

Whammy 4 – Version 1.06

By melatroid

[melatroid@gmail.com](mailto:melatroid@gmail.com)

True Bypass, Blend Mix  
Shutter Gate Effect  
Change Effects  
Momantary



Calibration

Midi Access

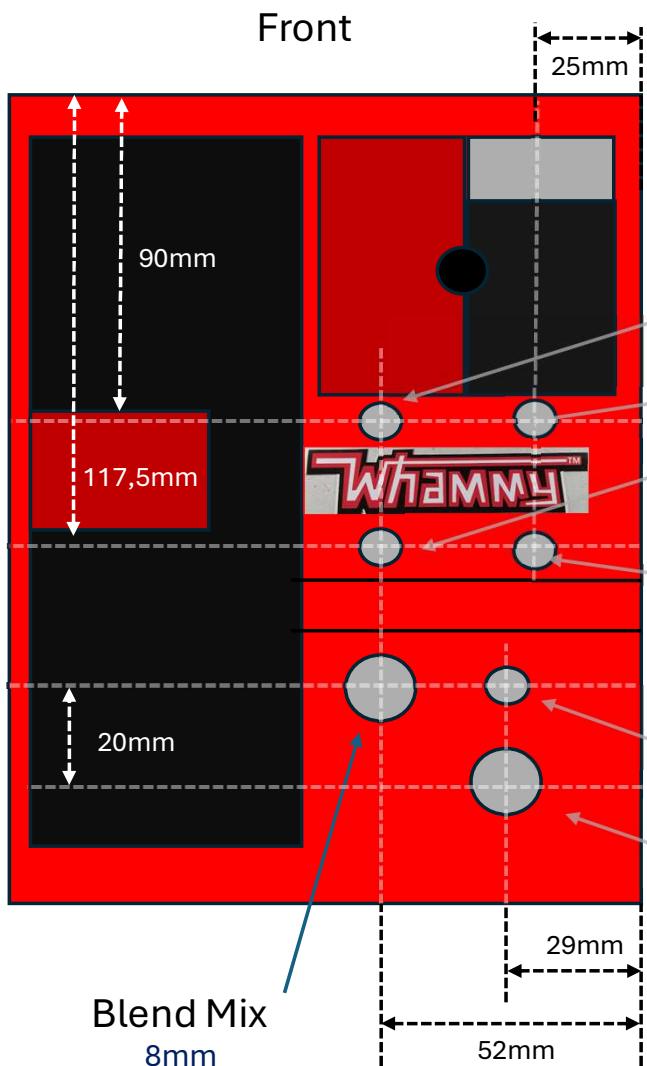
Time

Momantary / Change Effects

Blend Mix

LED On/OFF

Effect On/OFF



6mm  
Calibration Switch

6mm  
Midi Access Switch

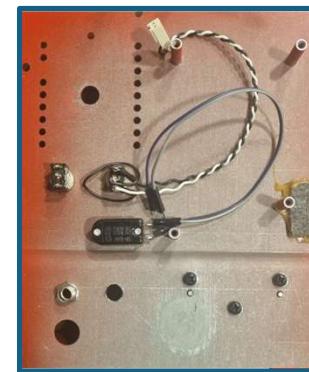
Momentary Switch  
12mm

Poti 10KOhm  
7mm

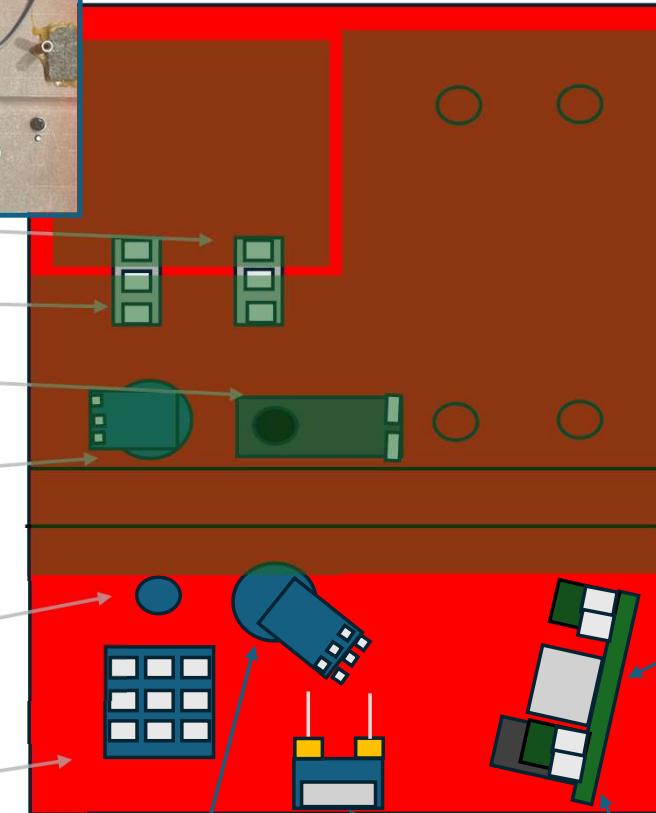
LED  
7,5mm

3PDT  
10mm

Blend Mix  
8mm



**Back**



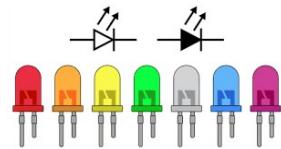
Glue it!

AC/DC  
Power

Glue it!

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

## Parts



 1k $\Omega$  3x  
 1M $\Omega$   
 220 $\Omega$  2x



10nF  
(optional)



Toggle Switch 2x  
Midi Access /  
Calibration



Momentary  
(Original Part)



250k $\Omega$   
Blend



3PDT



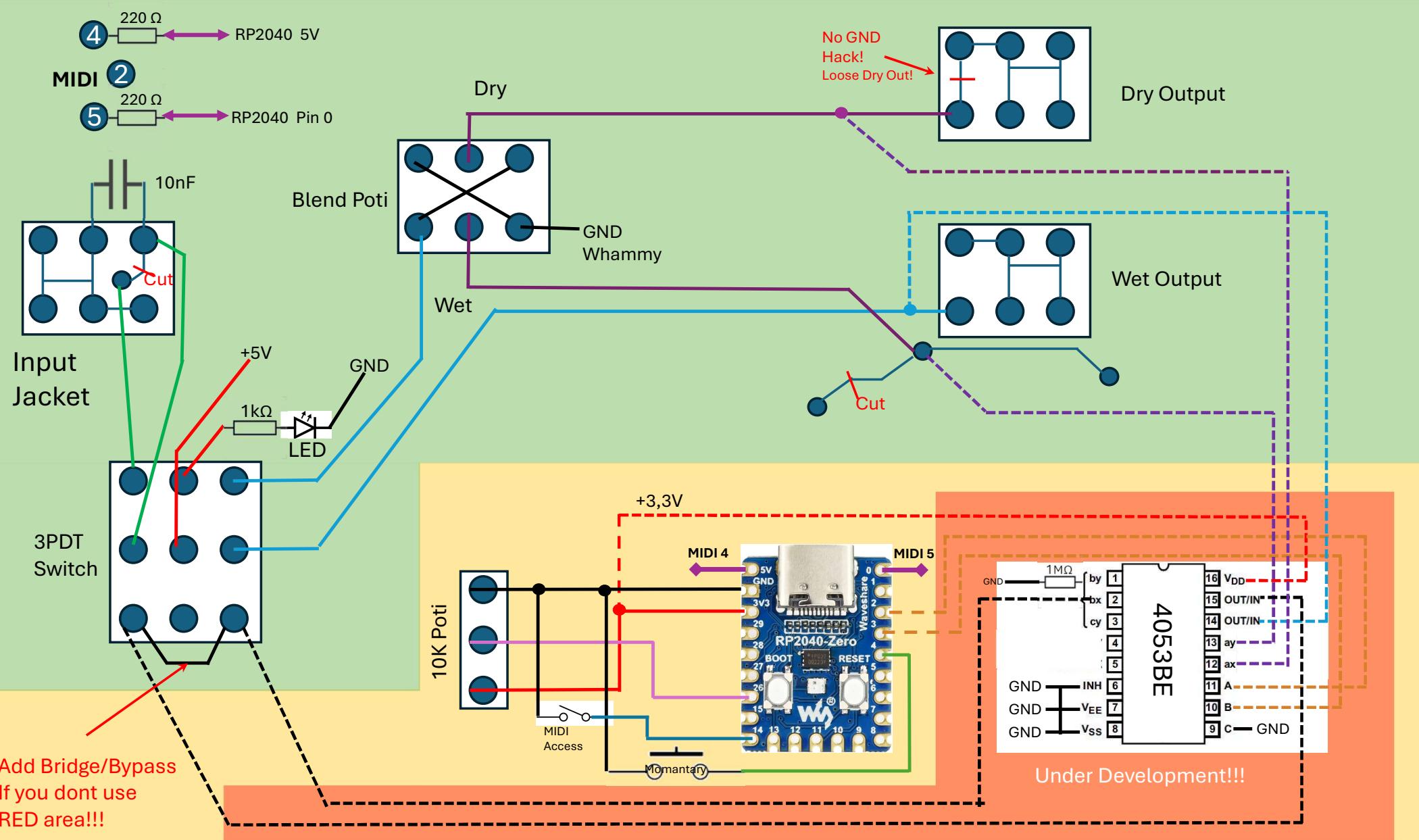
AC/DC  
LM2596HV



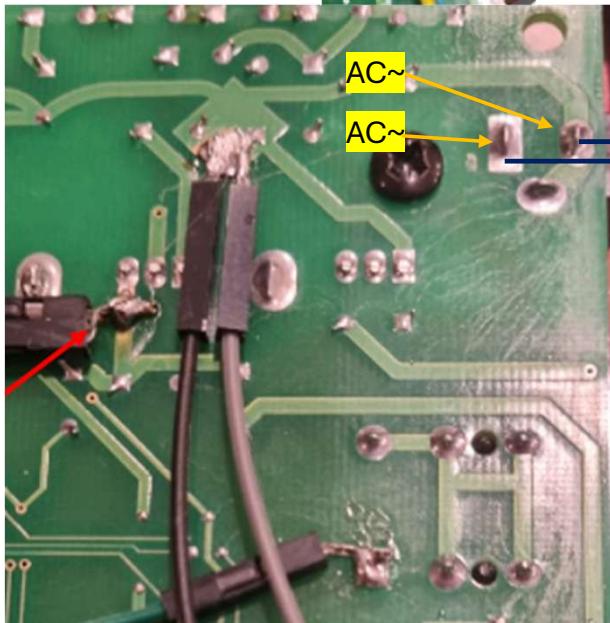
10K $\Omega$



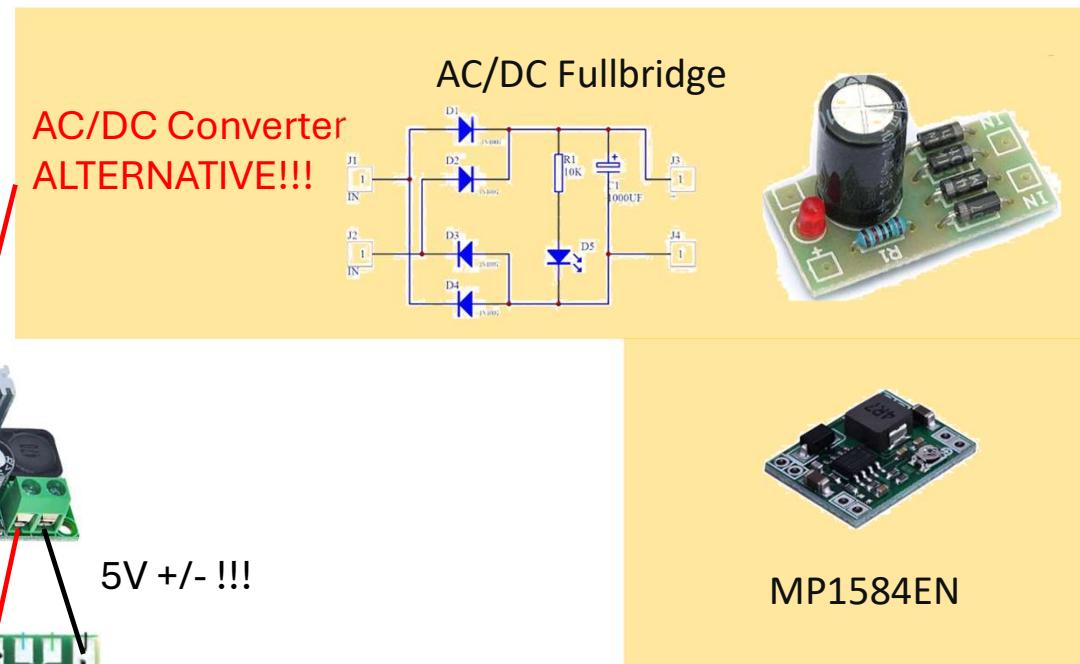
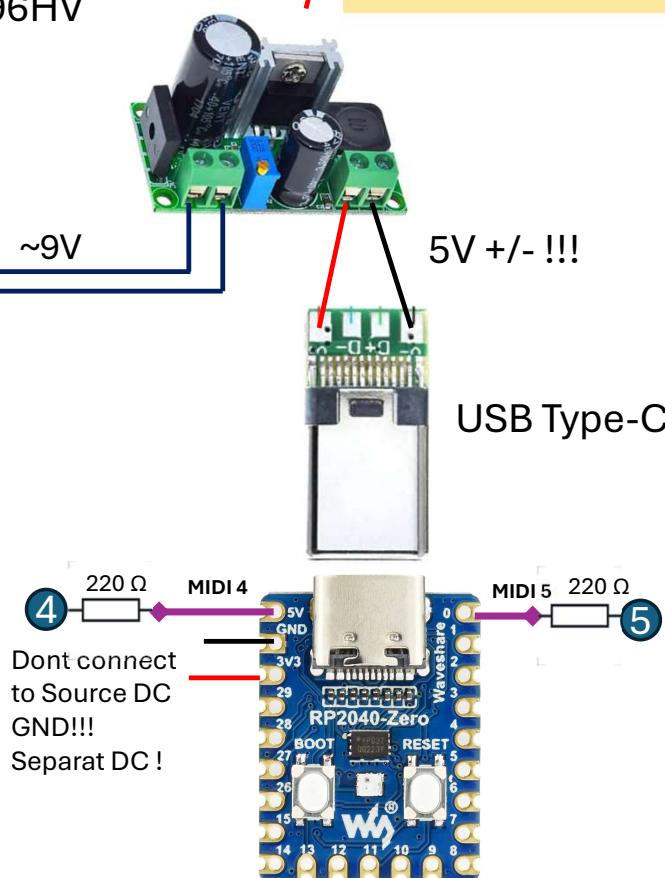
Raspberry Pi  
2040 Zero



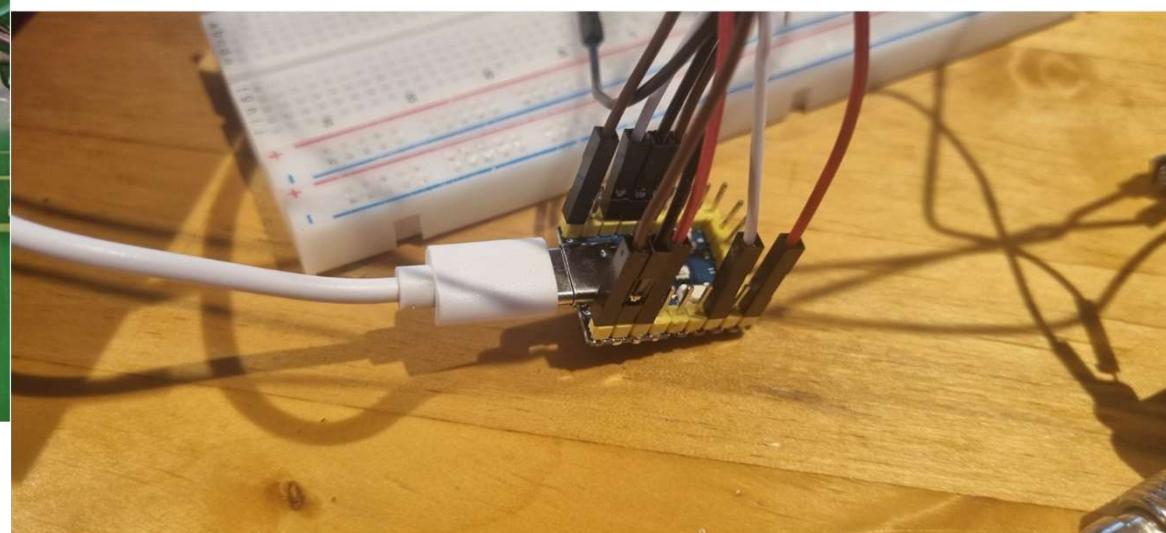
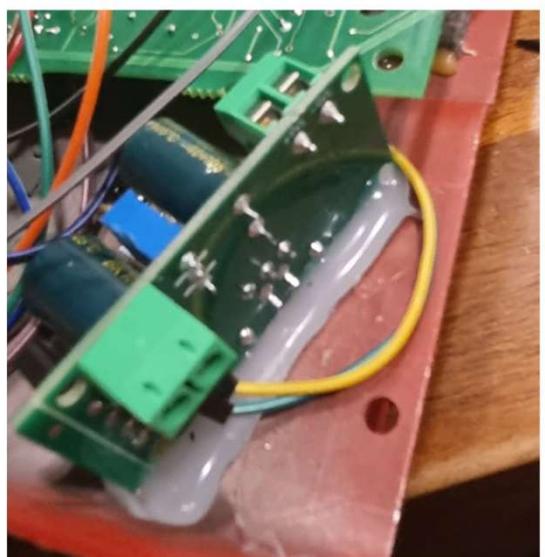
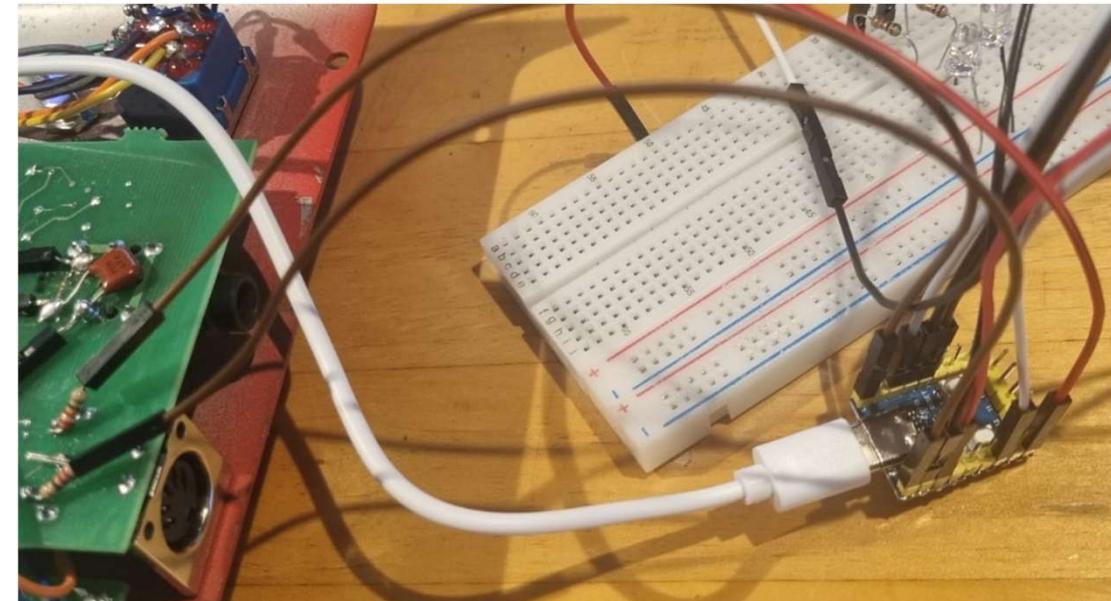
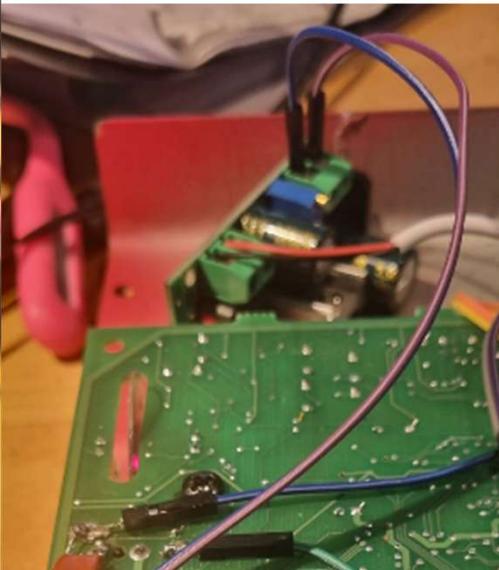
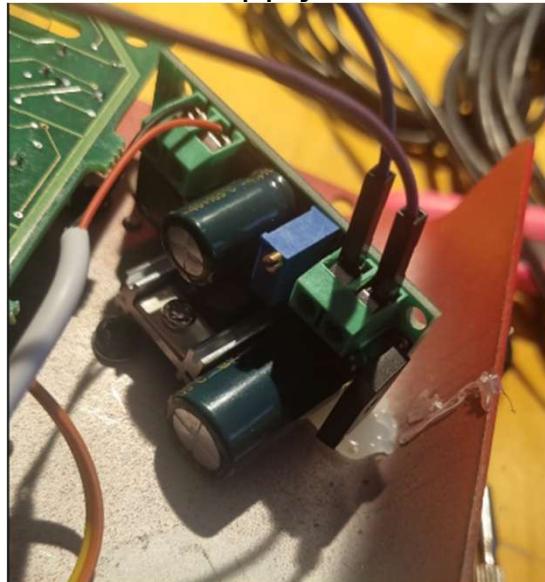
## Power Supply

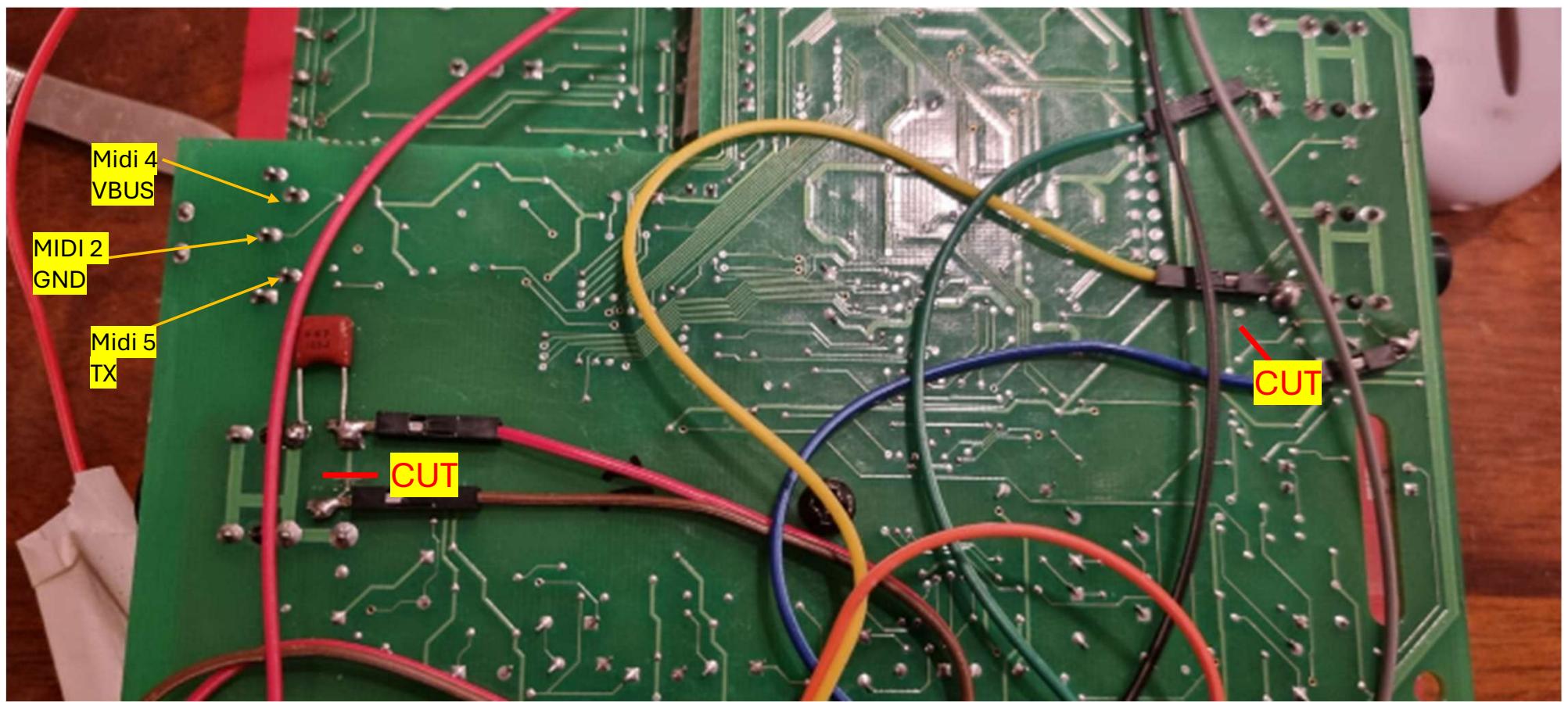


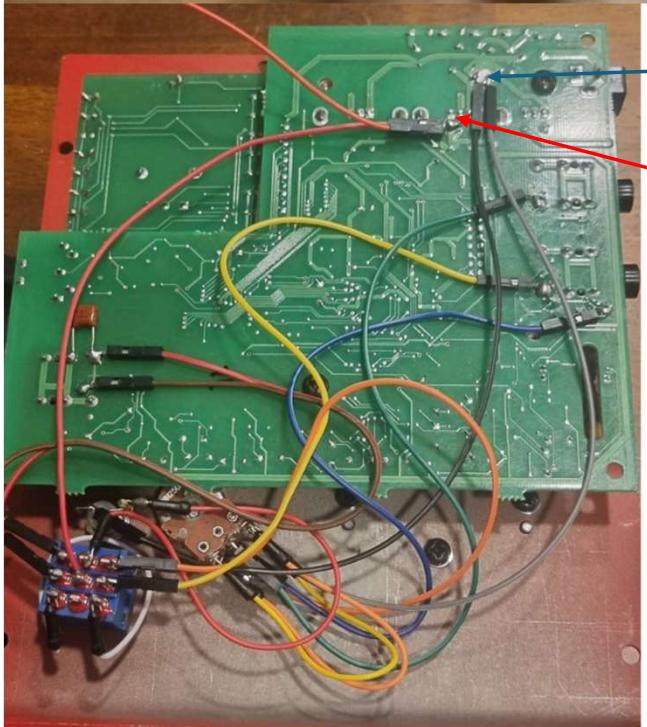
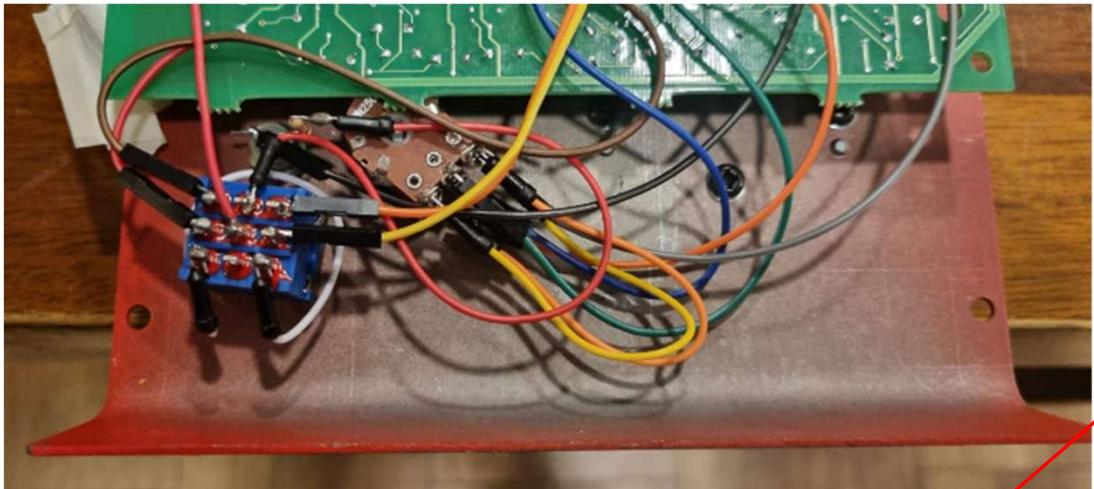
AC/DC Converter  
LM2596HV



## Power Supply

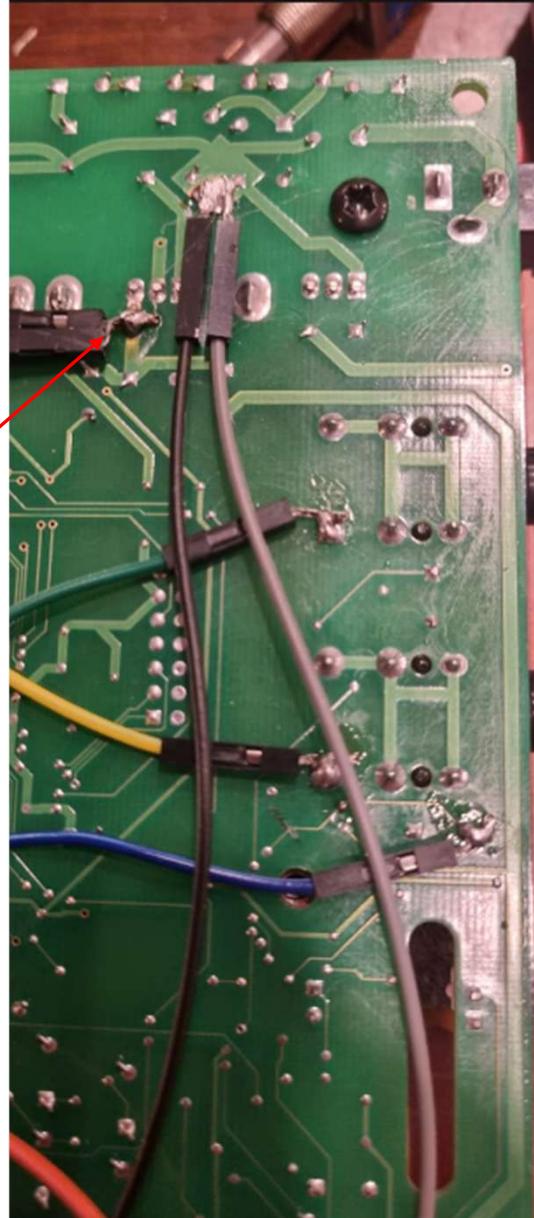


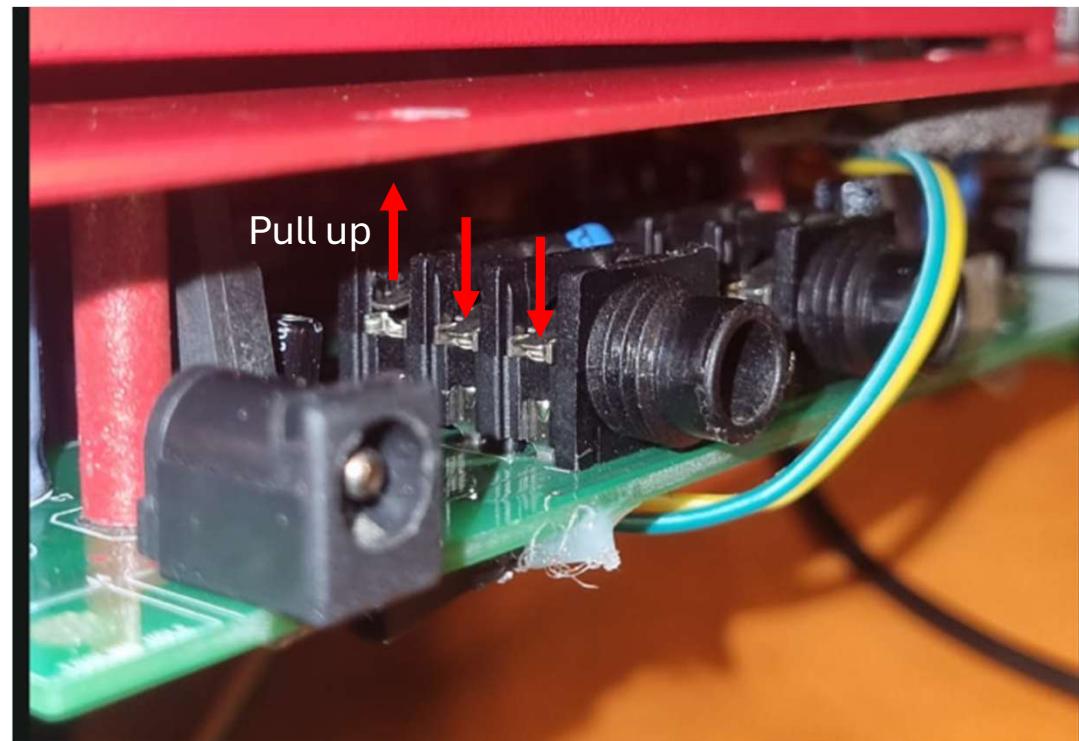
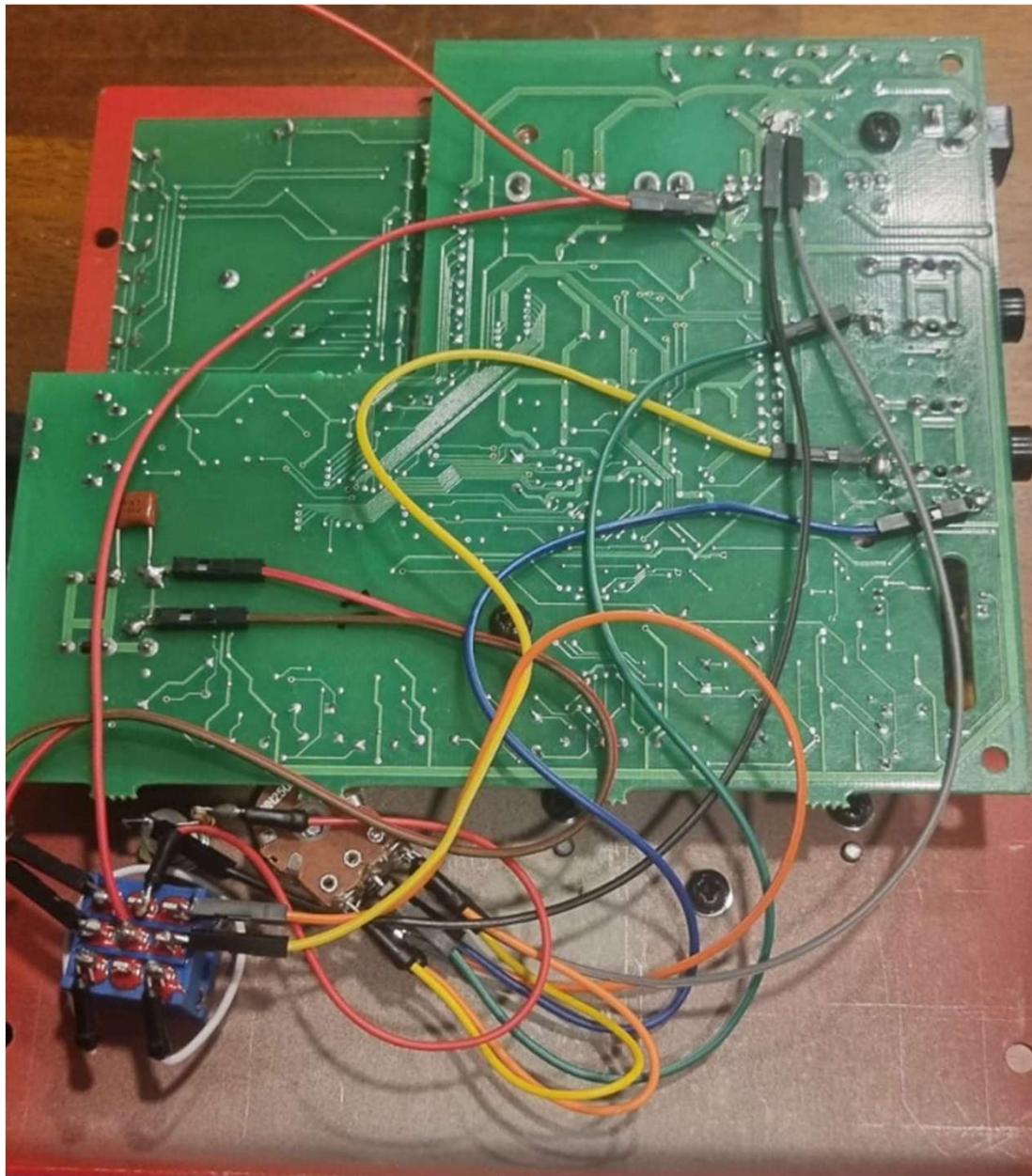




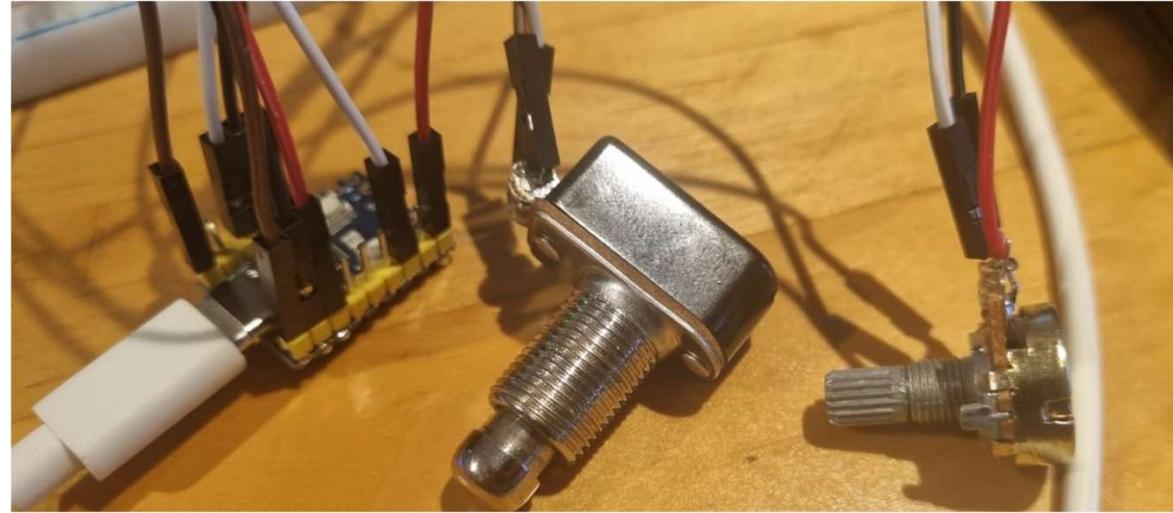
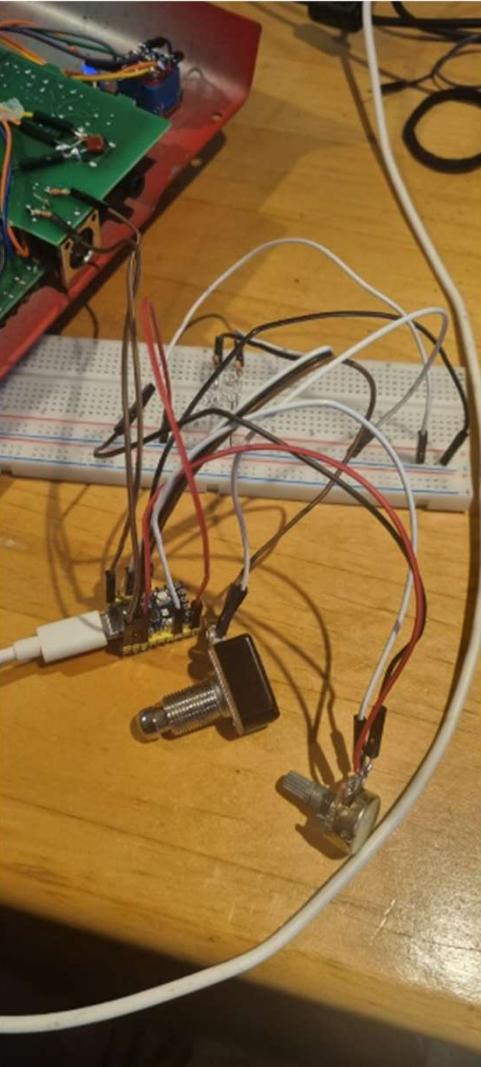
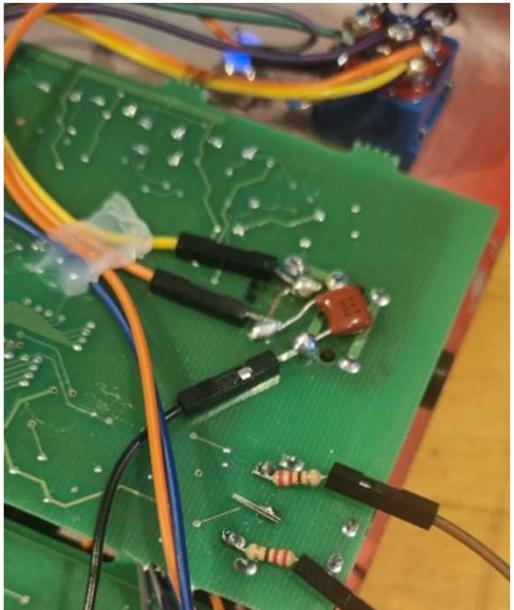
GND LED  
HERE!!!

+5V LED  
HERE!!!





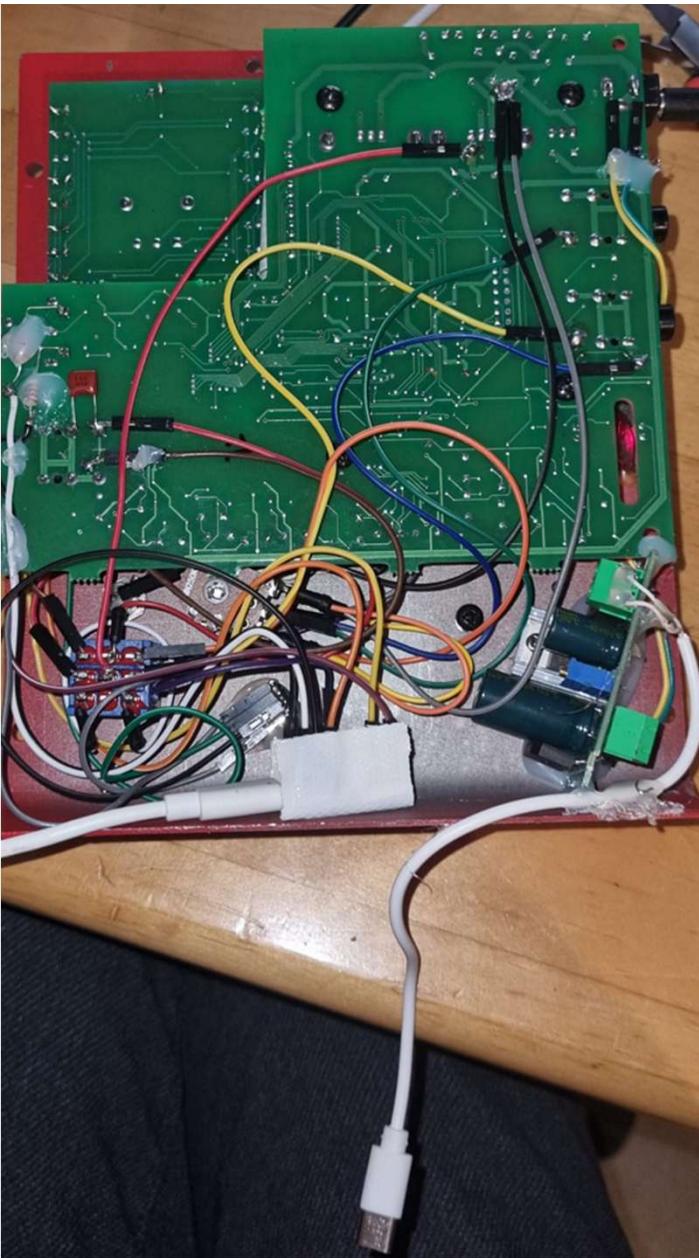
## Midi Test



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

- 2 combinable effect presets

## Final Front/Back



## Flash NEO Software

