

Whammy 4 – Version 1.08
By melatroid

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True Bypass, Blend Mix
Shutter Gate Effect
Change Effects
Momantary



Calibration

Midi Access

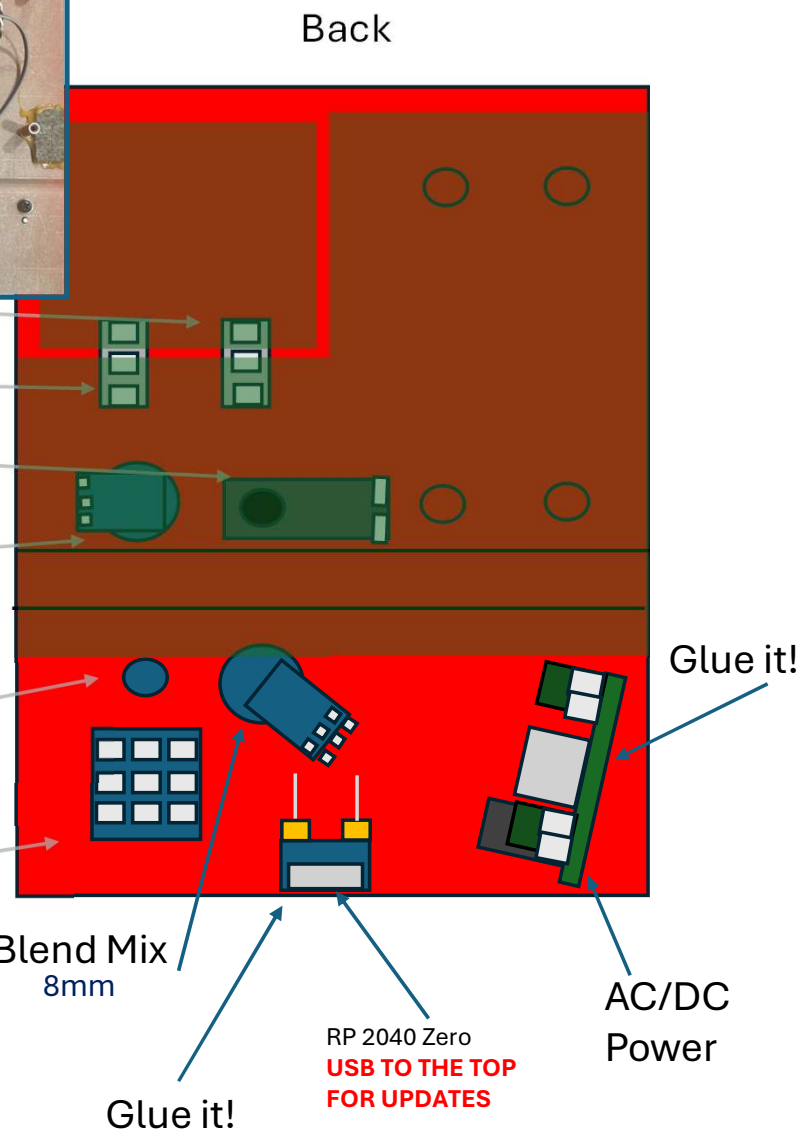
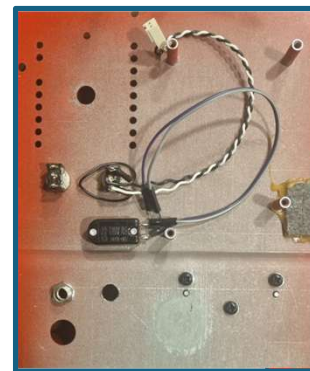
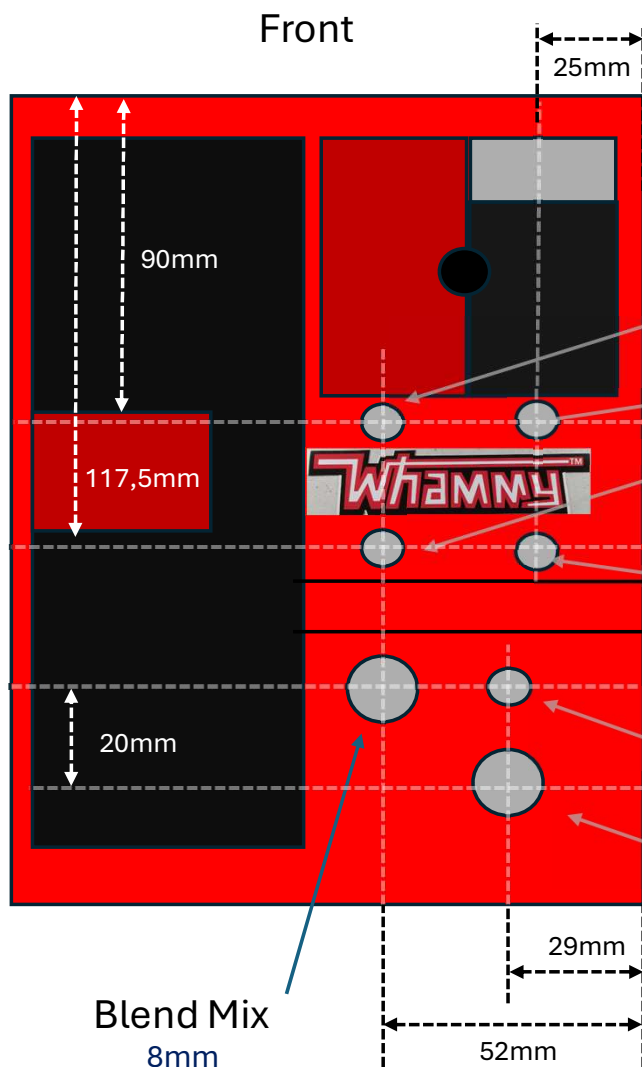
Time

Momantary / Change Effects

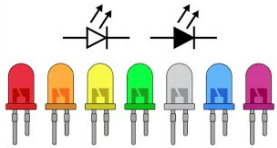
Blend Mix

LED On/OFF

Effect On/OFF



Parts



1k Ω 3x

1M Ω

220 Ω 2x



10nF
(optional)



Toggle Switch 2x
Midi Access /
Calibration



Momantary
(Original Part)



250k Ω
Blend



3PDT



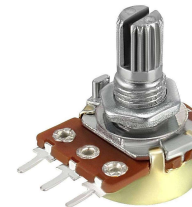
The Whammy is very Noisy but i use a simple
Noise Gate directly after the Whammy.
That brings the Action.

Problem is the AC/DC Converter...

AC/DC
LM2596HV

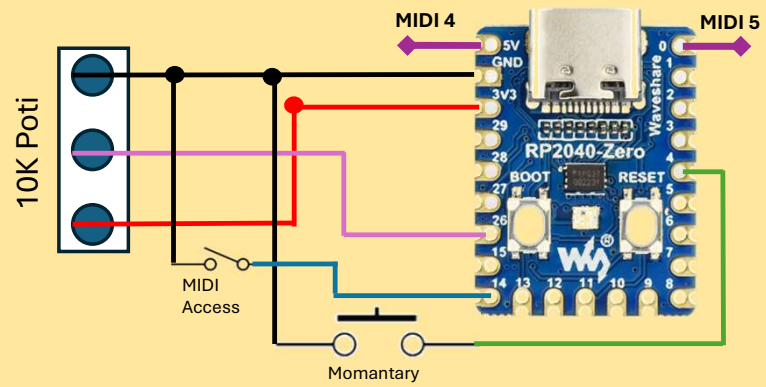
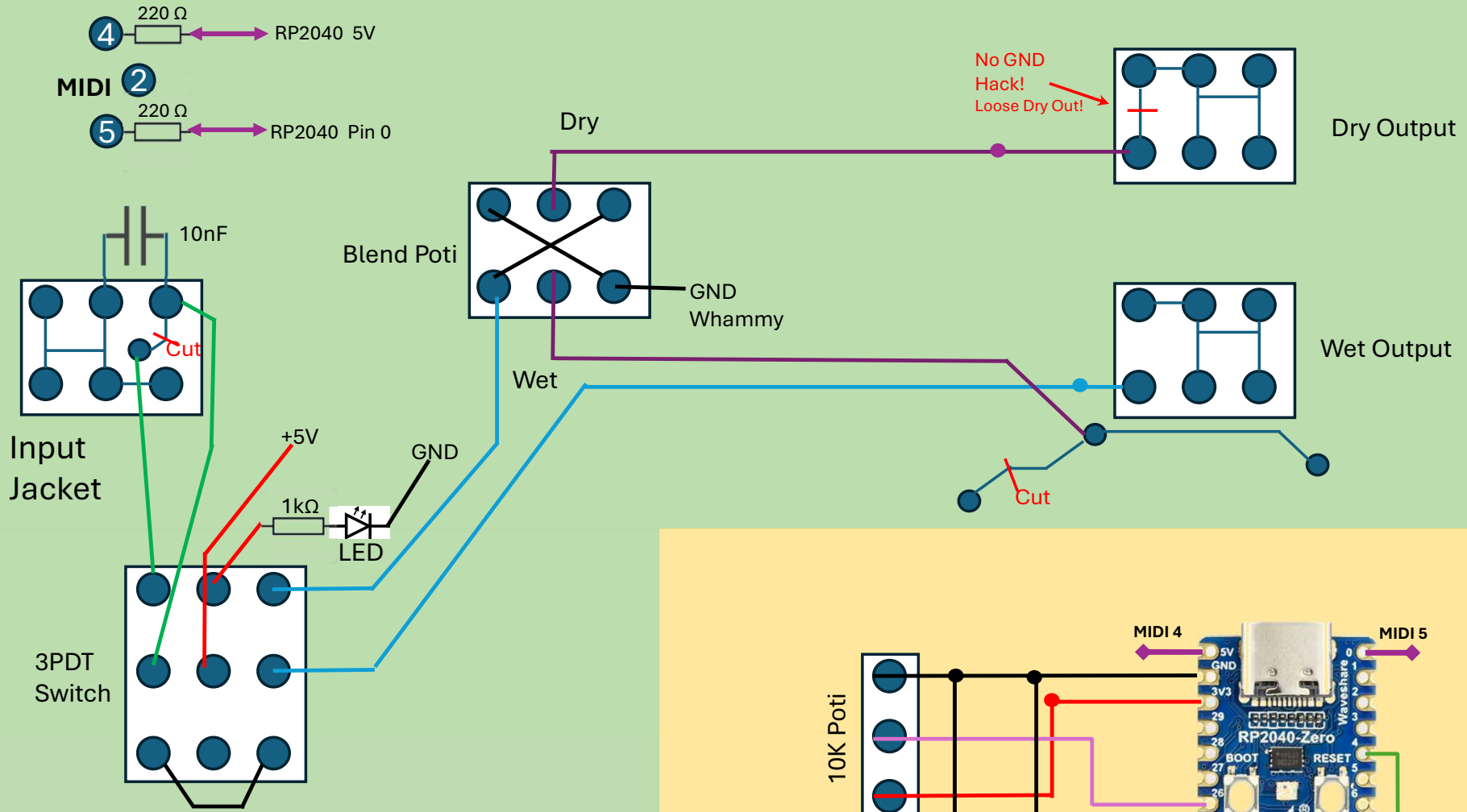


10K Ω



Raspberry Pi
2040 Zero





Power Supply

Power Supply **PLAN A**



AC/DC Converter
LM2596HV

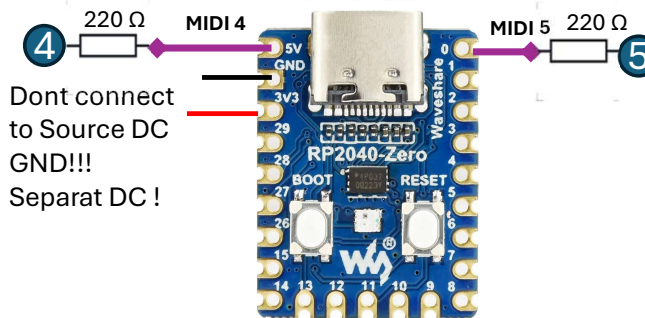


Get a new fix!!!

~9V

5V +/- !!!

USB Type-C



Power Supply **PLAN B**



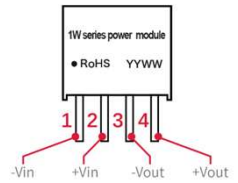
AC/DC Converter
LM2596HV



5V



PIN DESCRIPTION



BLM21PG121SN1D

22-47 μ F

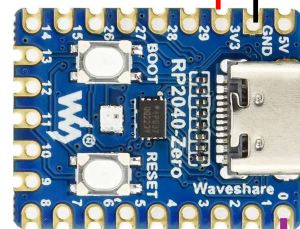
100 nF

220 Ω

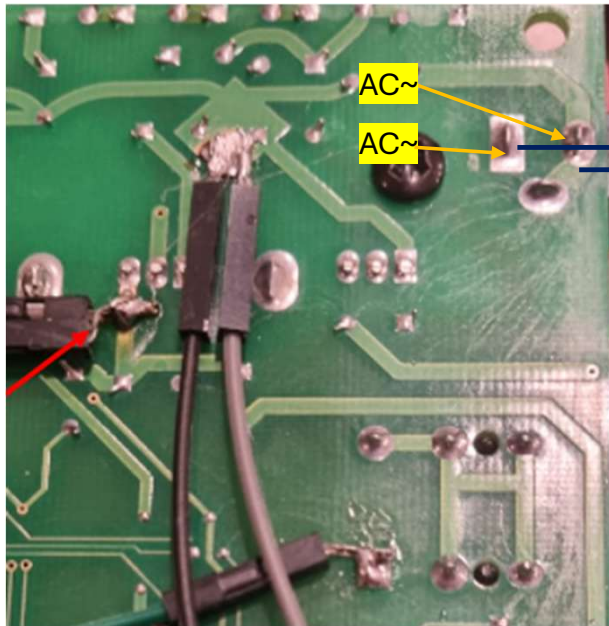
MIDI

220 Ω

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



MIDI5

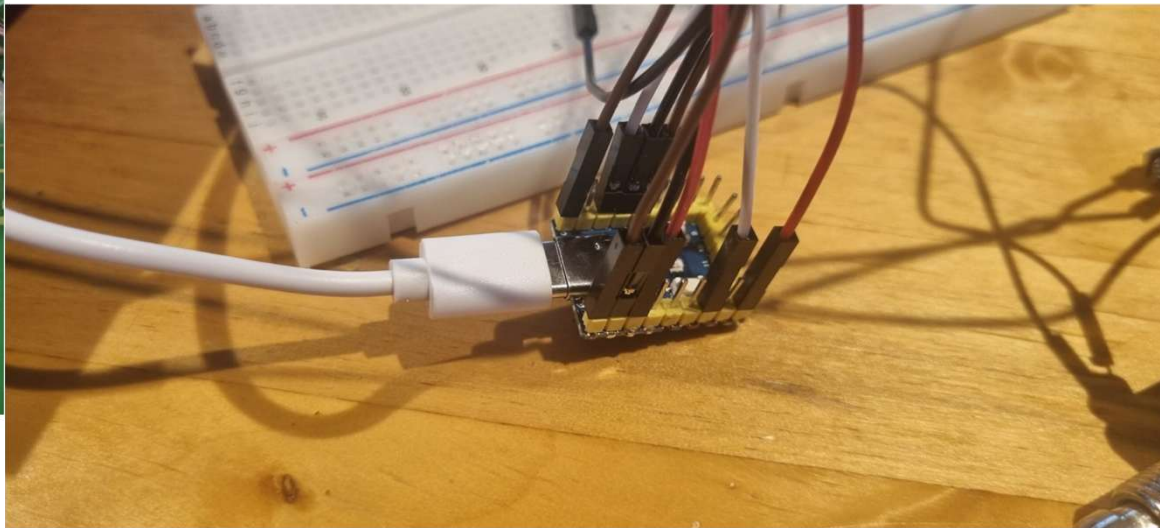
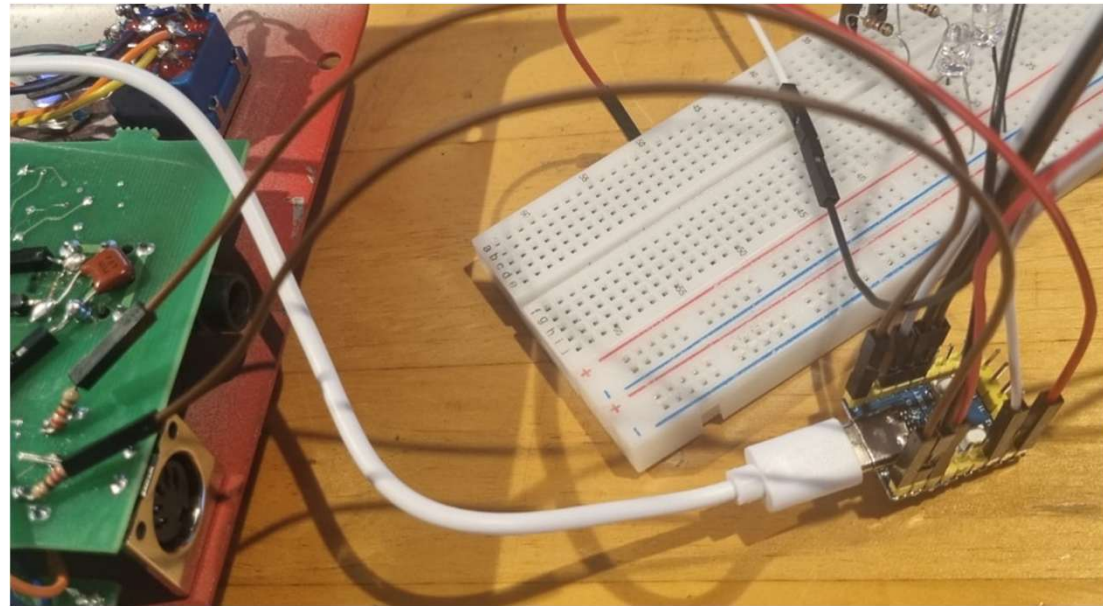
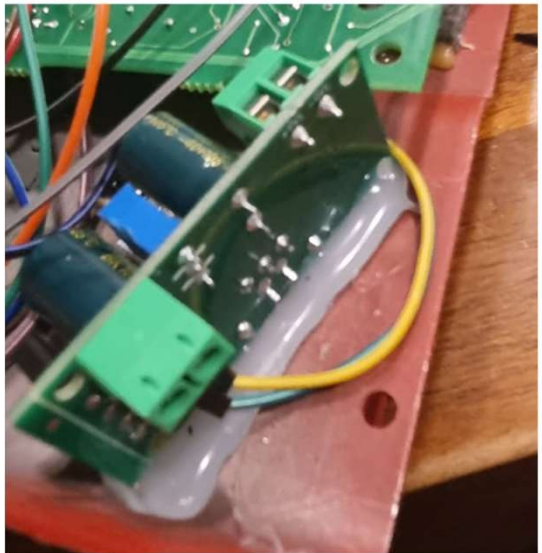
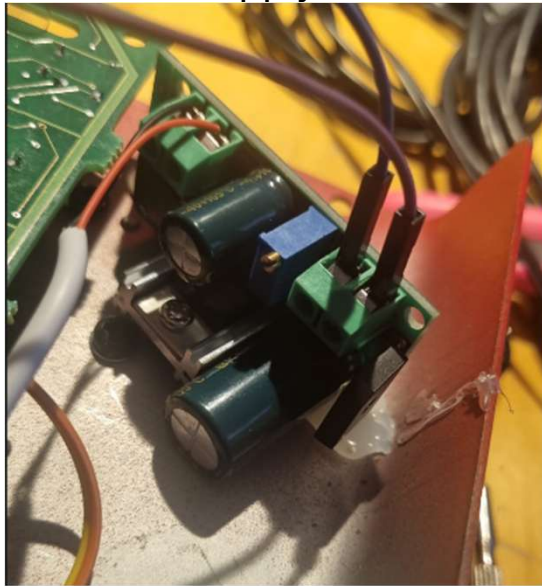


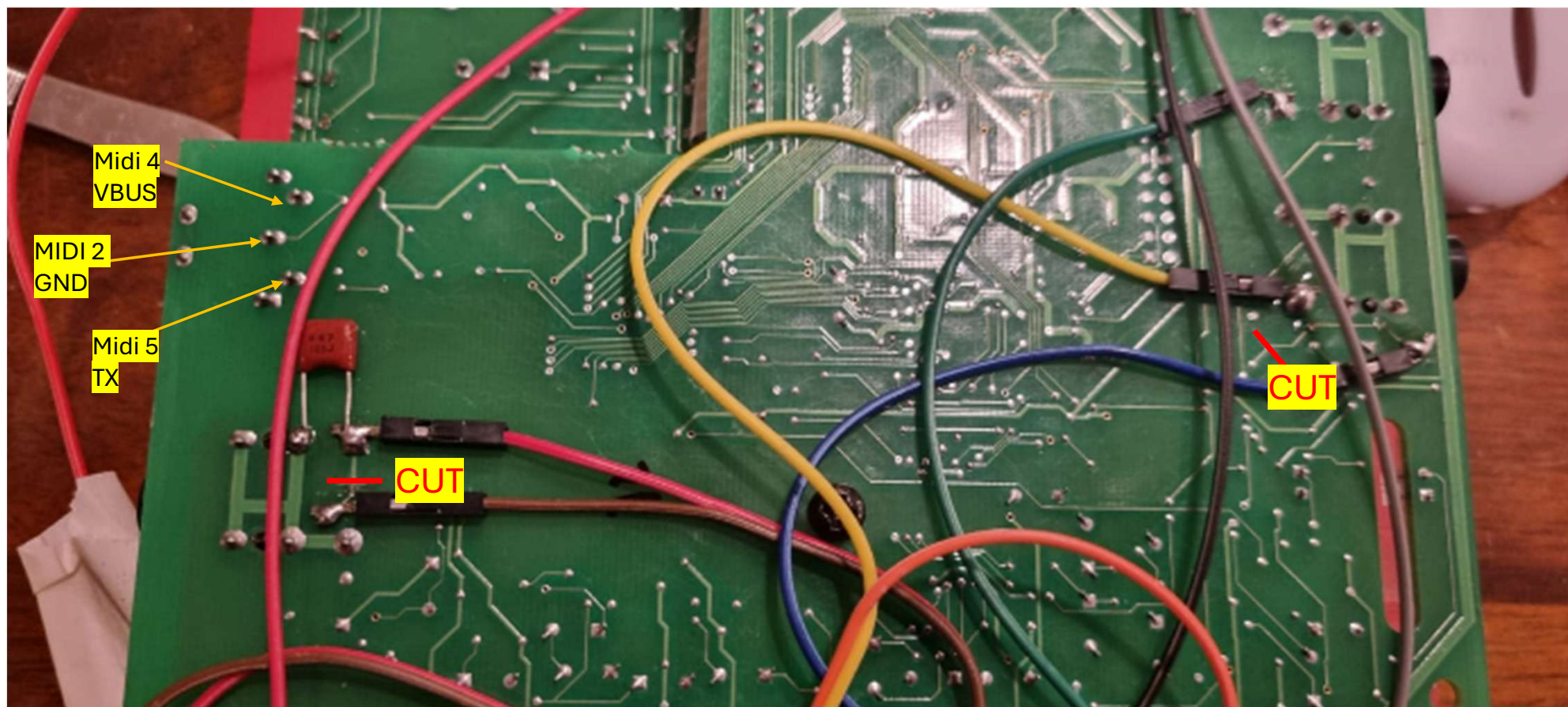
AC~

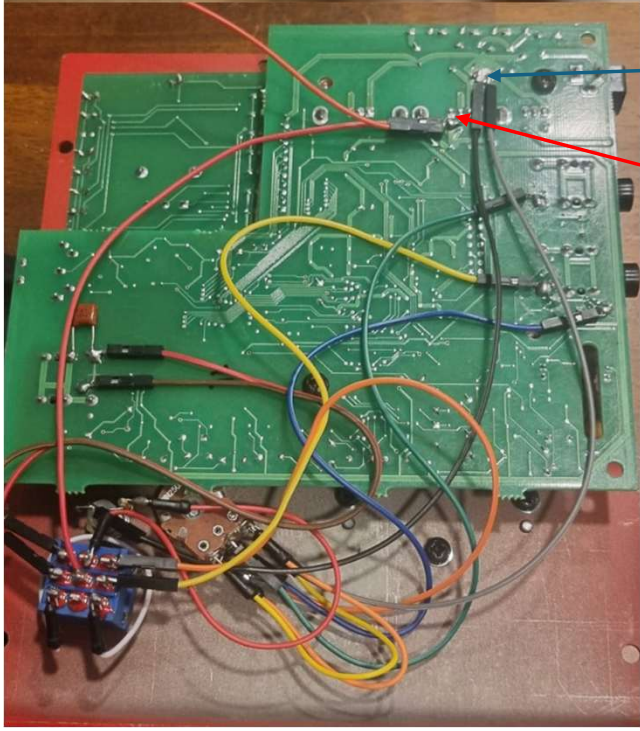
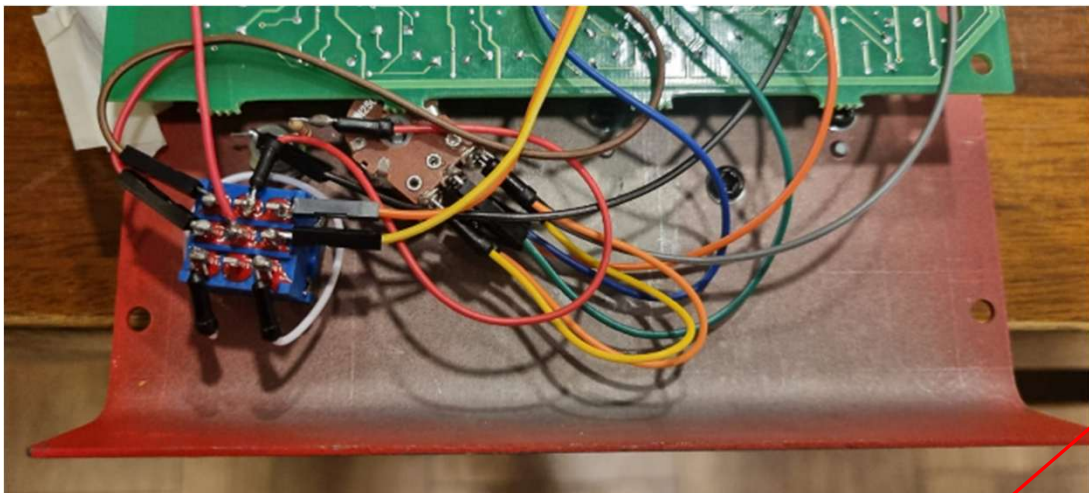
AC~

~9V

Power Supply

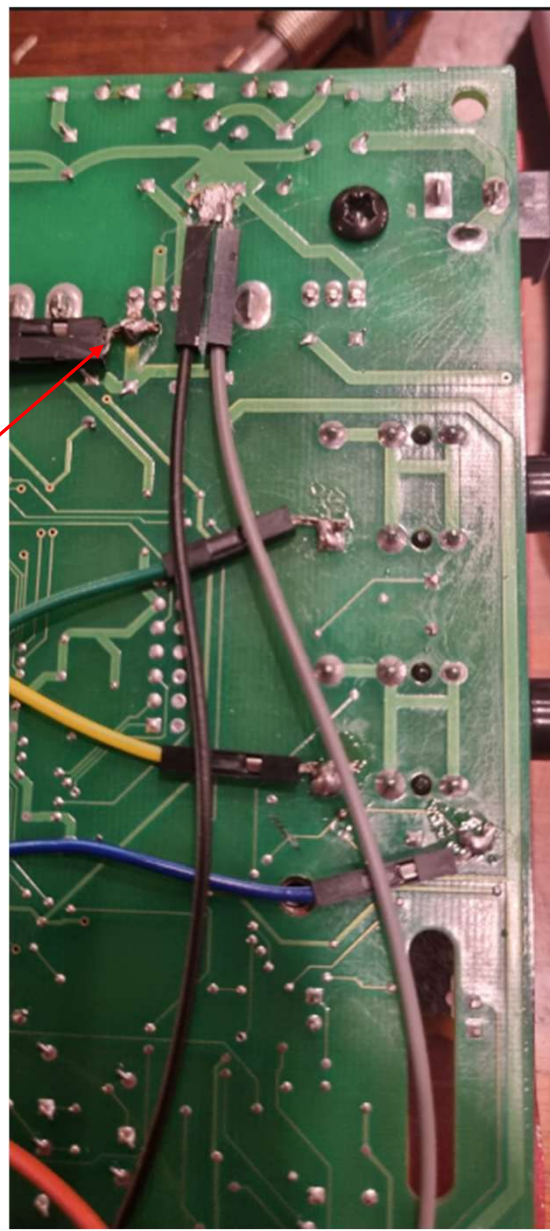


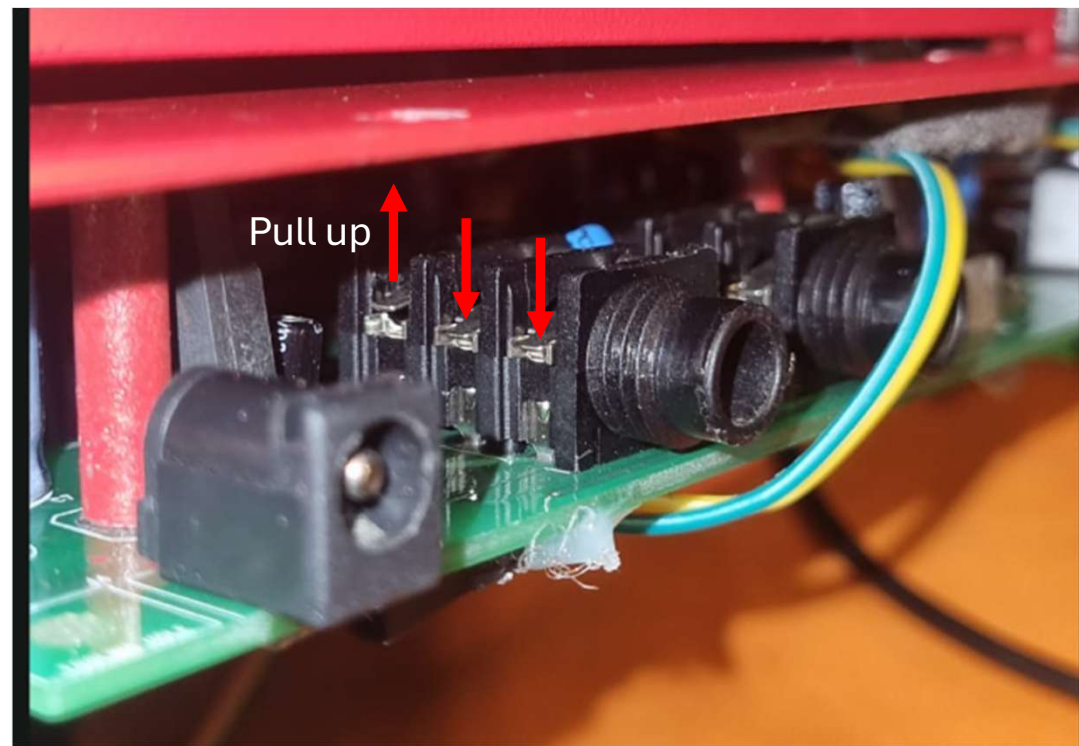
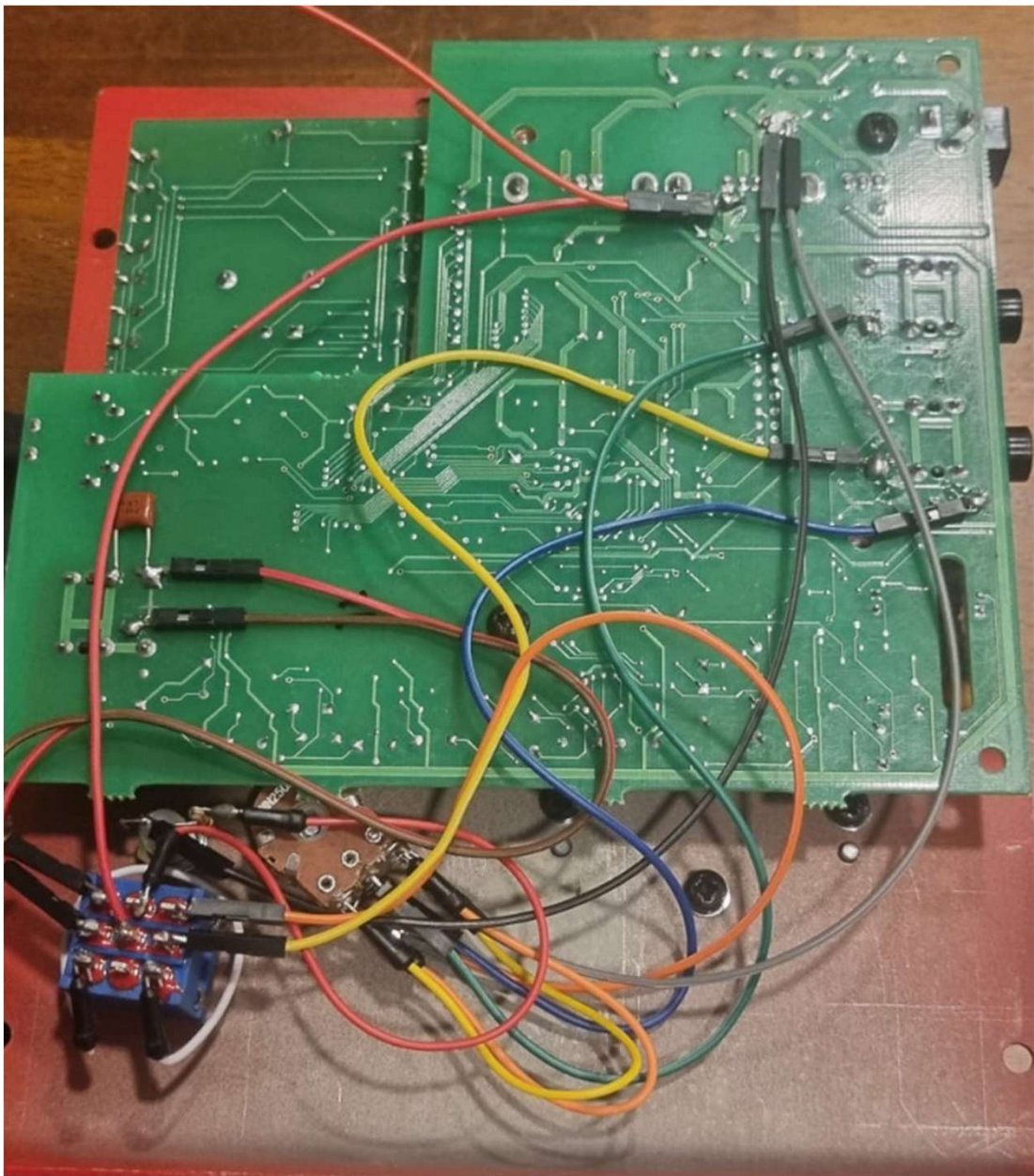




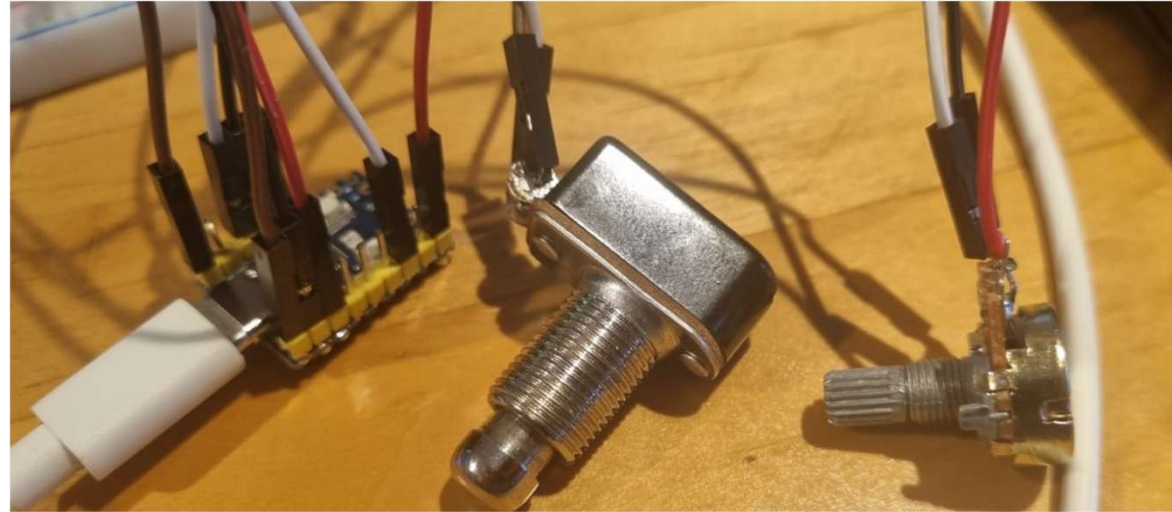
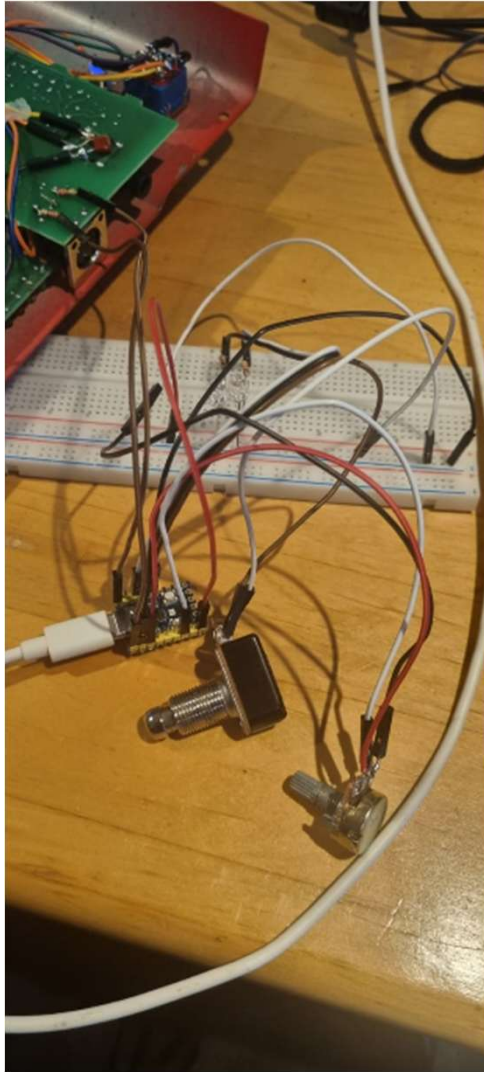
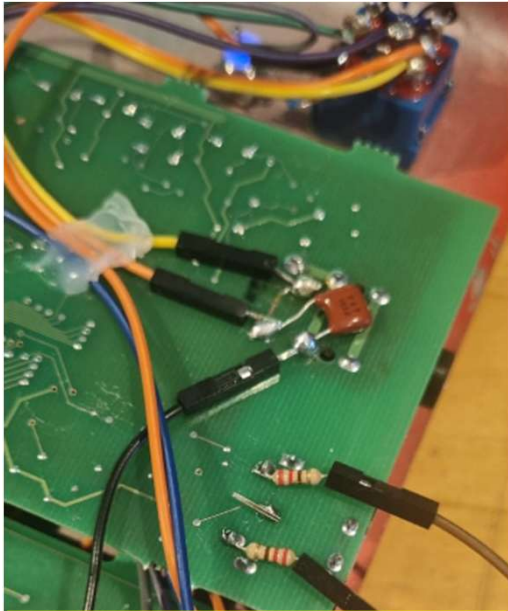
GND LED
HERE!!!

+5V LED
HERE!!!





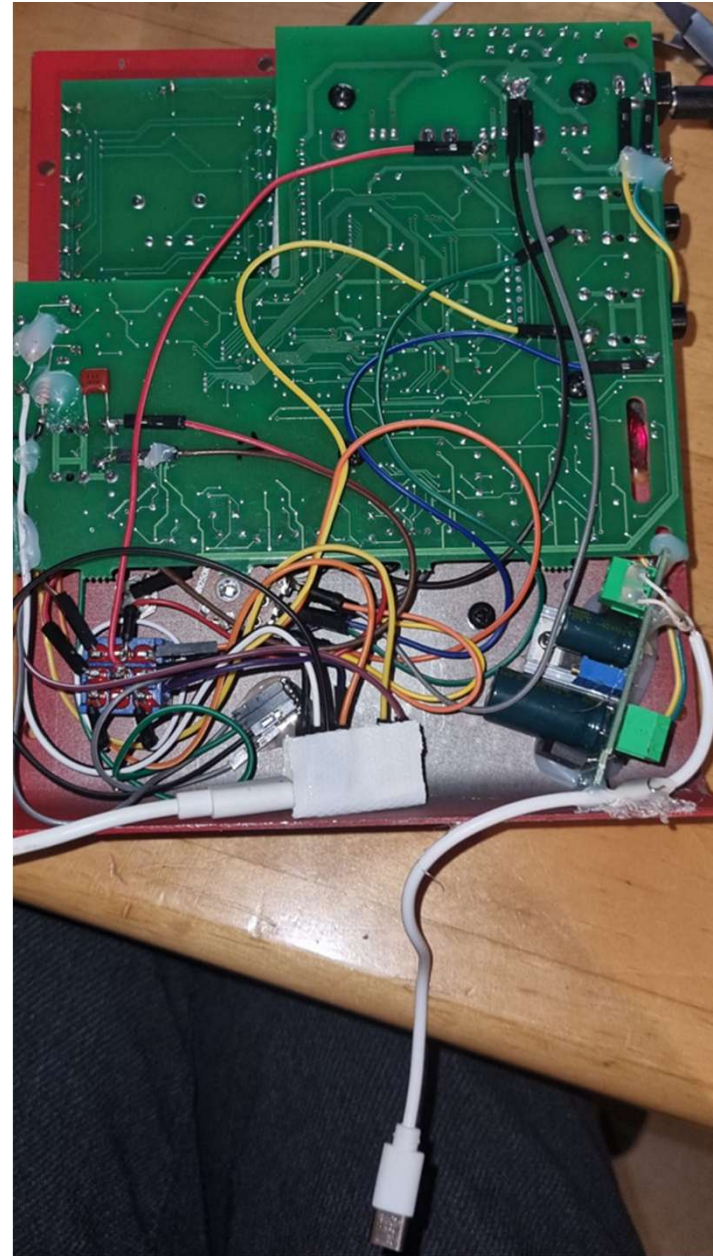
Midi Test



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

- 2 combinable effect presets

Final Front/Back



Flash NEO
Software

