix  
Shutter Gate Effect  
Change Effects  
Momantary



Calibration

Midi Access

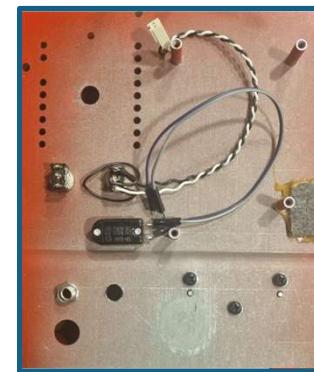
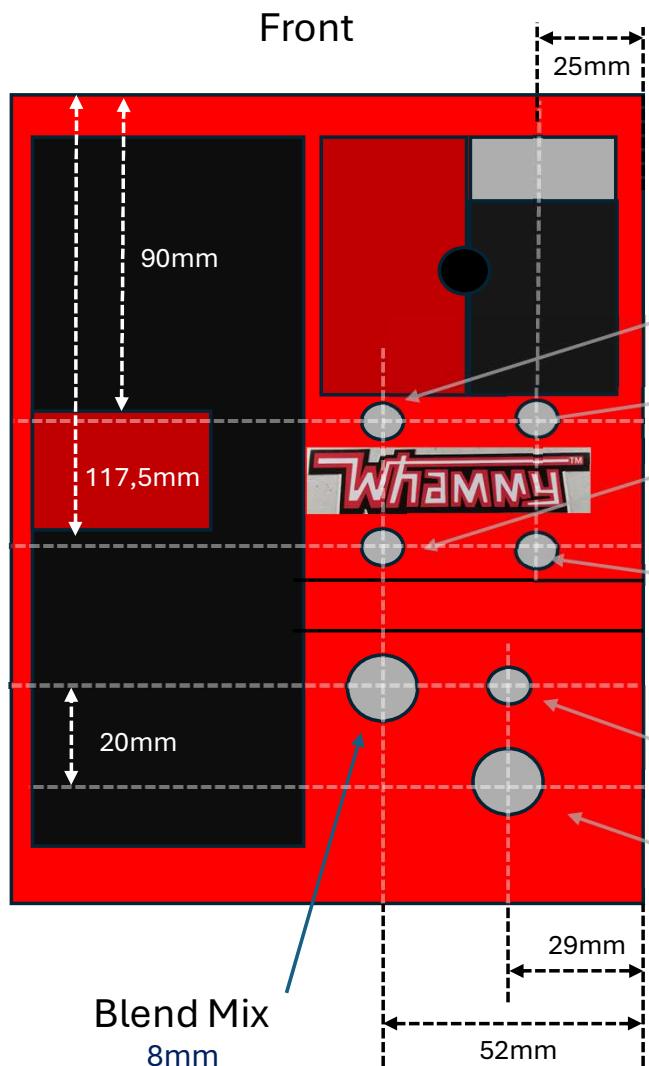
Time

Momantary  
/ Change Effects

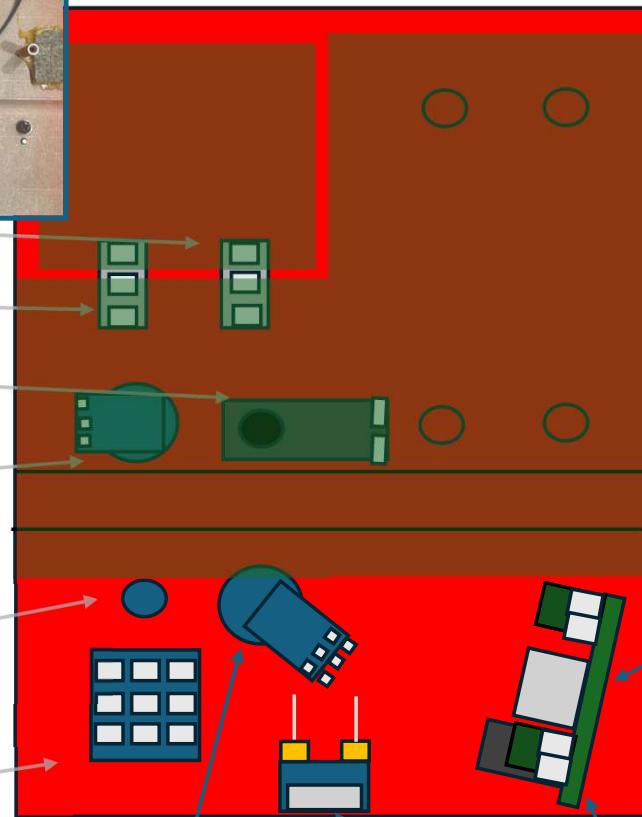
Blend Mix

LED On/OFF

Effect On/OFF



**Back**



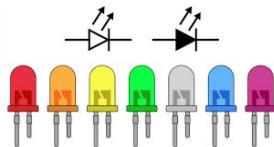
Glue it!

AC/DC  
Power

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

Glue it!

## 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



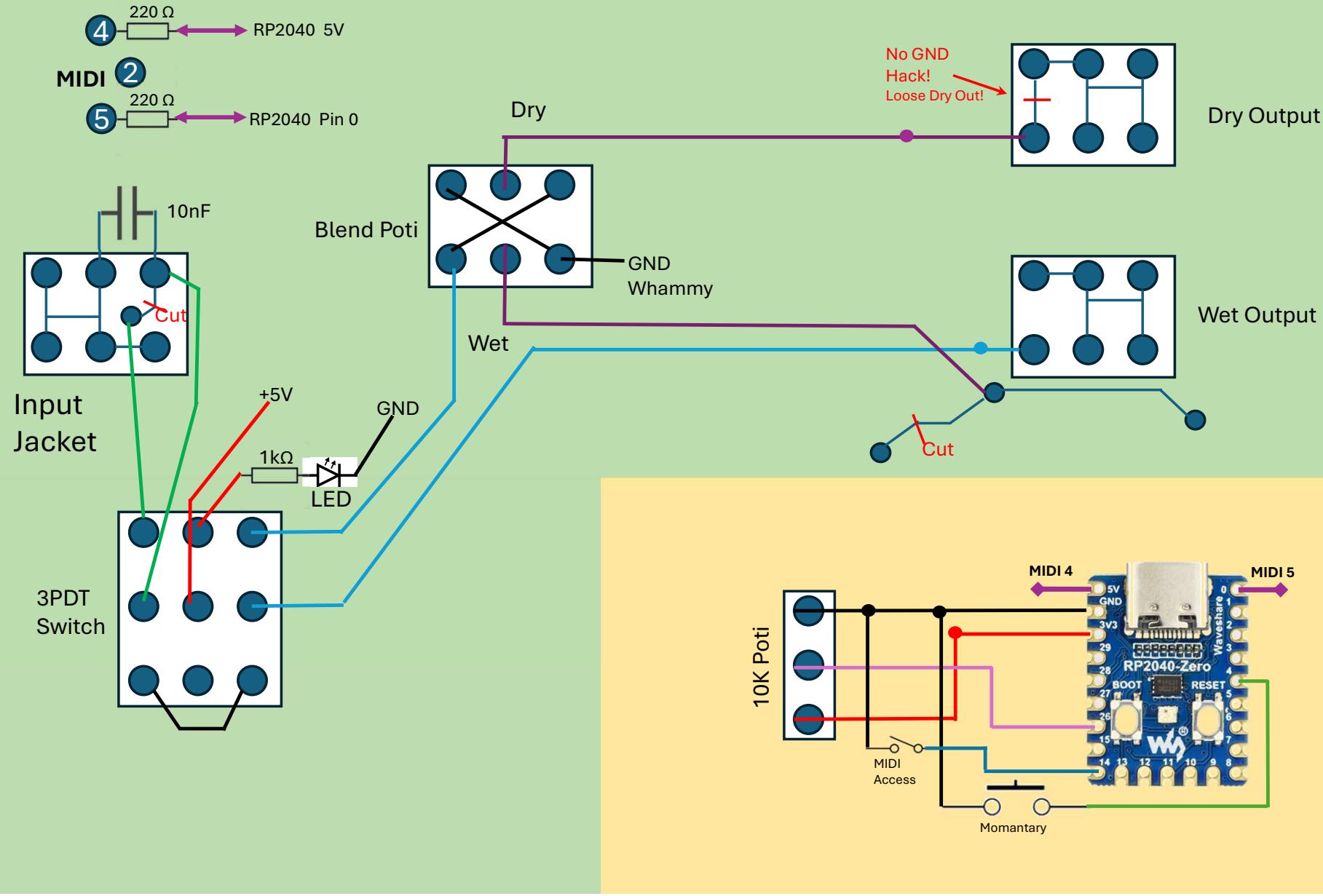
Raspberry Pi  
2040 Zero

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

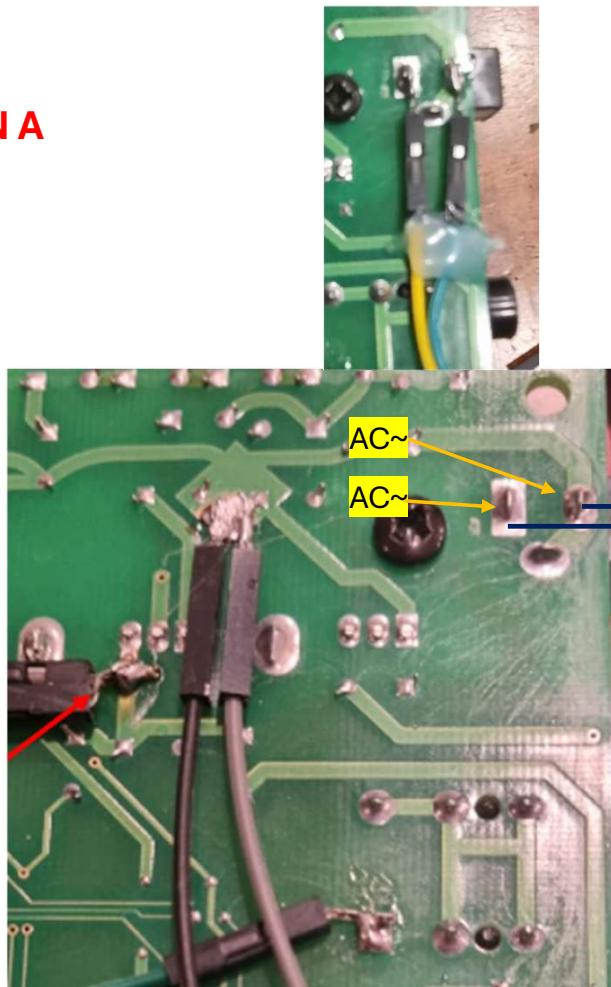
Problem is the AC/DC Converter...

Try to fix this... look PLAN B

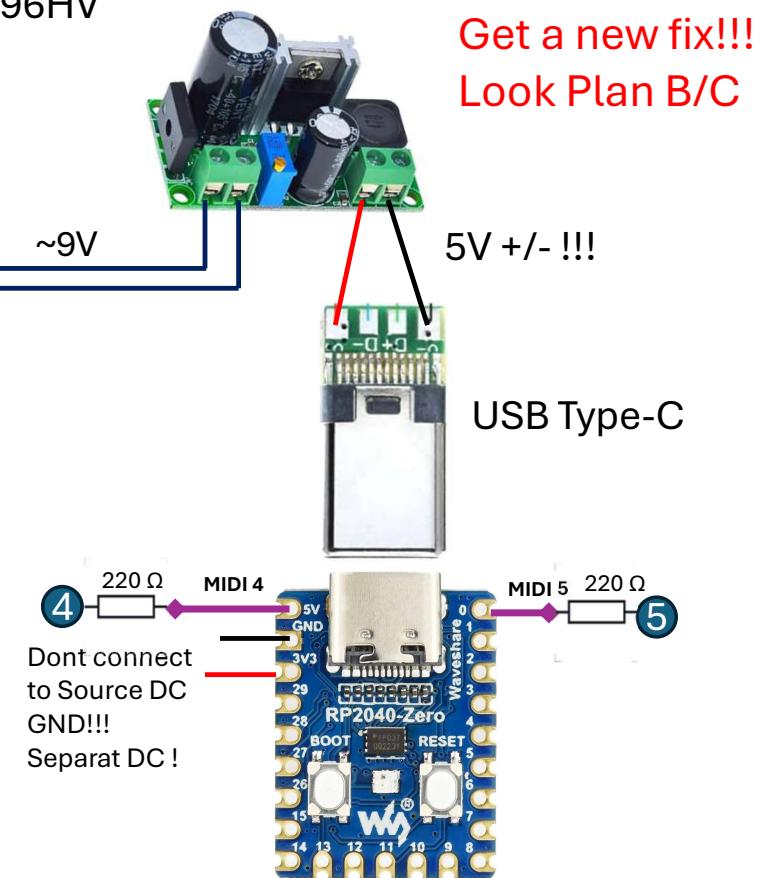




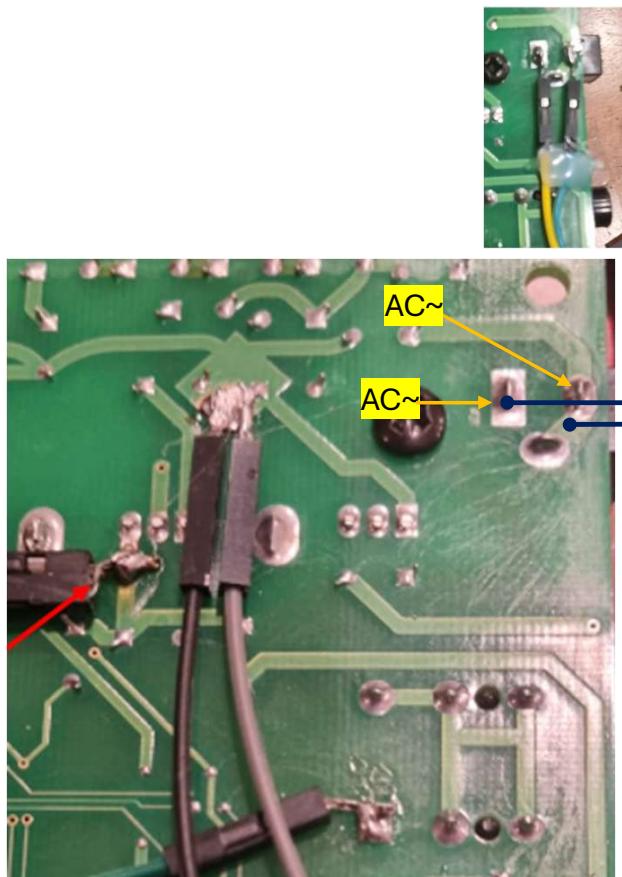
## Power Supply **PLAN A**



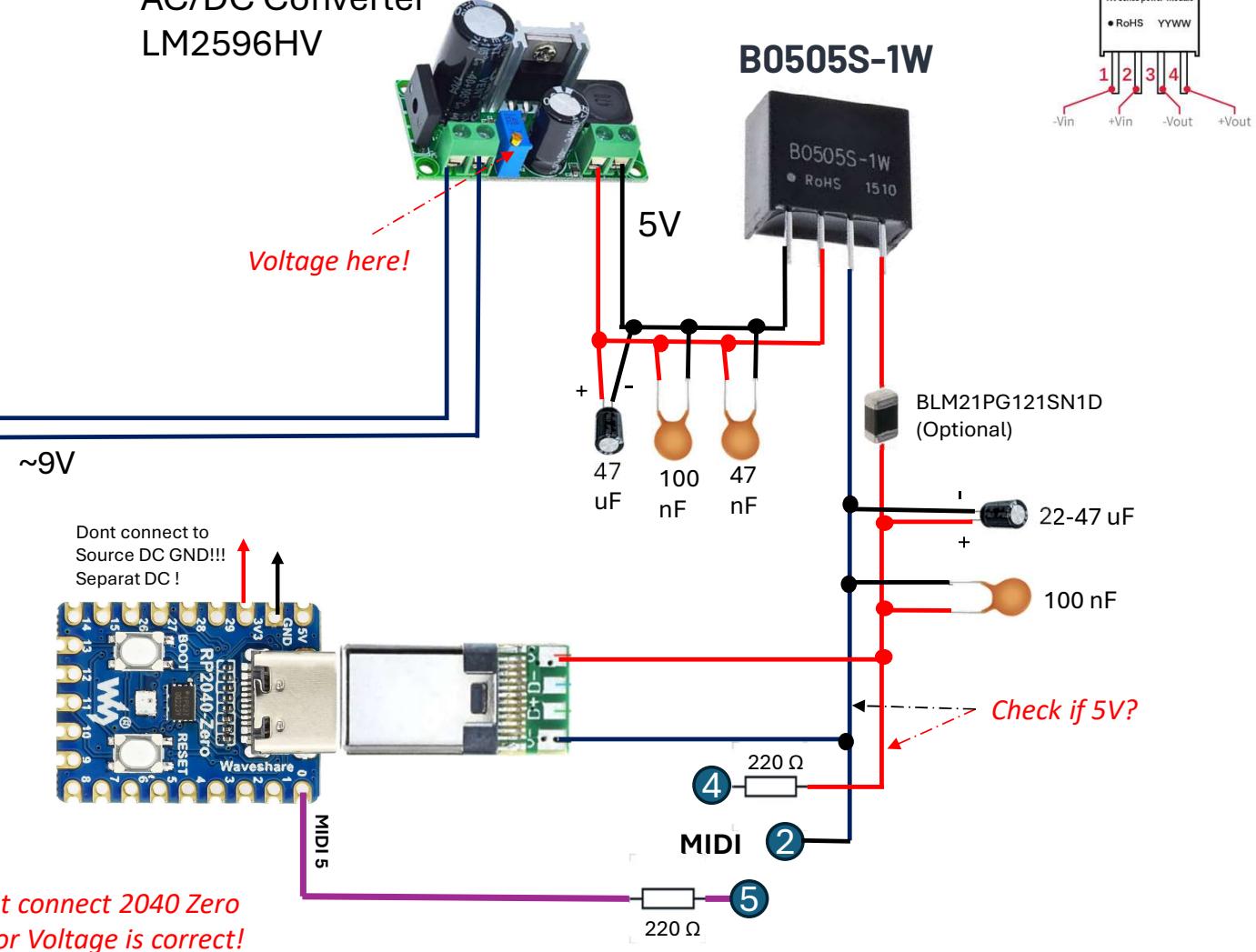
AC/DC Converter  
LM2596HV



## Power Supply **PLAN B**

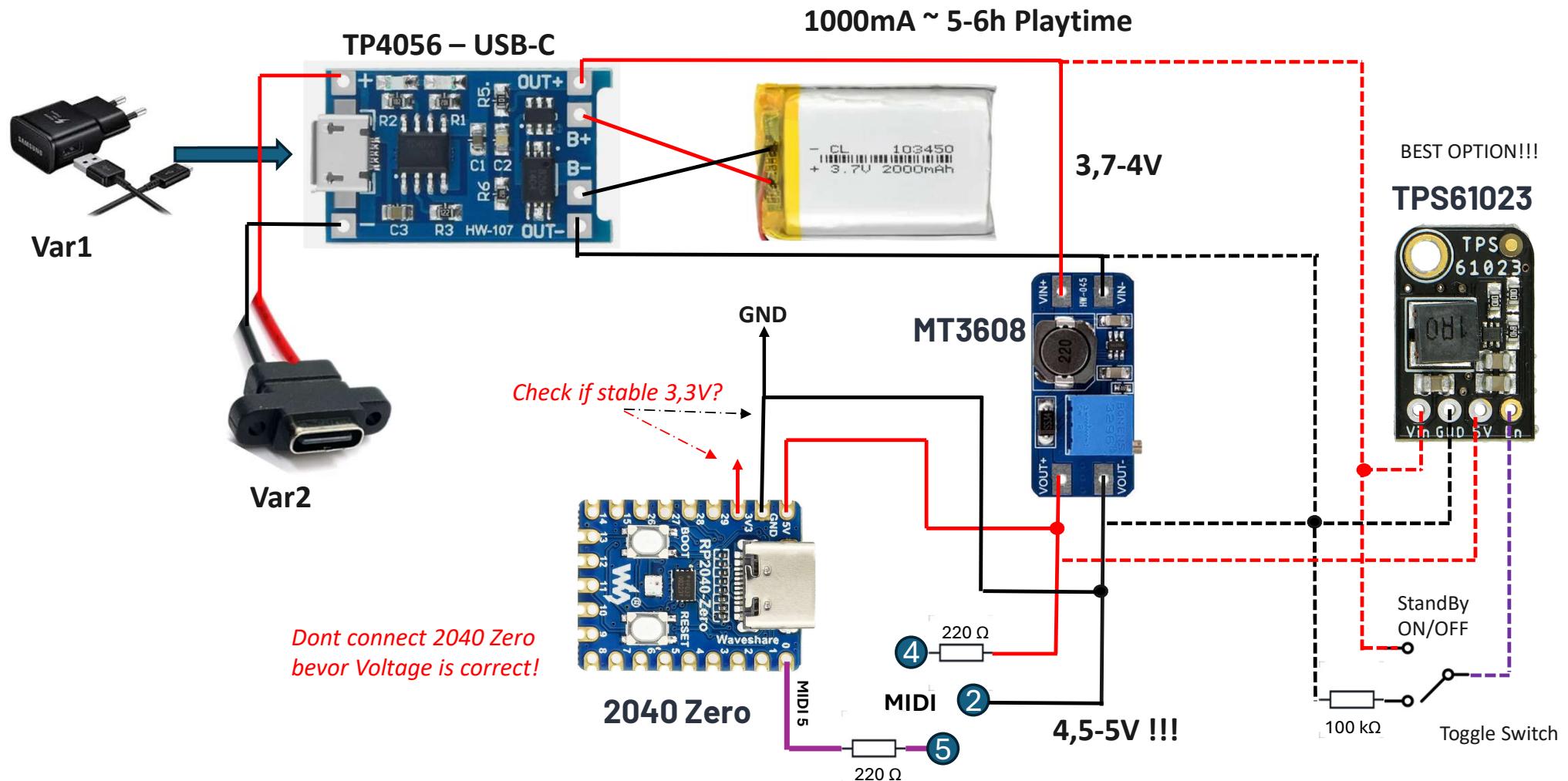


AC/DC Converter  
LM2596HV

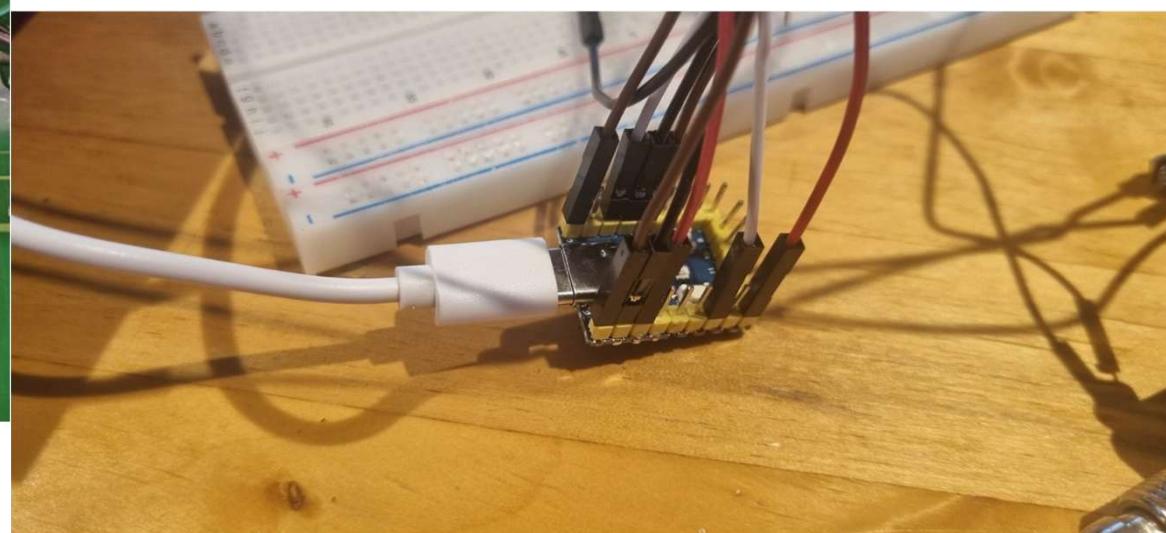
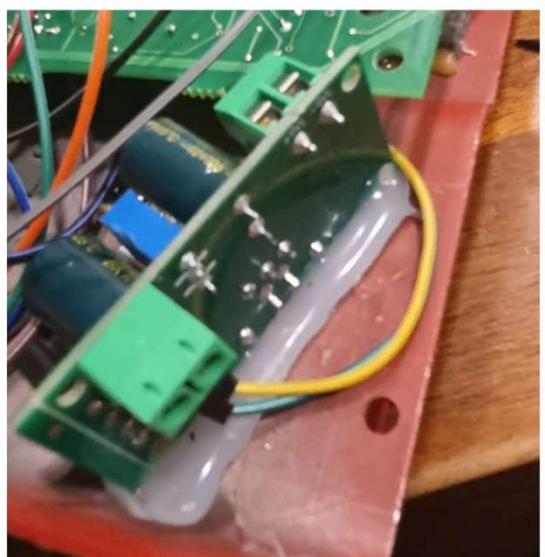
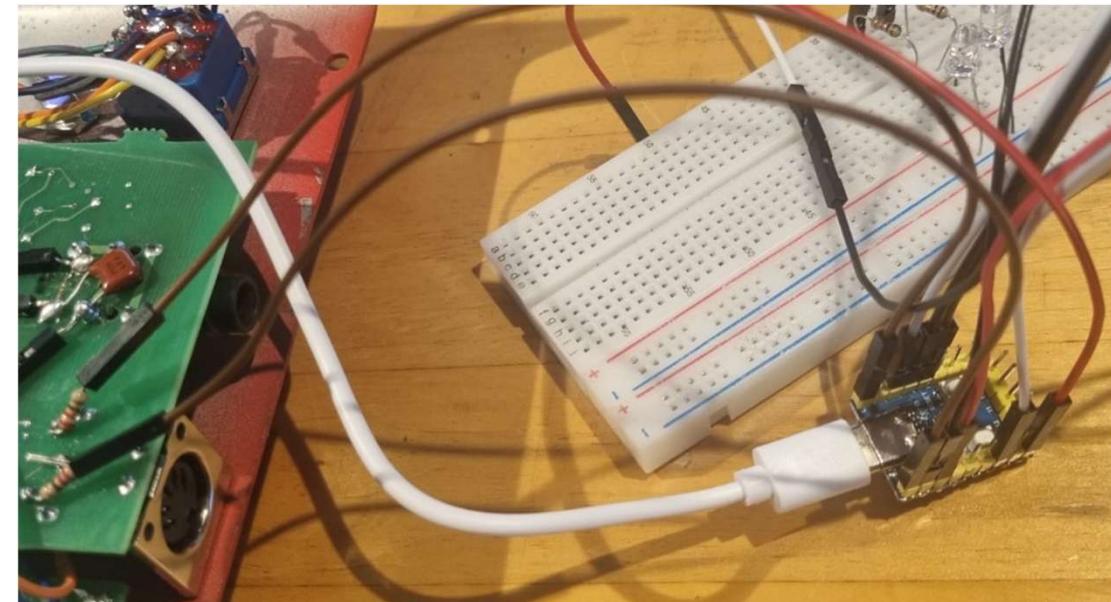
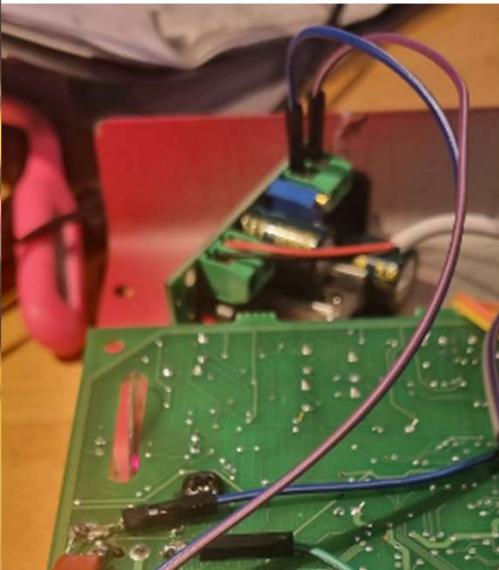
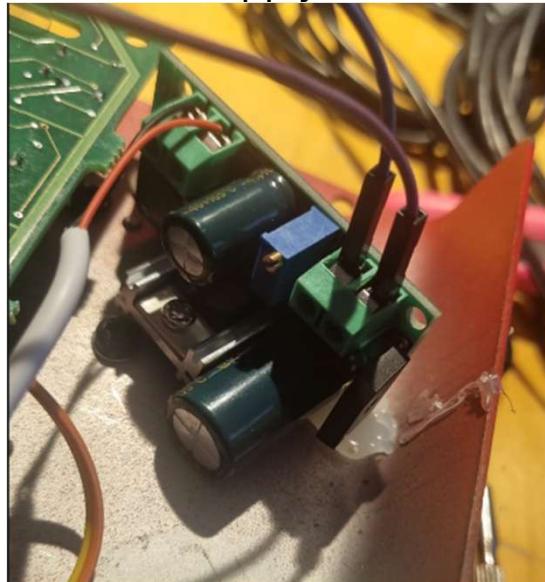


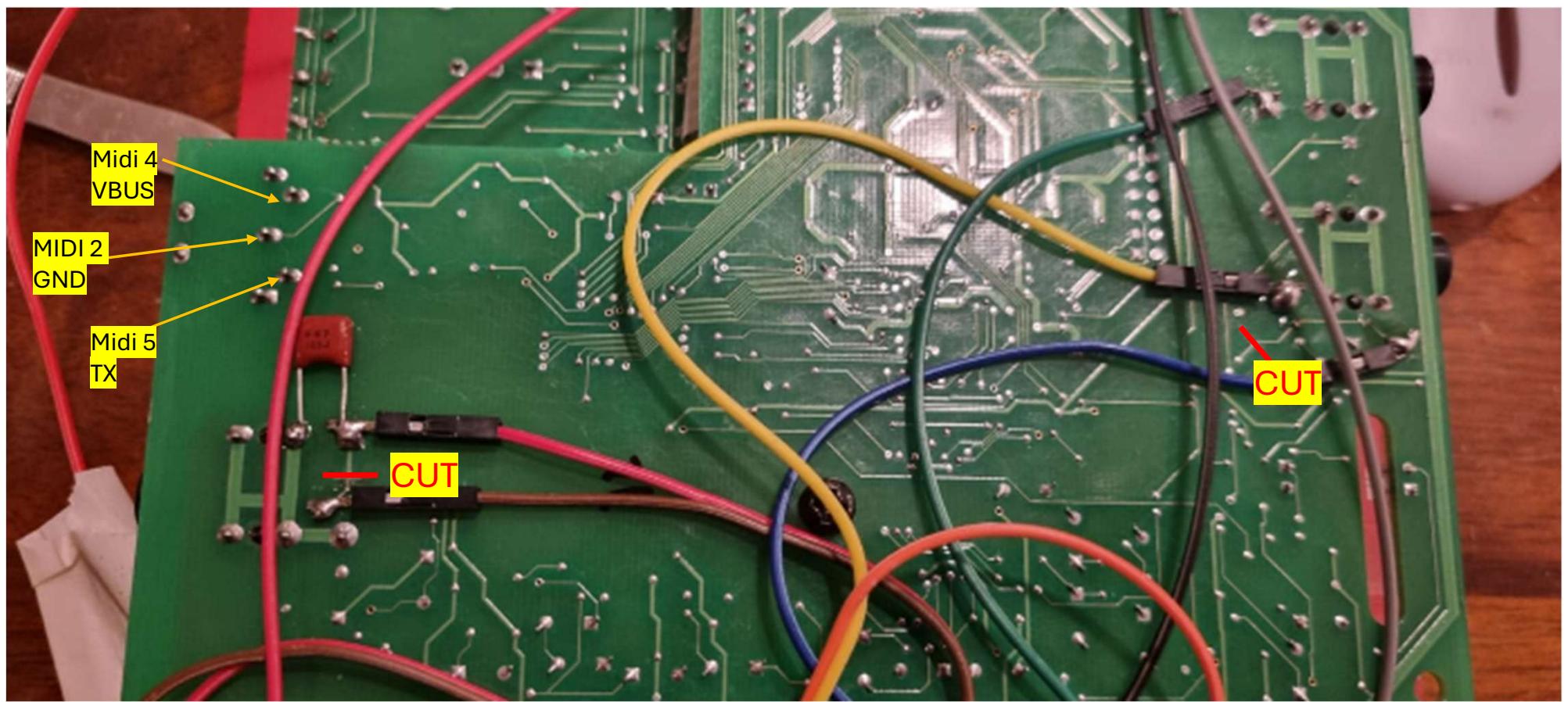
## Power Supply **PLAN C**

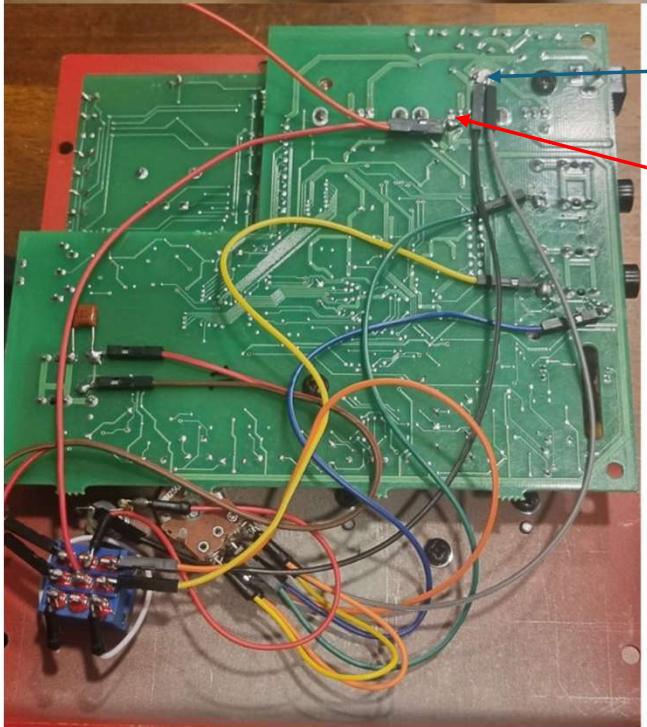
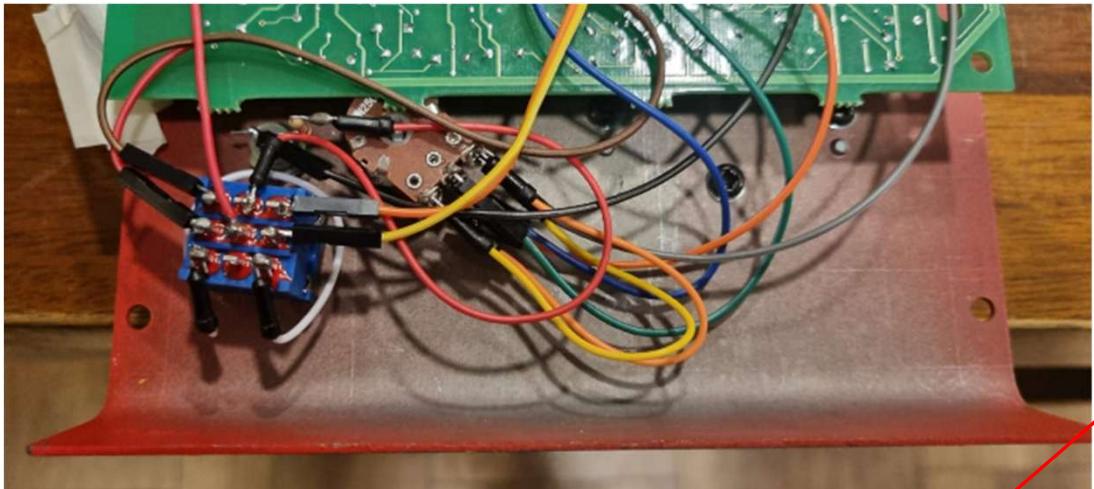
MT3605 OR TPS61023



## Power Supply

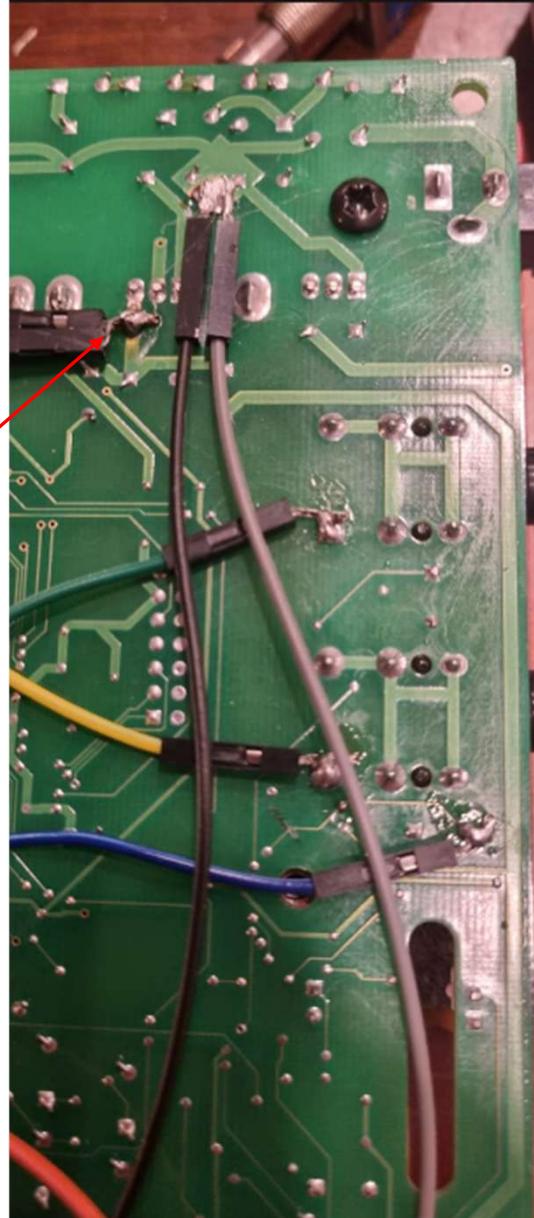


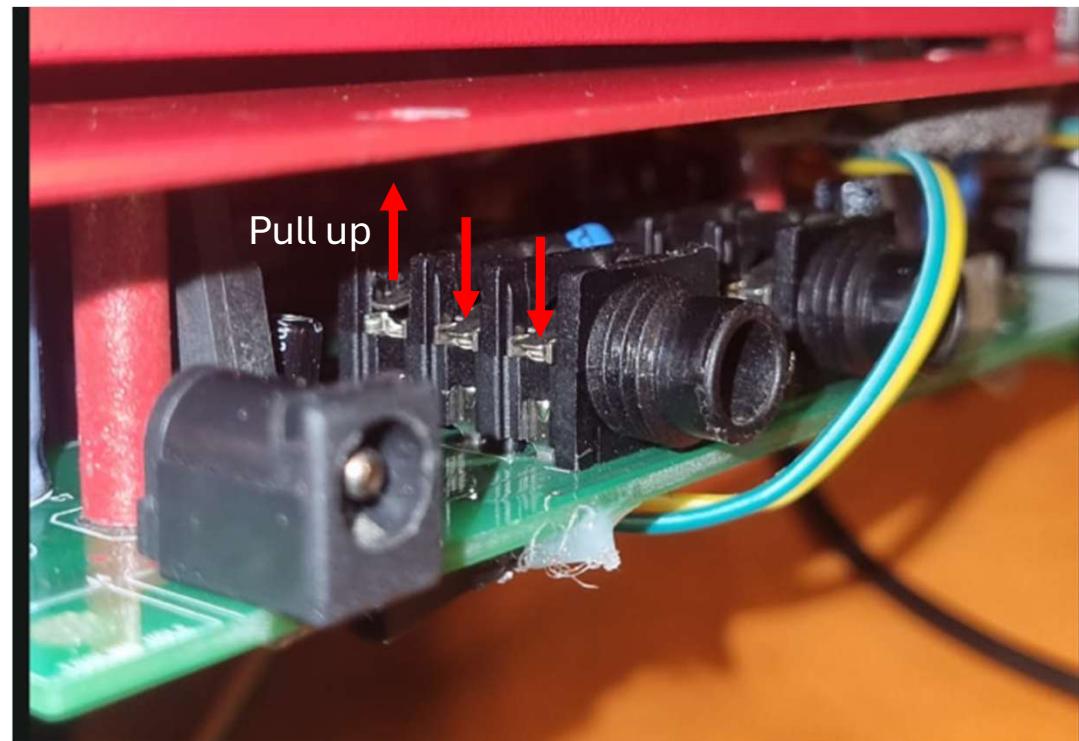
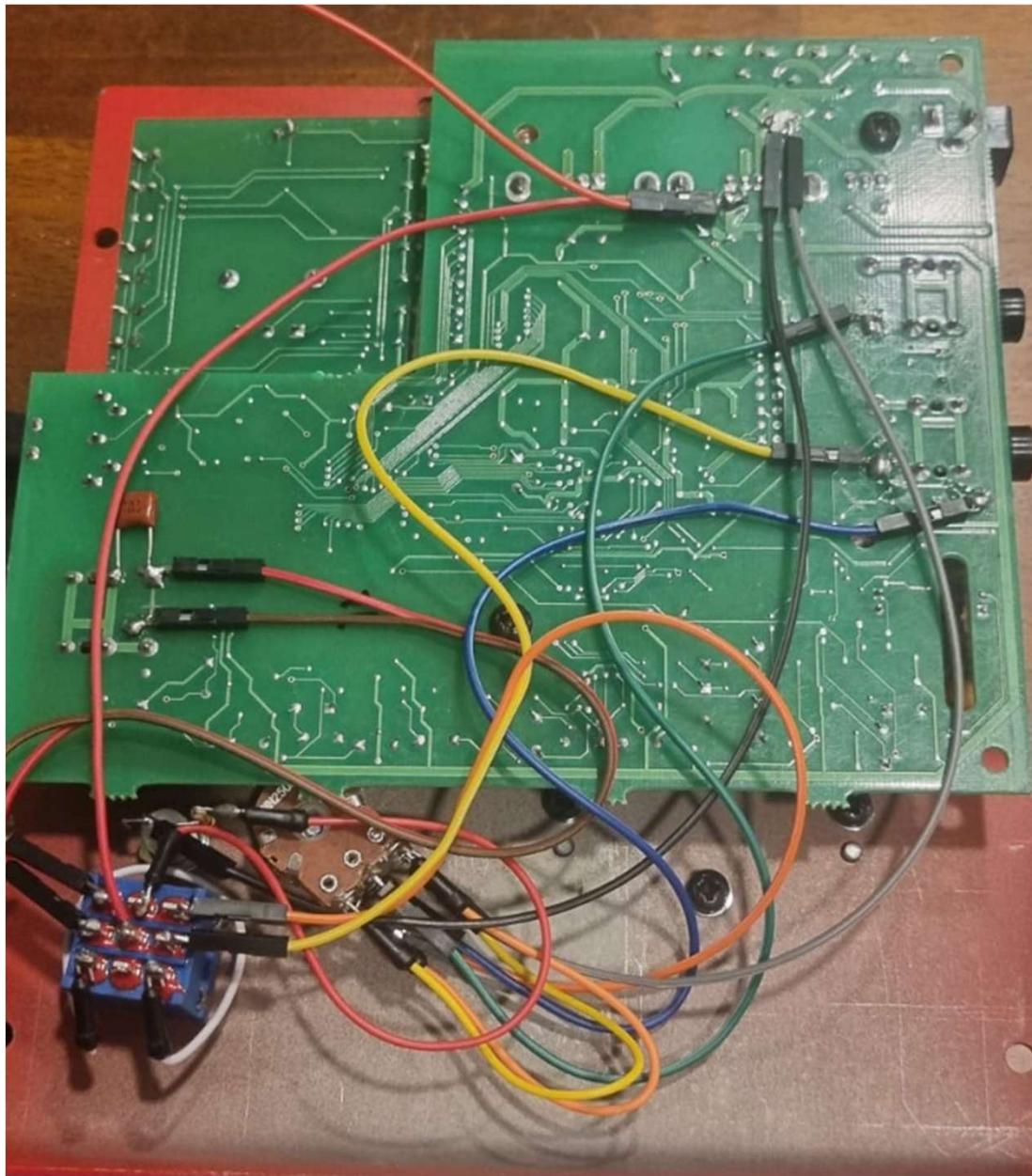




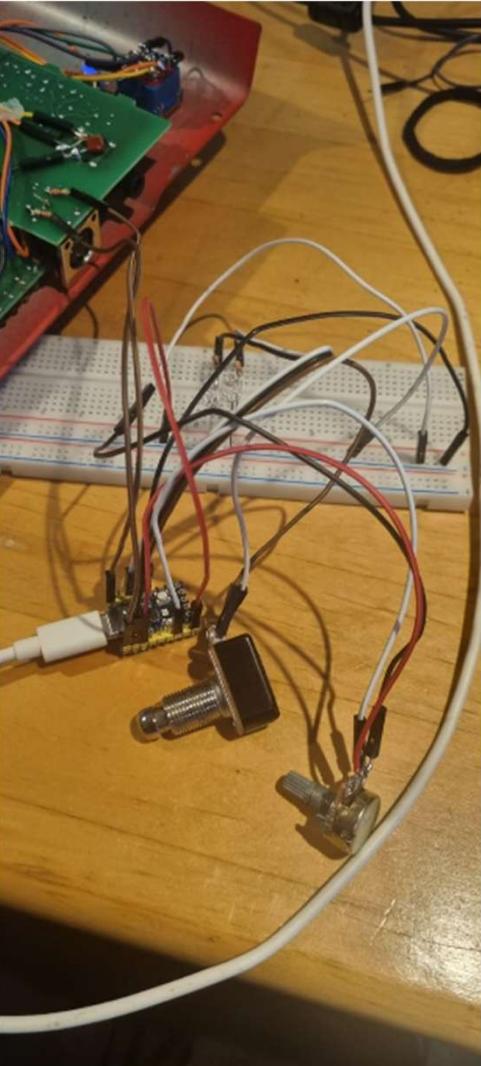
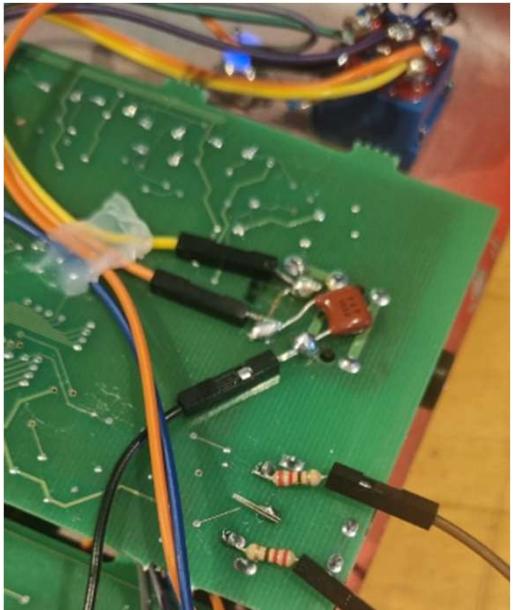
GND LED  
HERE!!!

+5V LED  
HERE!!!





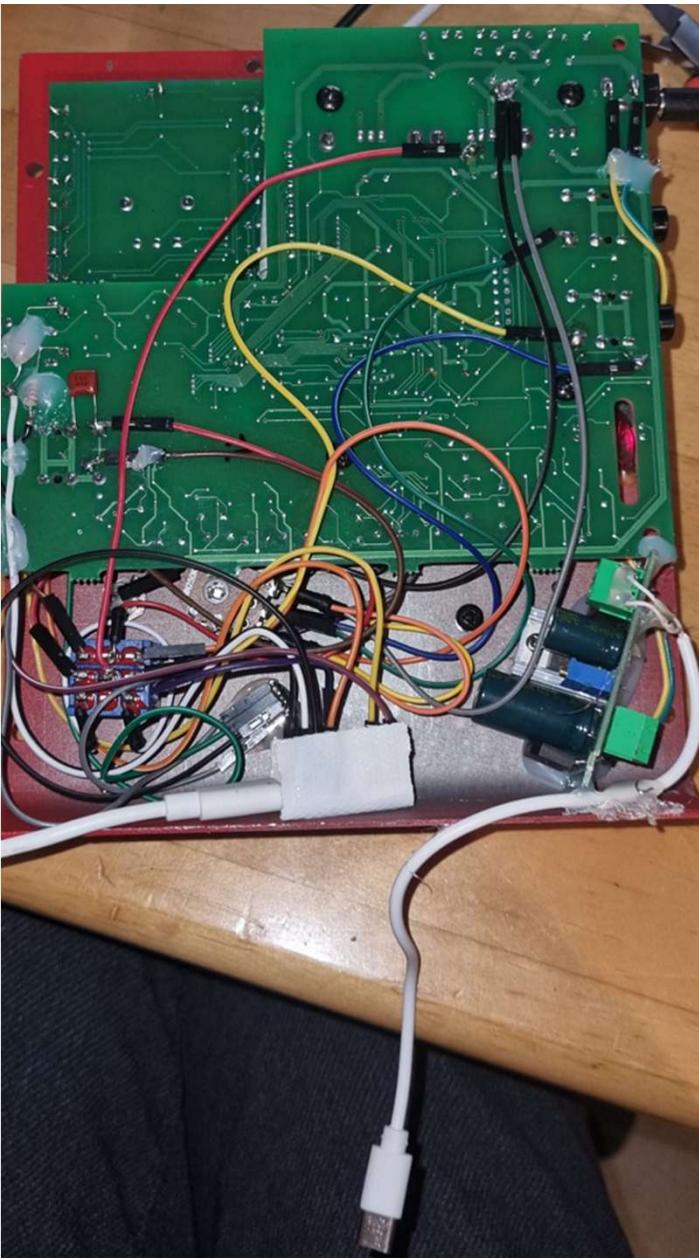
## Midi Test



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

- 2 combinable effect presets

## Final Front/Back



## Flash NEO Software

