

Whammy 4 – Version 1.09  
By melatroid

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True Bypass, Blend Mix  
Shutter Gate Effect  
Change Effects  
Momantary



Calibration

Midi Access

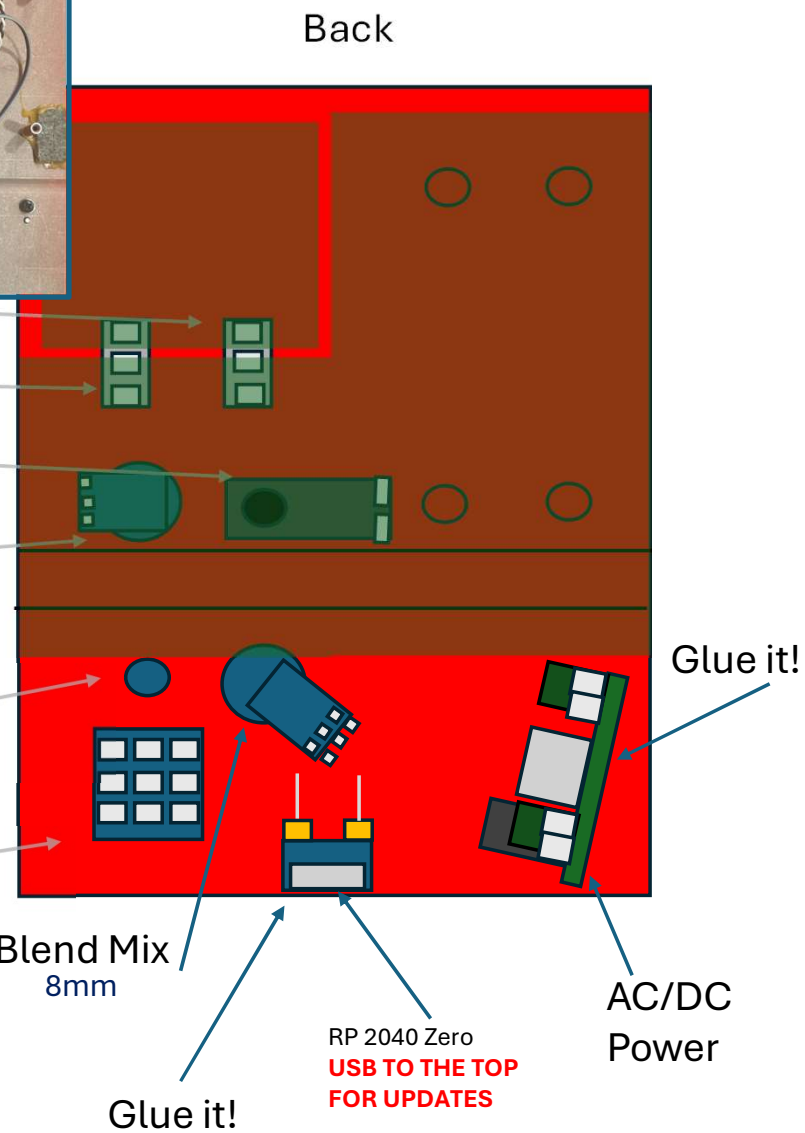
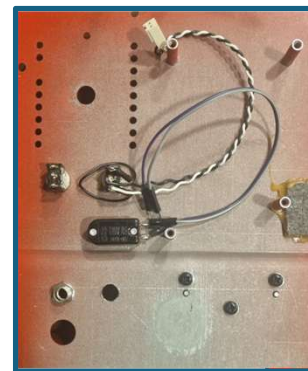
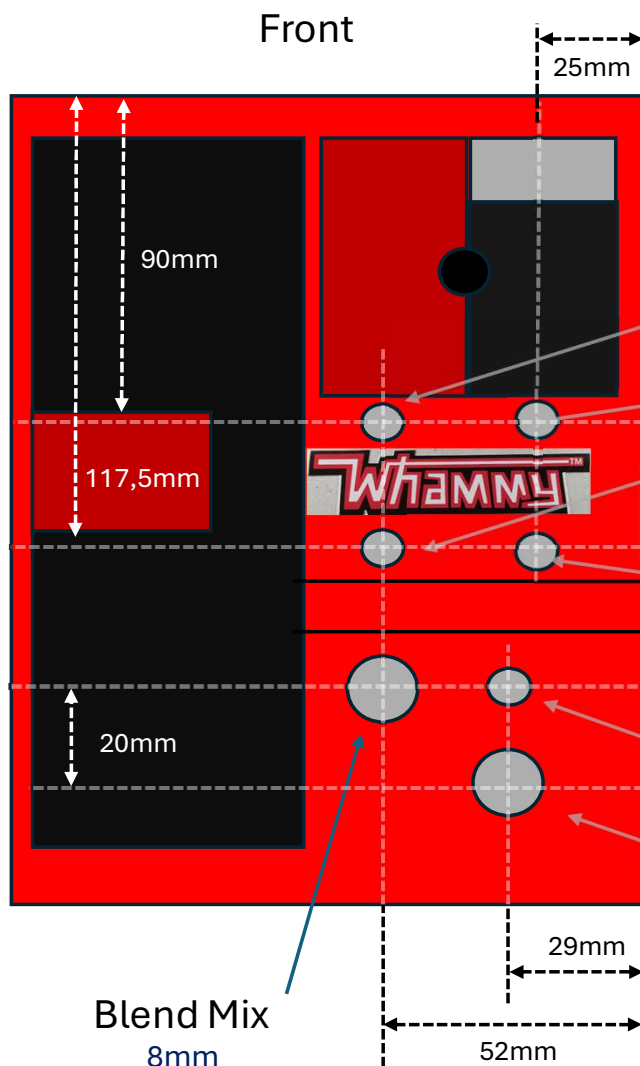
Time

Momantary / Change Effects

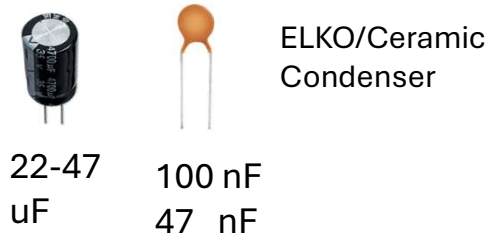
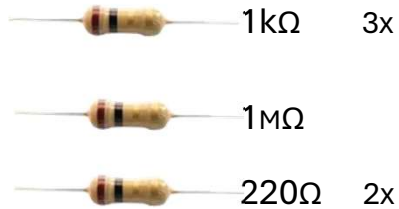
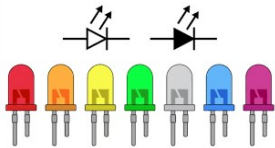
Blend Mix

LED On/OFF

Effect On/OFF



## Parts



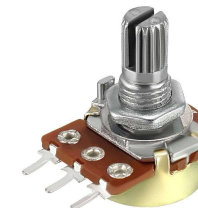
DC/DC  
Isolation



AC/DC  
LM2596HV



10KΩ



Raspberry Pi  
2040 Zero

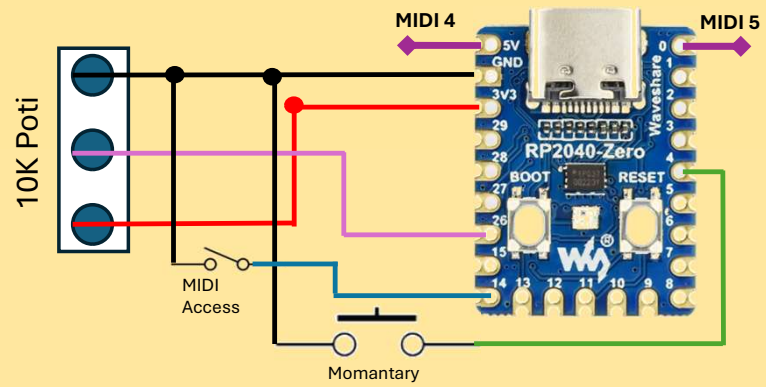
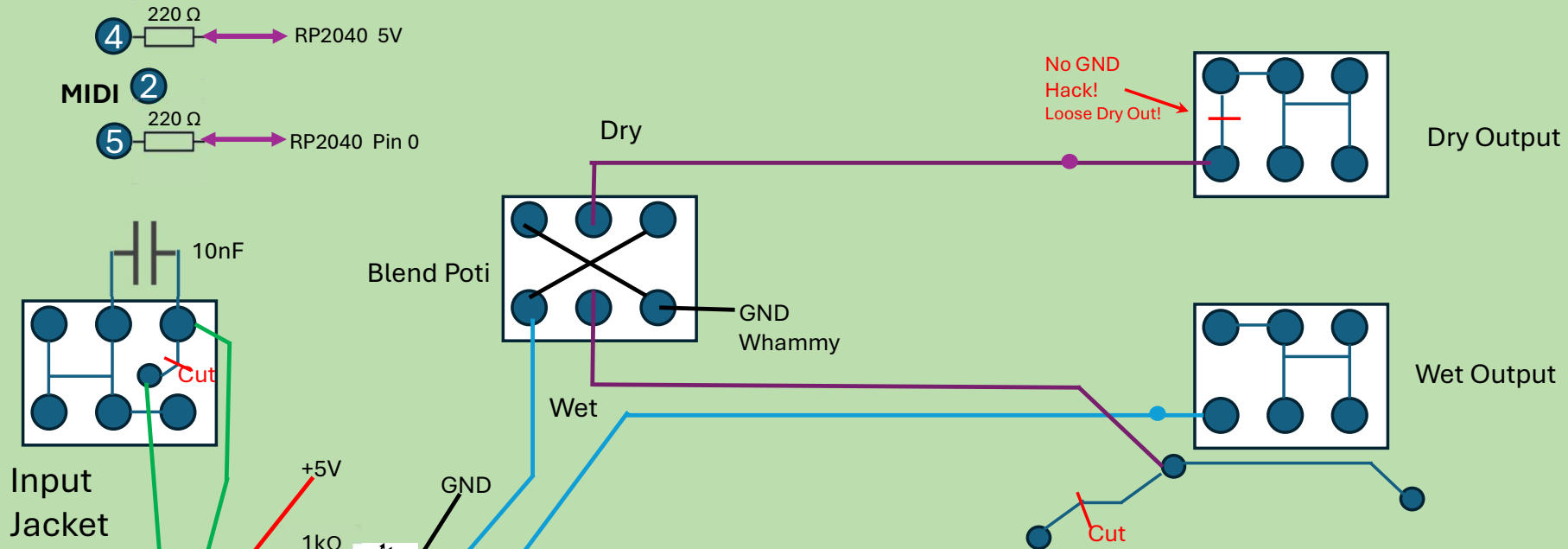


The Whammy is very Noisy but i use a simple  
Noise Gate directly after the Whammy.  
That brings the Action.

Problem is the AC/DC Converter...

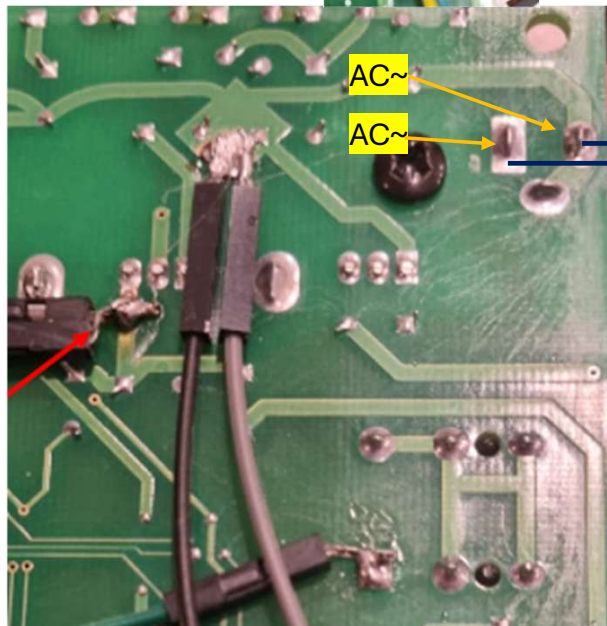
Try to fix this





Power Supply

Power Supply **PLAN A**



AC/DC Converter  
LM2596HV



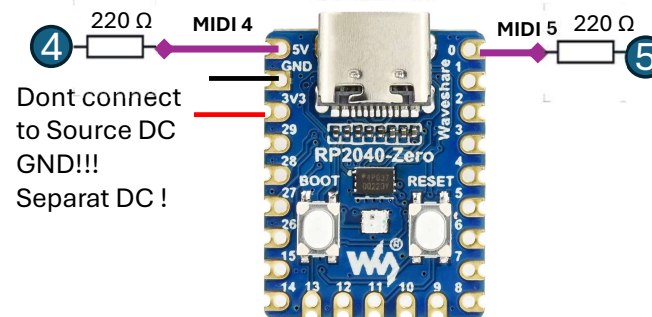
Get a new fix!!!  
Look Plan B

~9V

5V +/- !!!

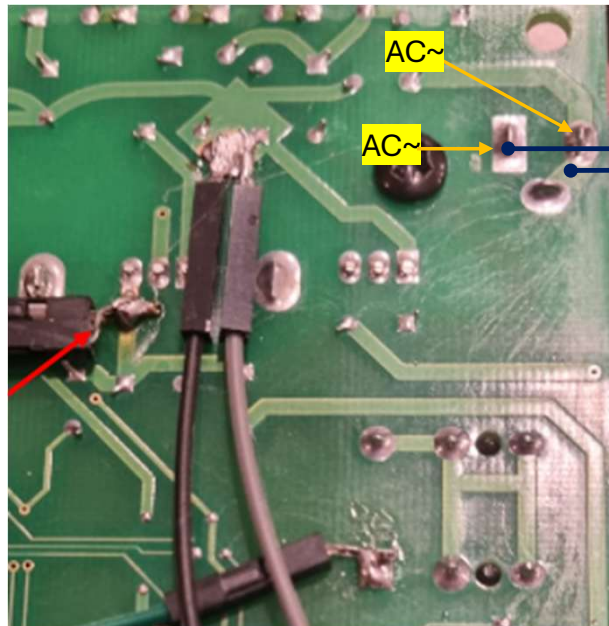


USB Type-C





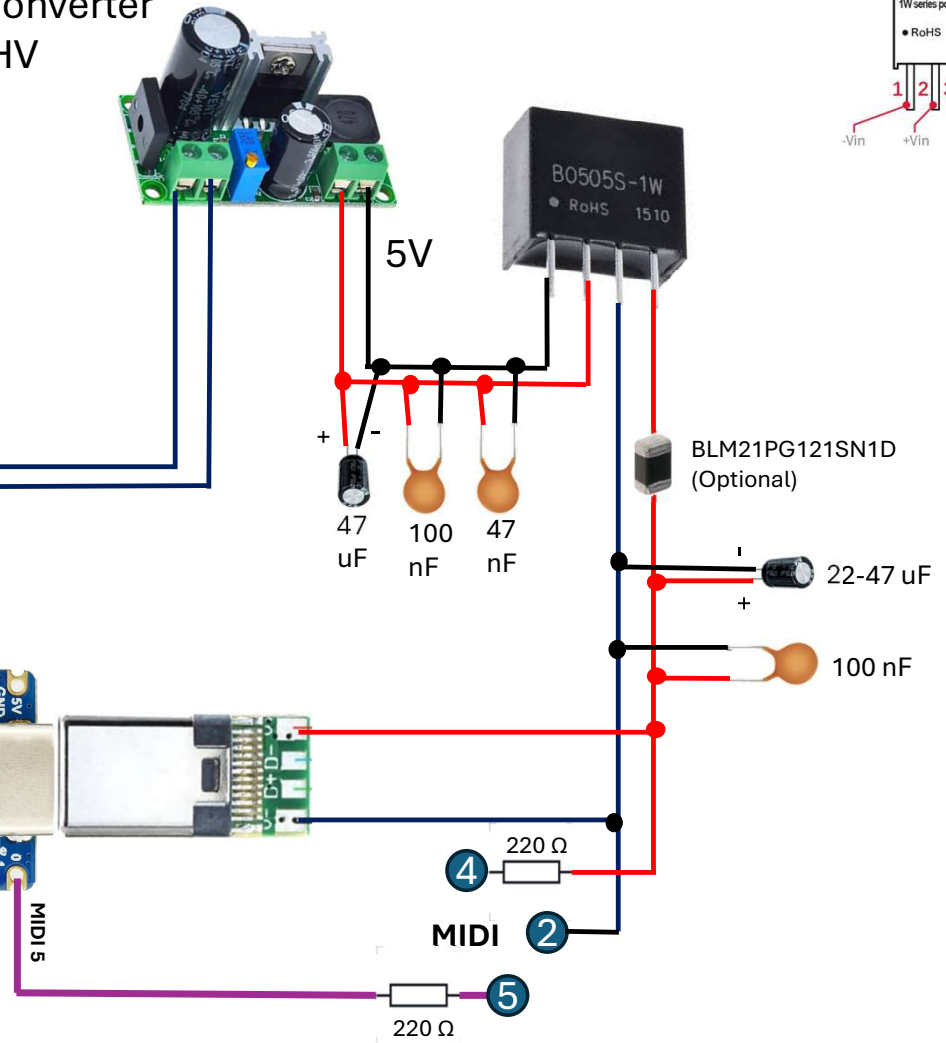
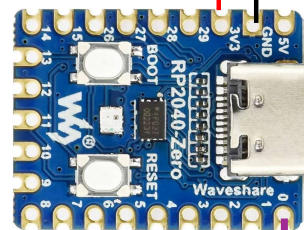
## Power Supply **PLAN B**



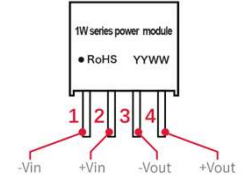
## AC/DC Converter LM2596HV

~9V

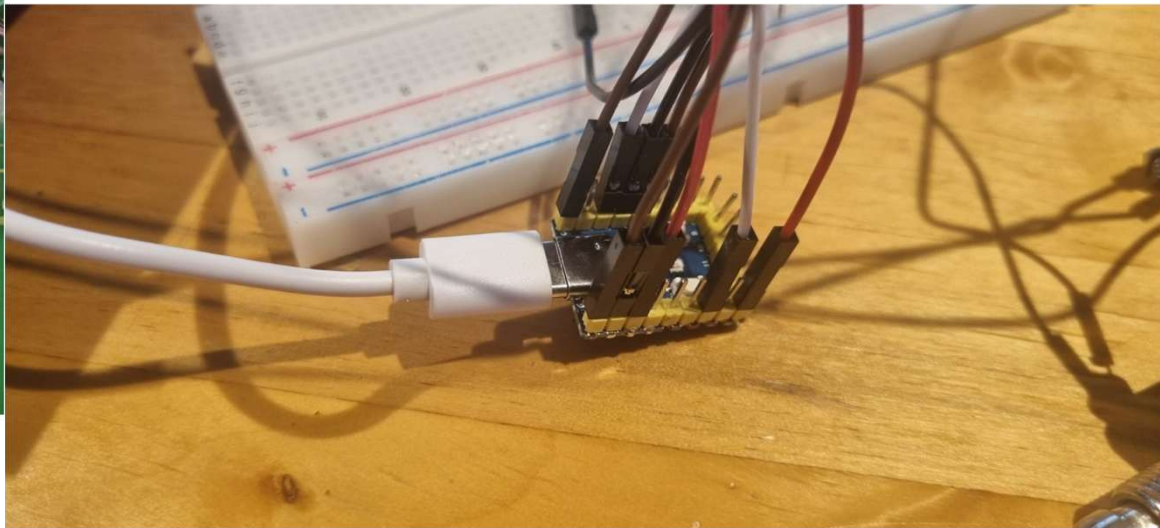
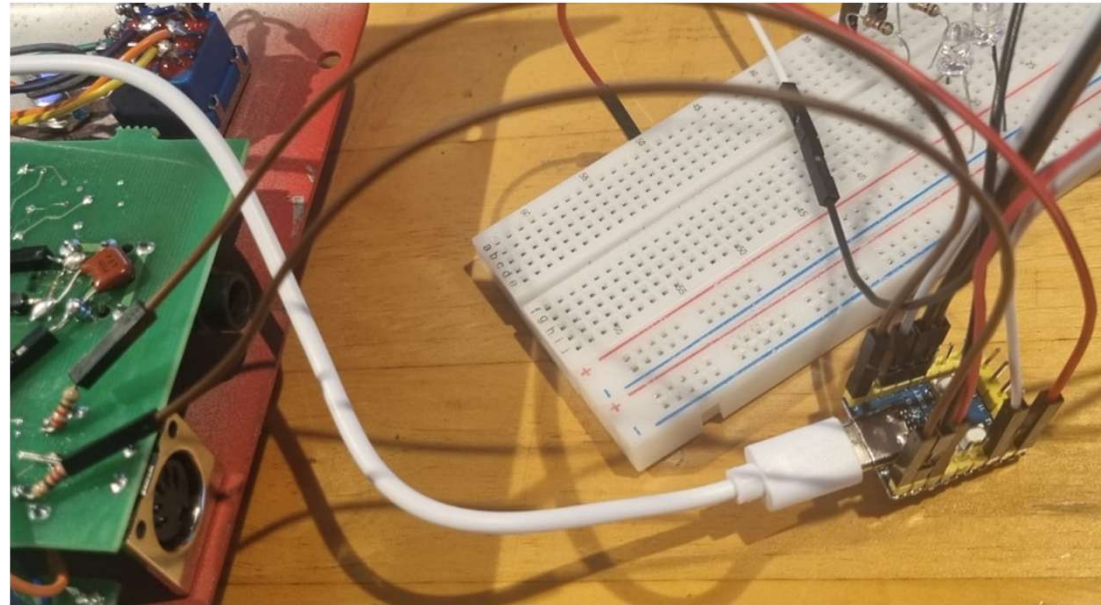
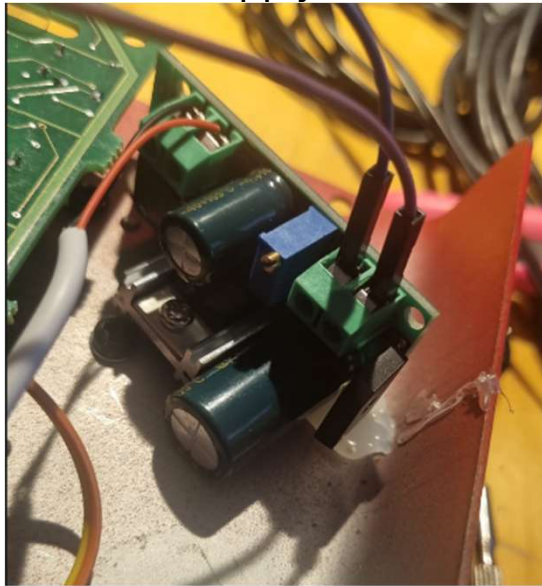
Dont connect to  
Source DC GND!!!  
Separat DC !



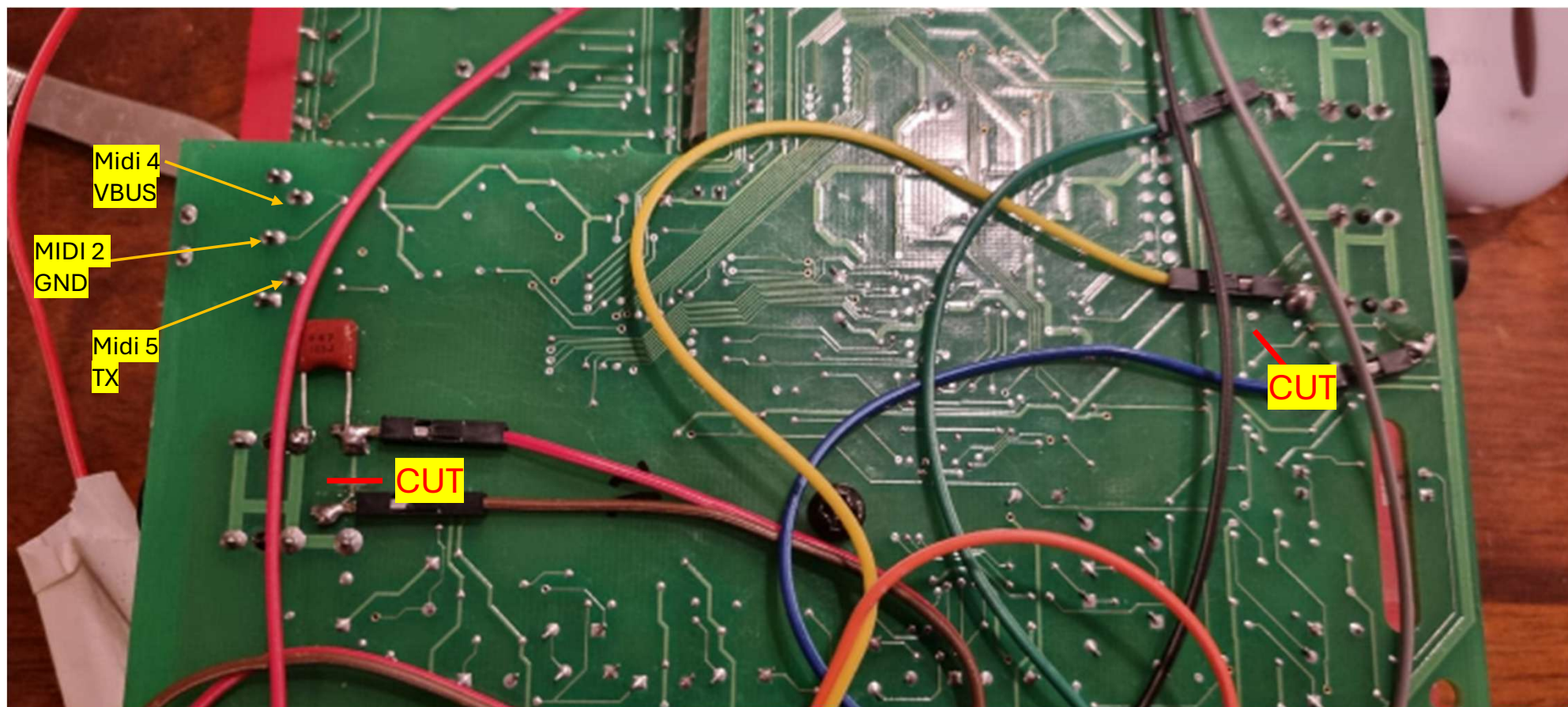
### PIN DESCRIPTION



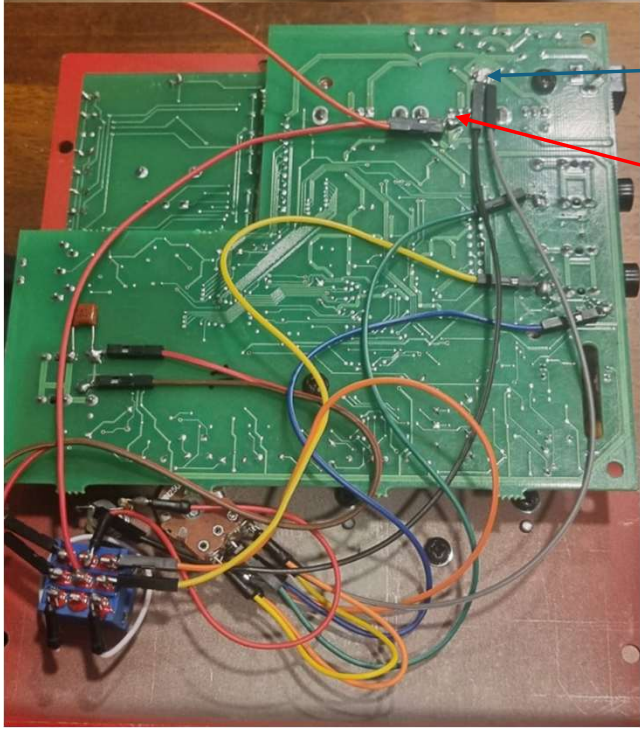
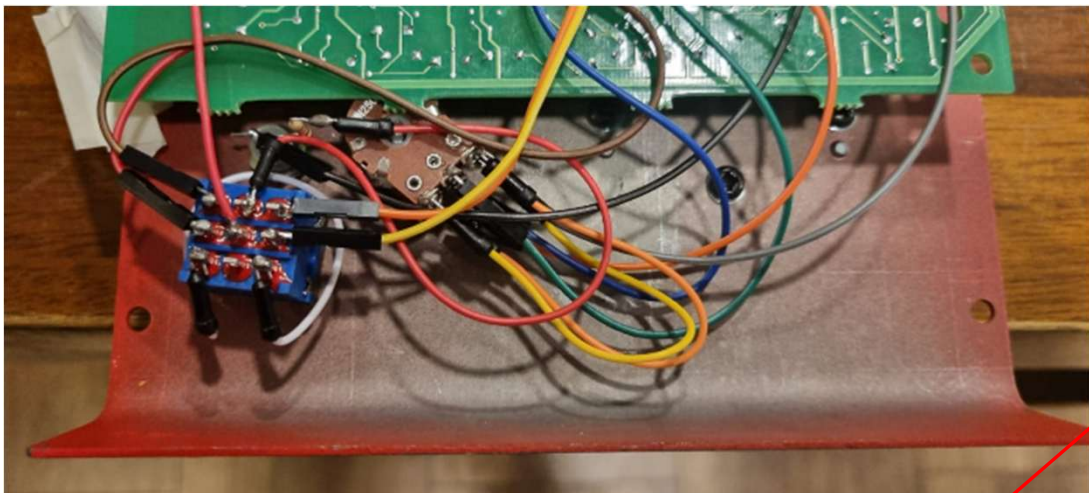
Power Supply





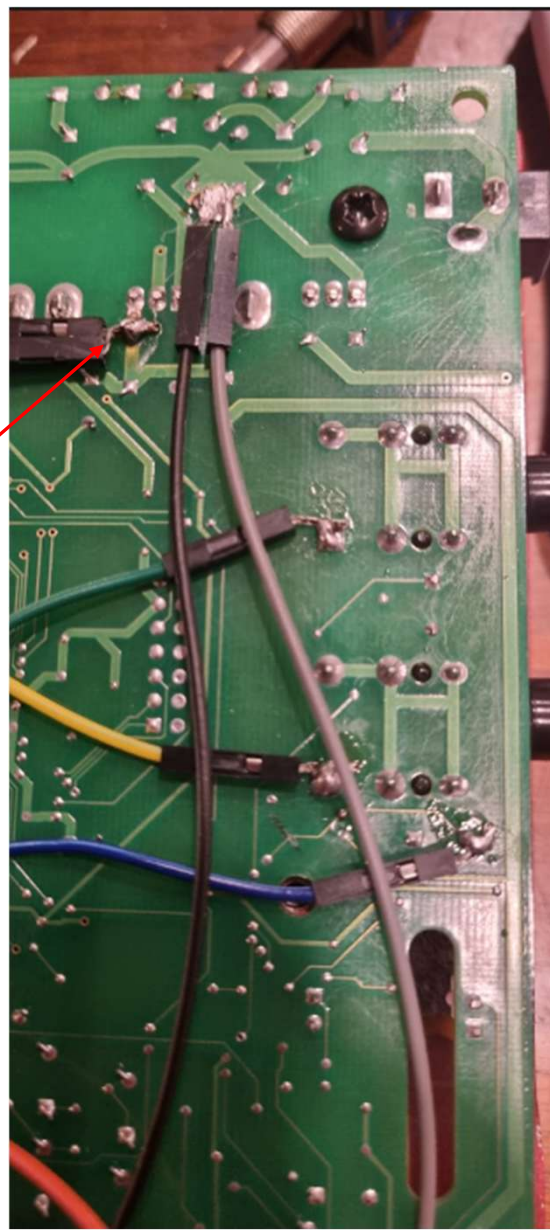




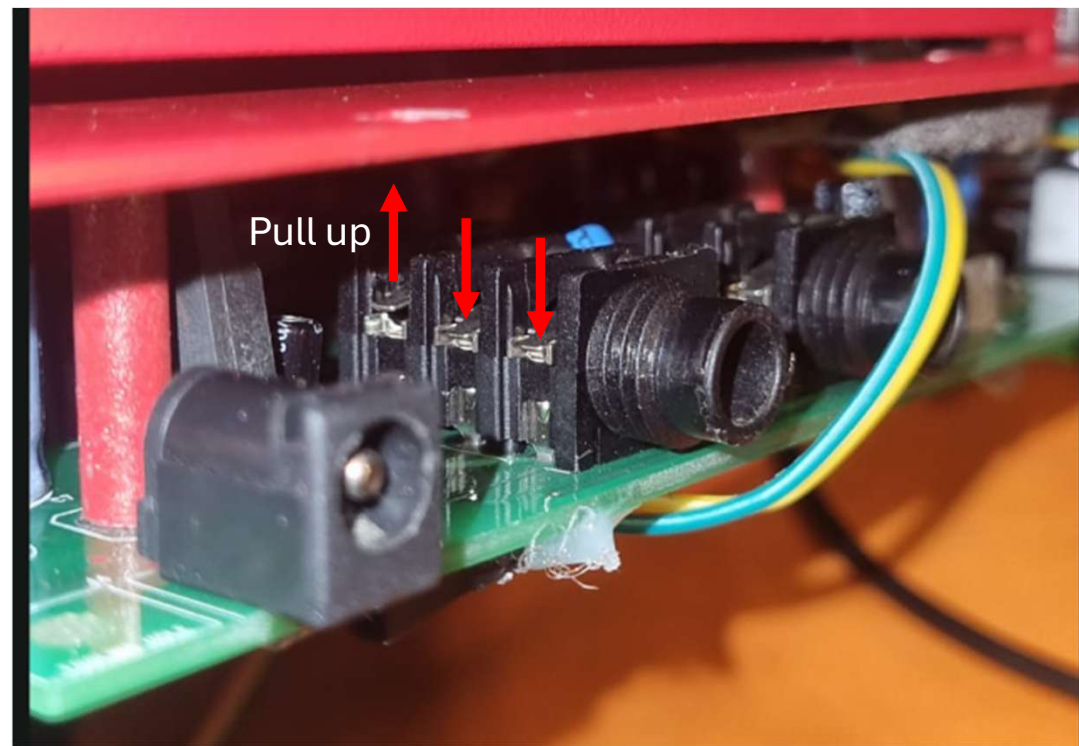
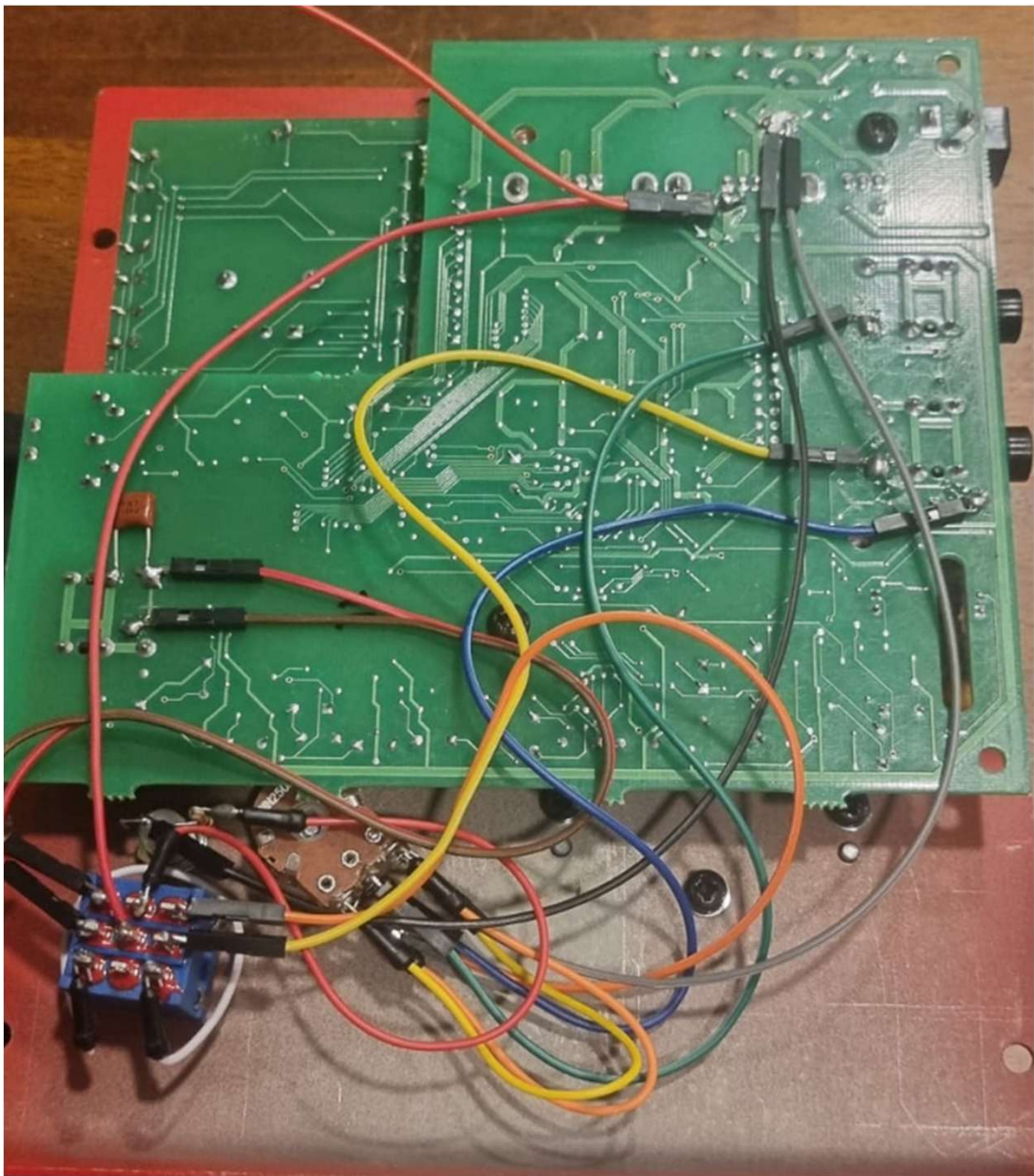


GND LED  
HERE!!!

+5V LED  
HERE!!!

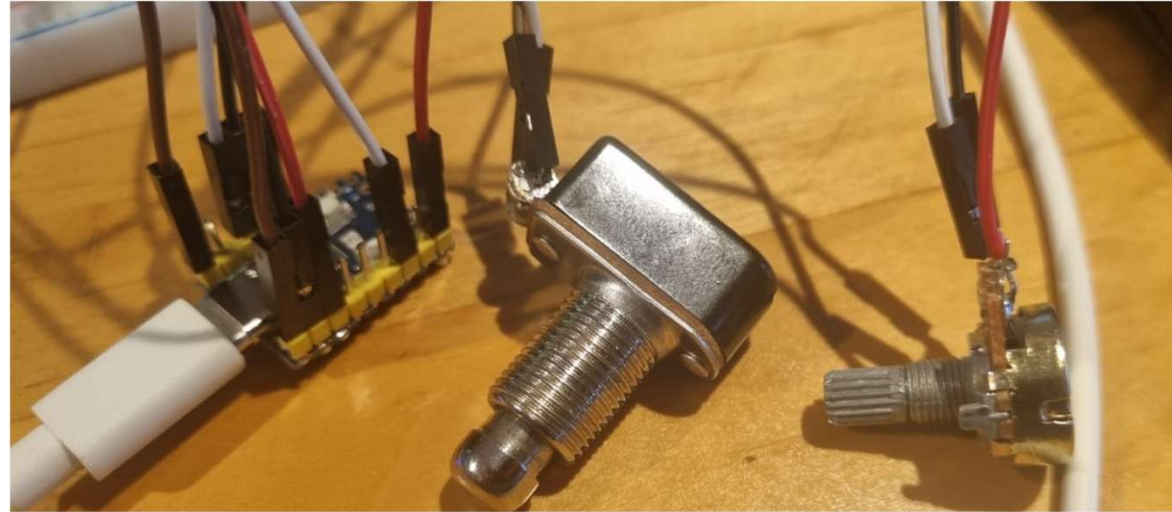
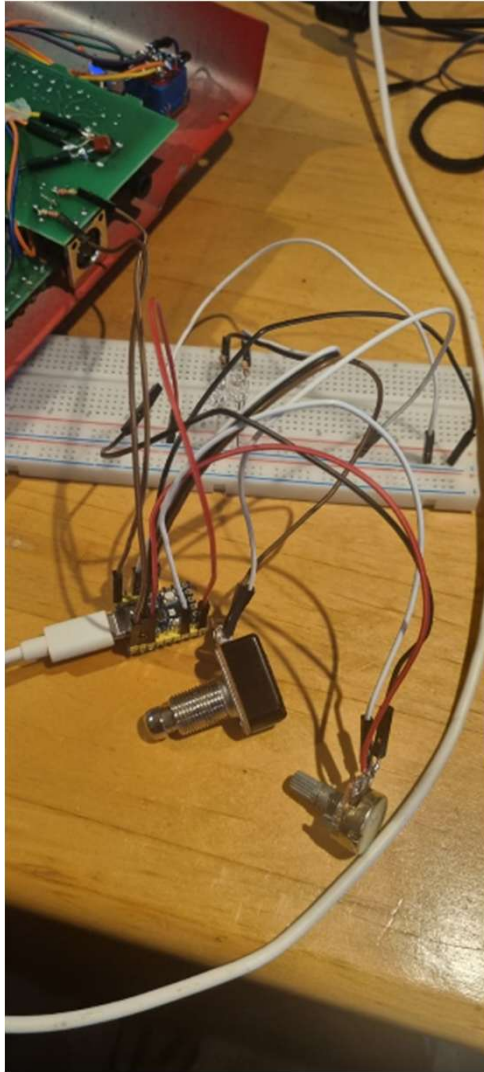
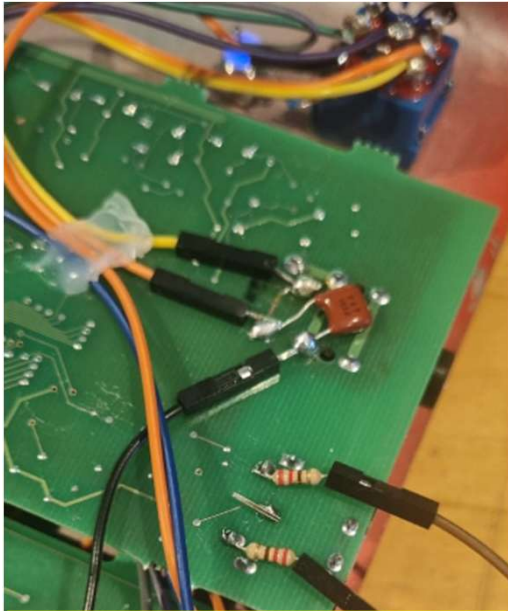








## Midi Test

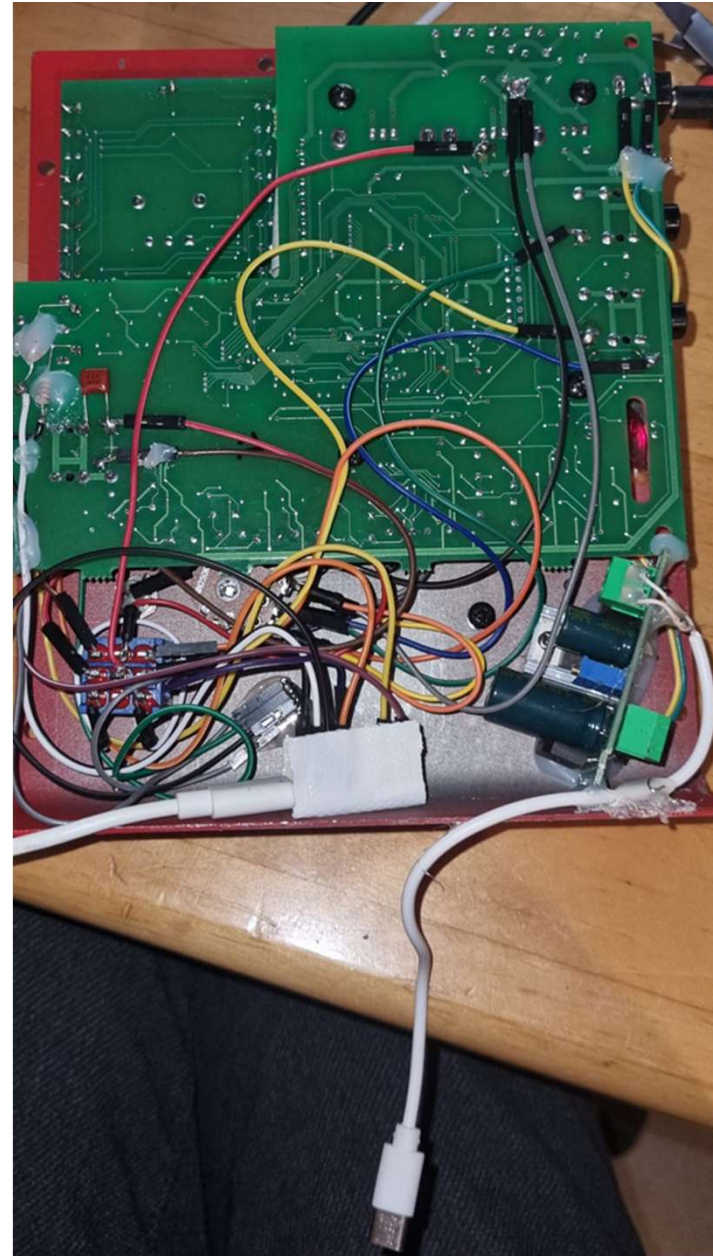


<https://youtube.com/shorts/wjgEext1rCg>

- 2 combinable effect presets



Final Front/Back



Flash NEO  
Software

