

Whammy 4 – Version 1.09

By melatroid

melatroid@gmail.com

True Bypass, Blend Mix
Shutter Gate Effect
Change Effects
Momantary



Calibration

Midi Access

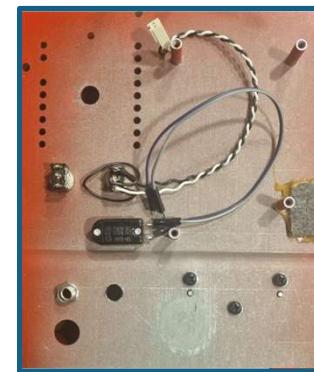
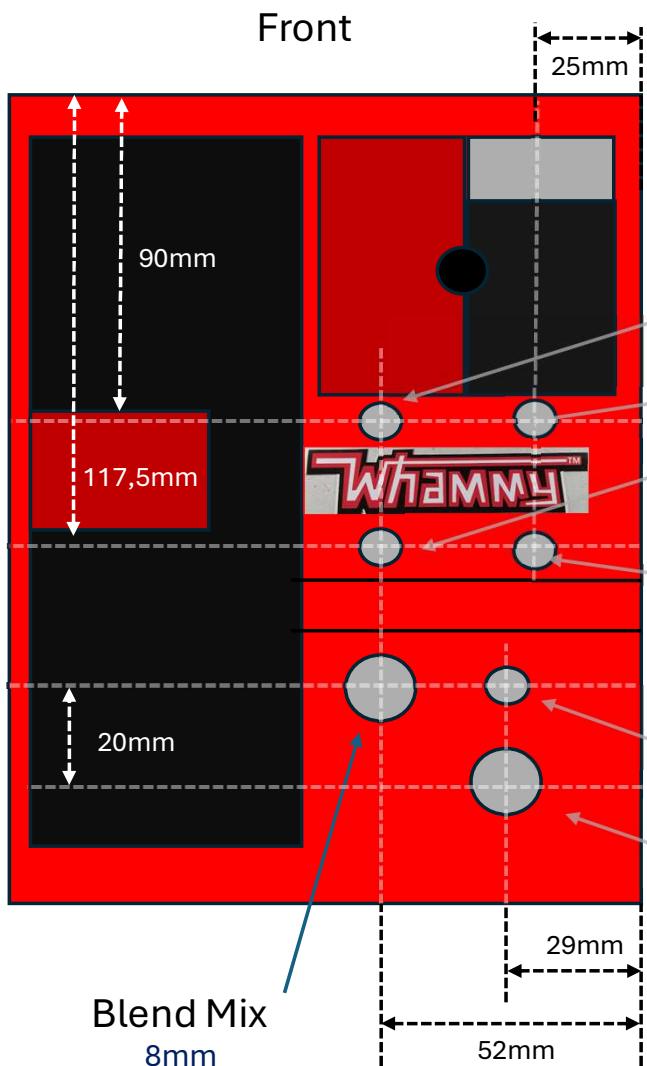
Time

Momantary
/ Change Effects

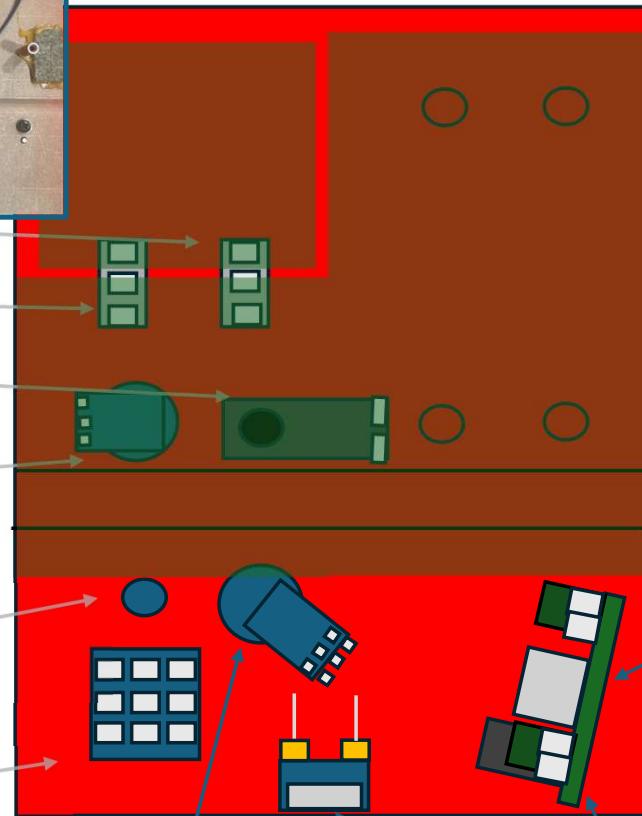
Blend Mix

LED On/OFF

Effect On/OFF



Back

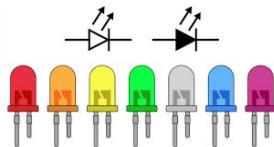


Glue it!

Glue it!

USB TO THE TOP
FOR UPDATES

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



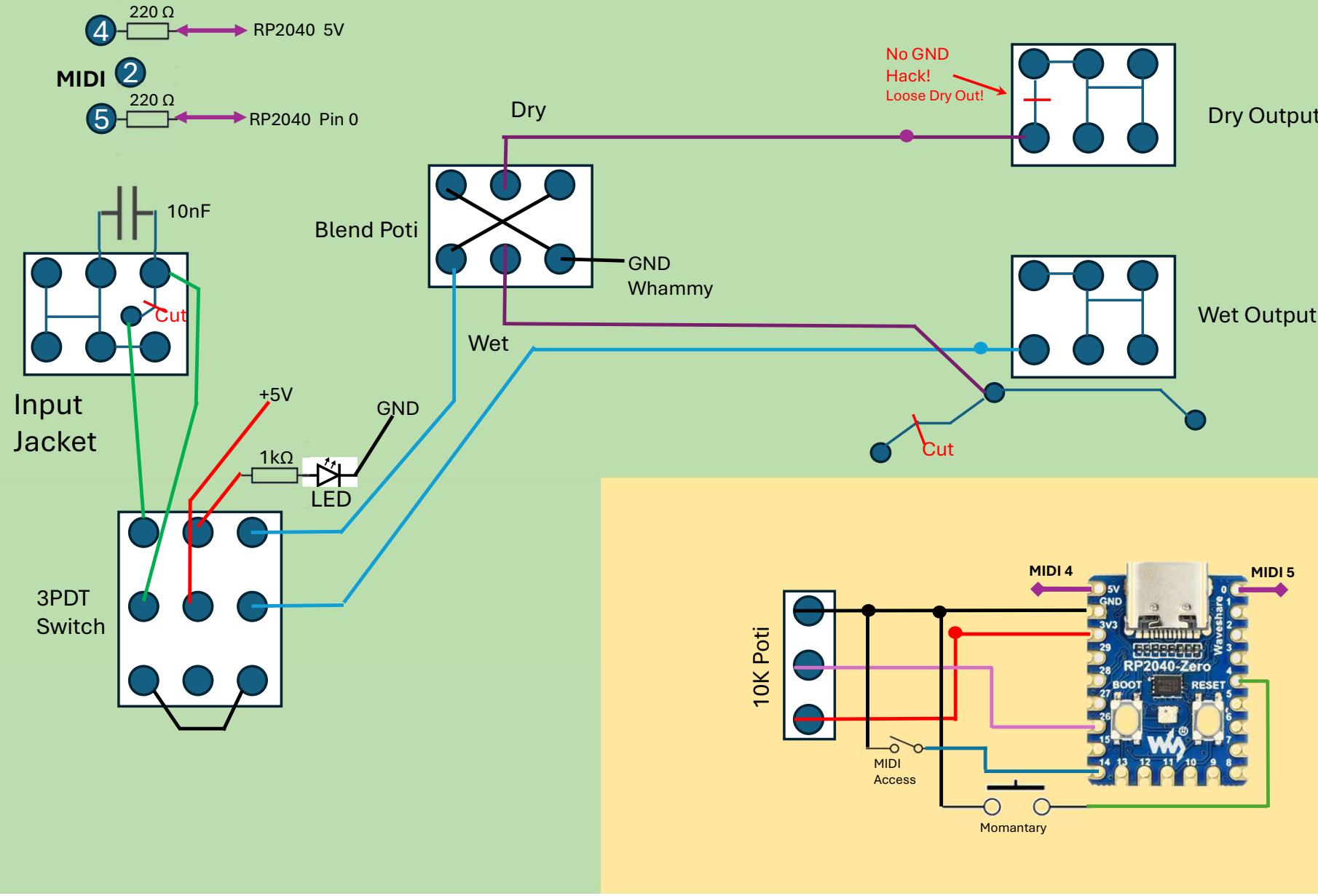
Raspberry Pi
2040 Zero

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...

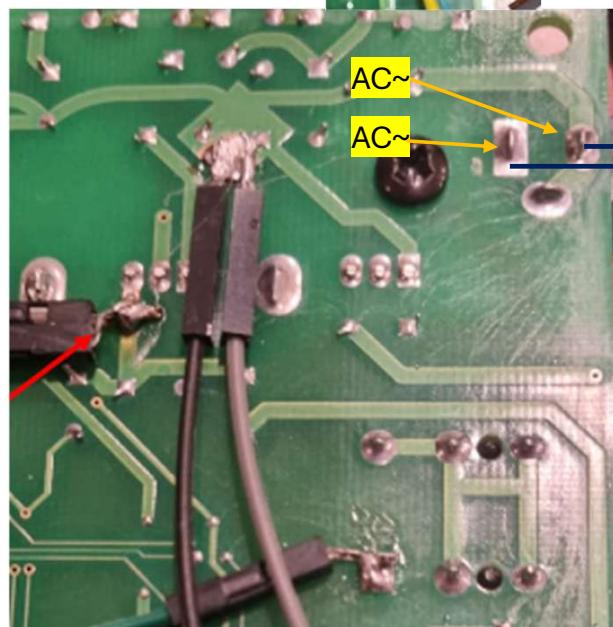
Try to fix this





Power Supply

Power Supply PLAN A



AC/DC Converter
LM2596HV



~9V

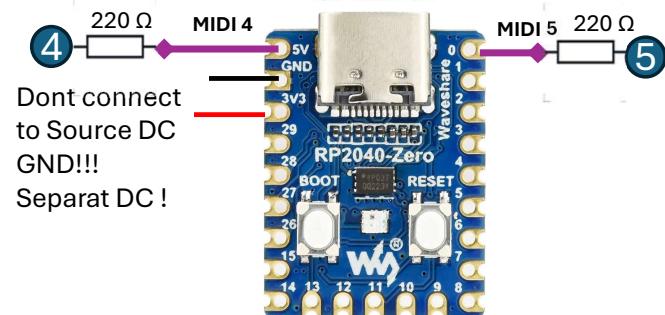
Get a new fix!!!
Look Plan B

5V +/- !!!

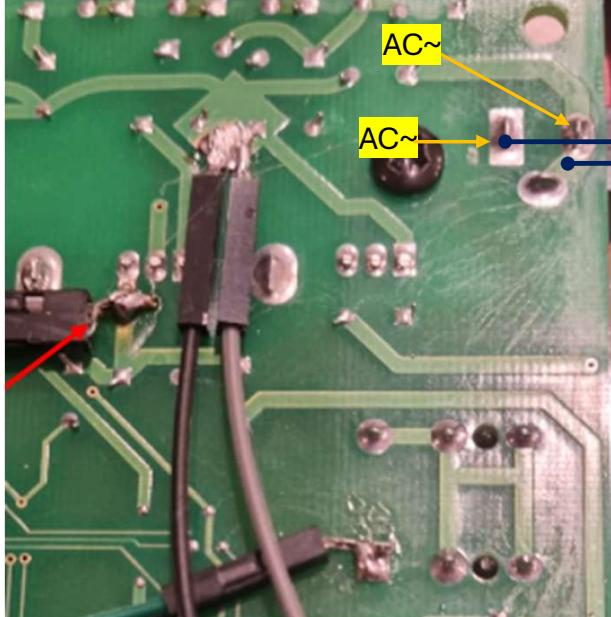
USB Type-C

4 220 Ω MIDI 4

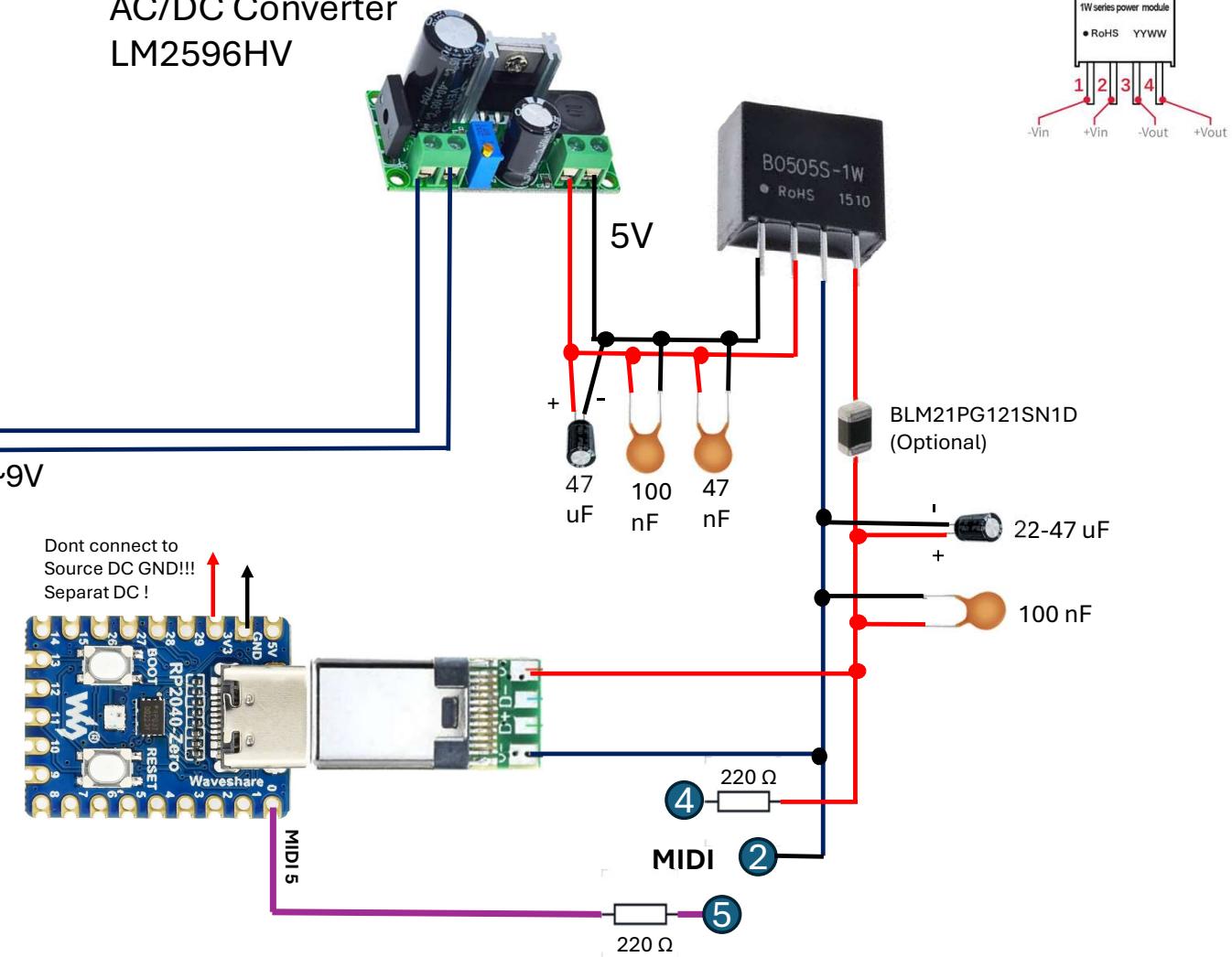
Dont connect
to Source DC
GND!!!
Separat DC !



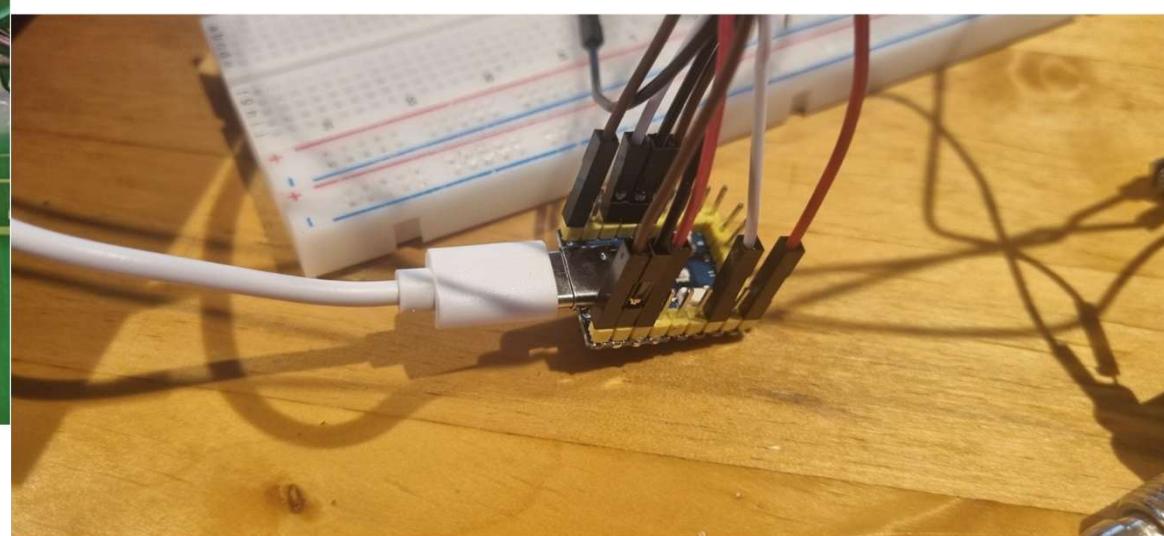
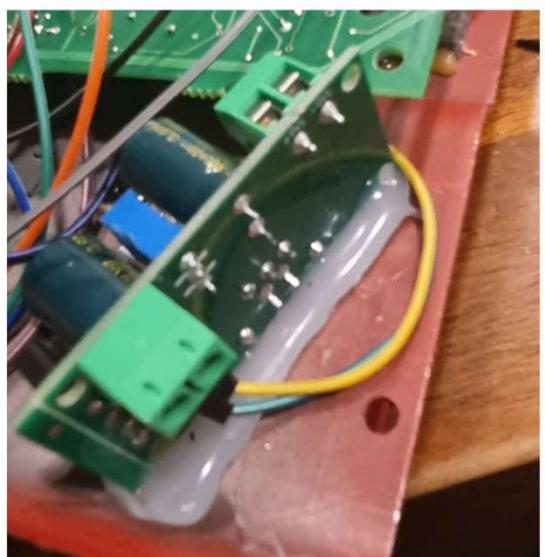
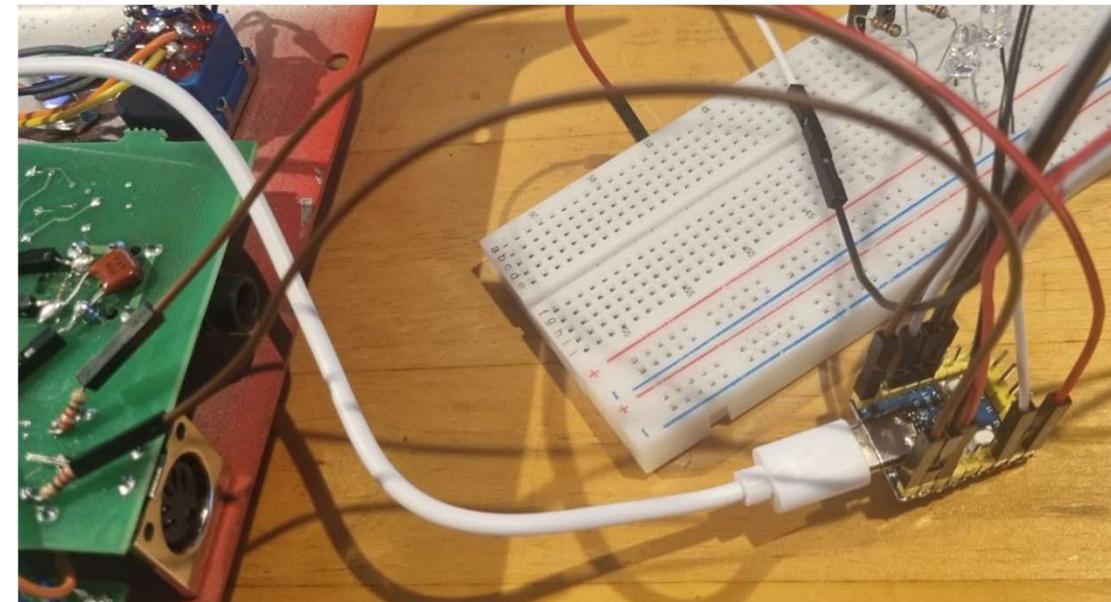
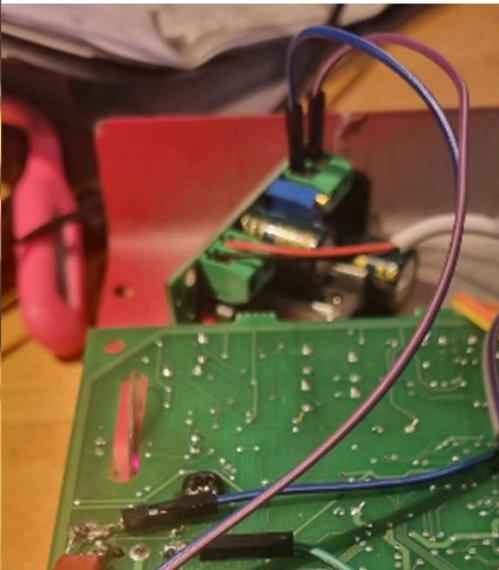
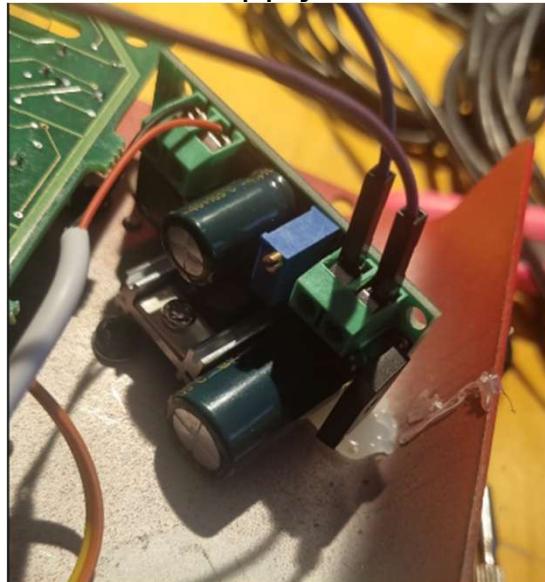
Power Supply **PLAN B**

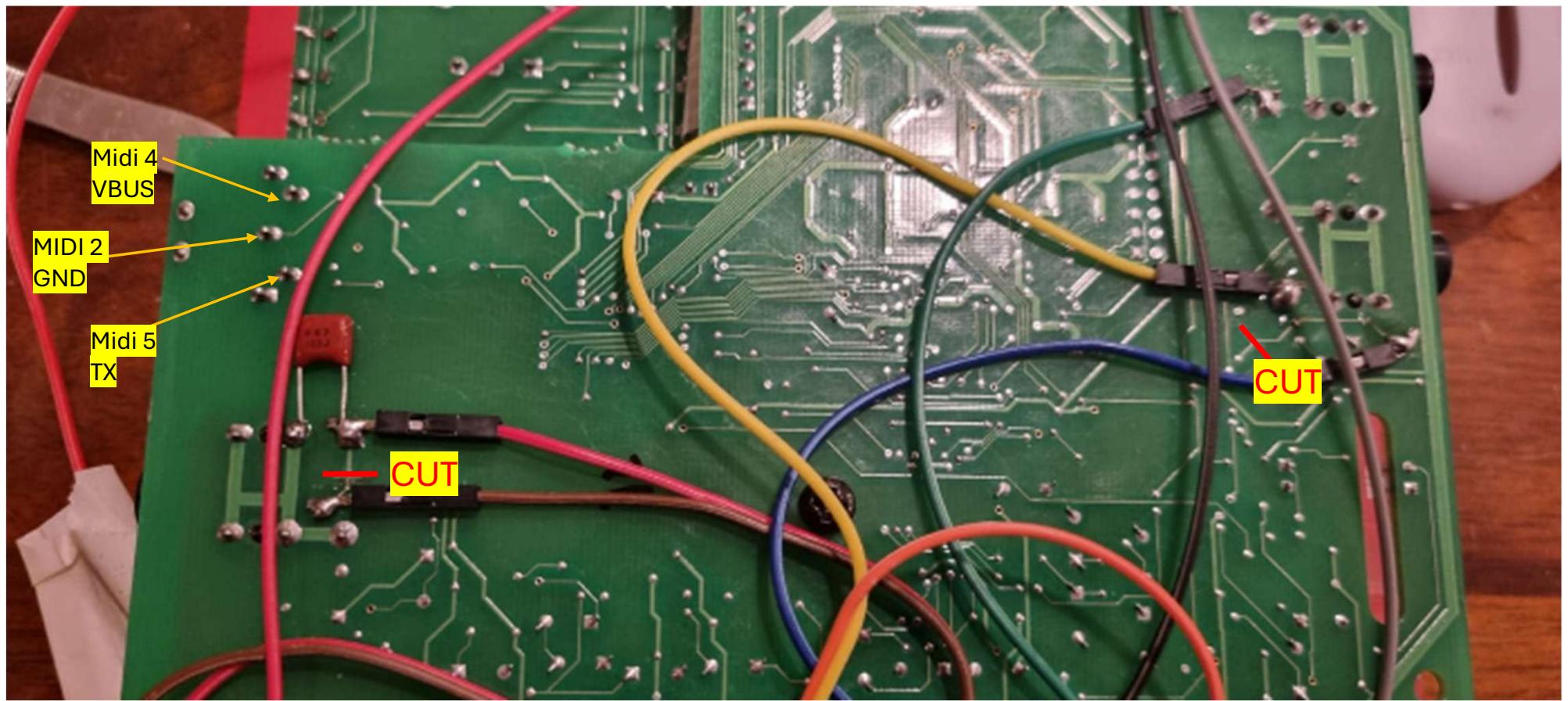


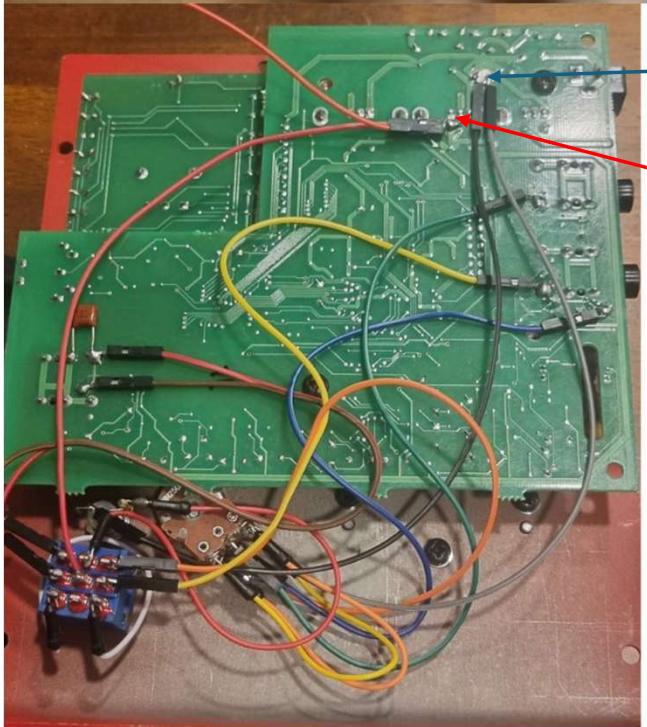
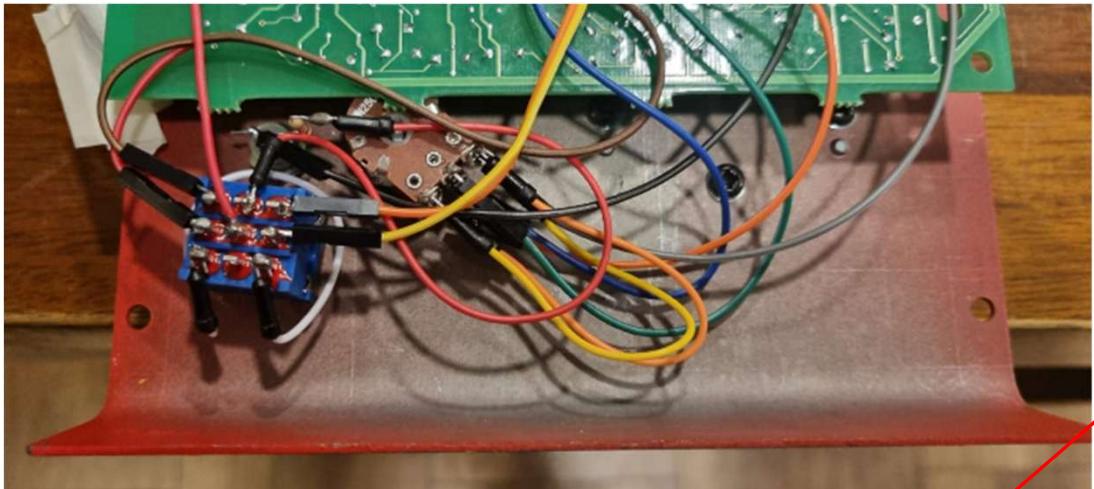
AC/DC Converter LM2596HV



Power Supply

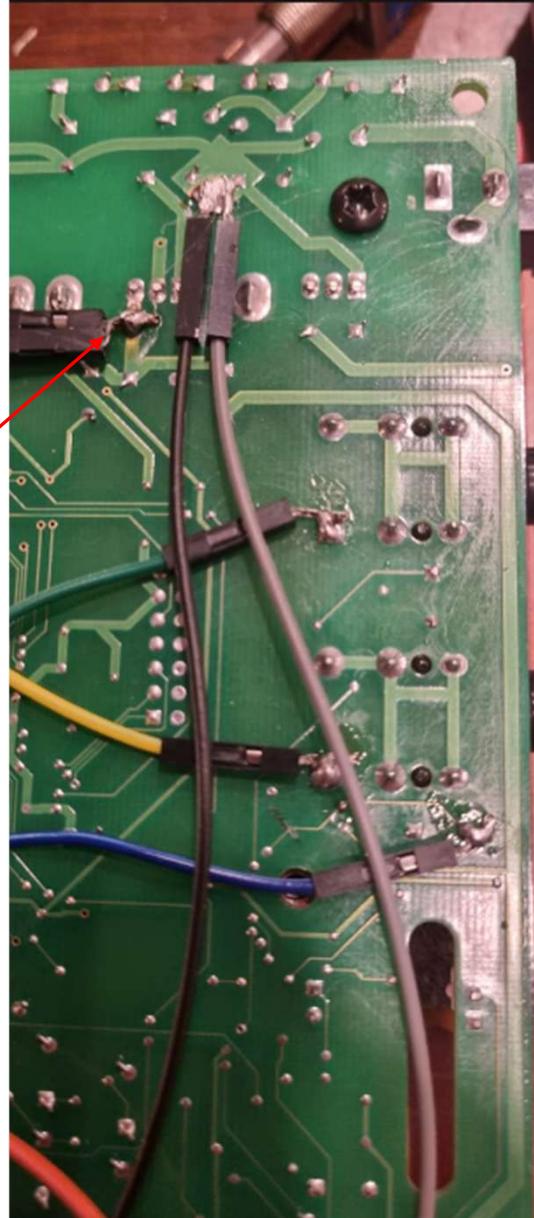


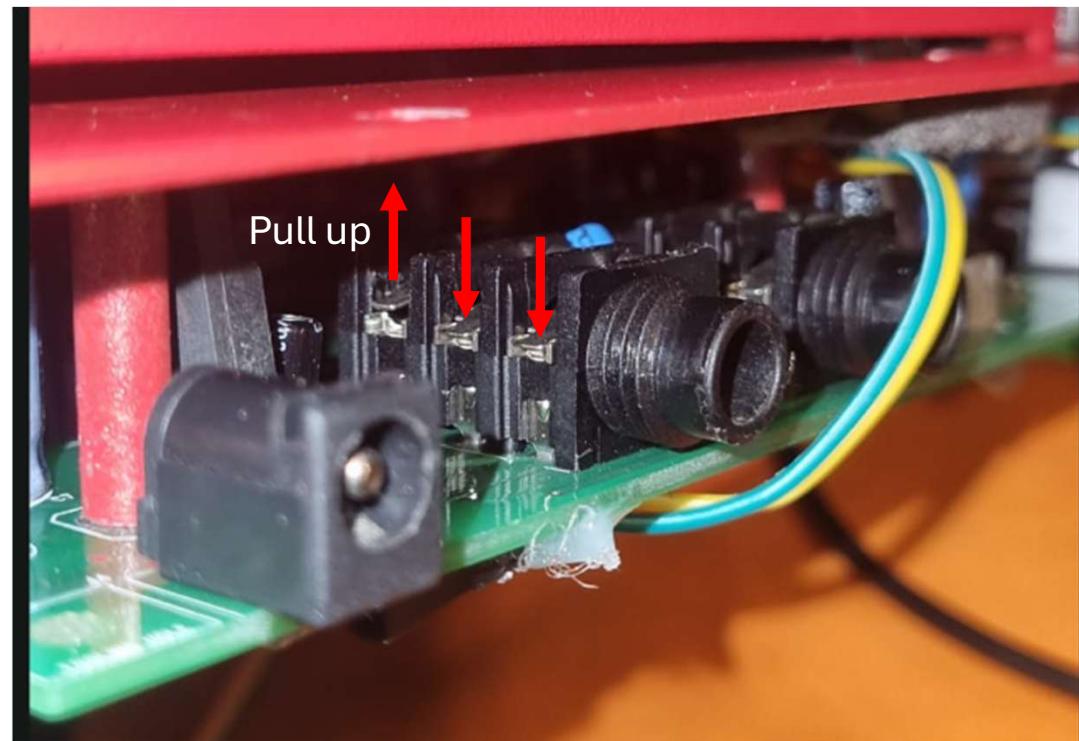
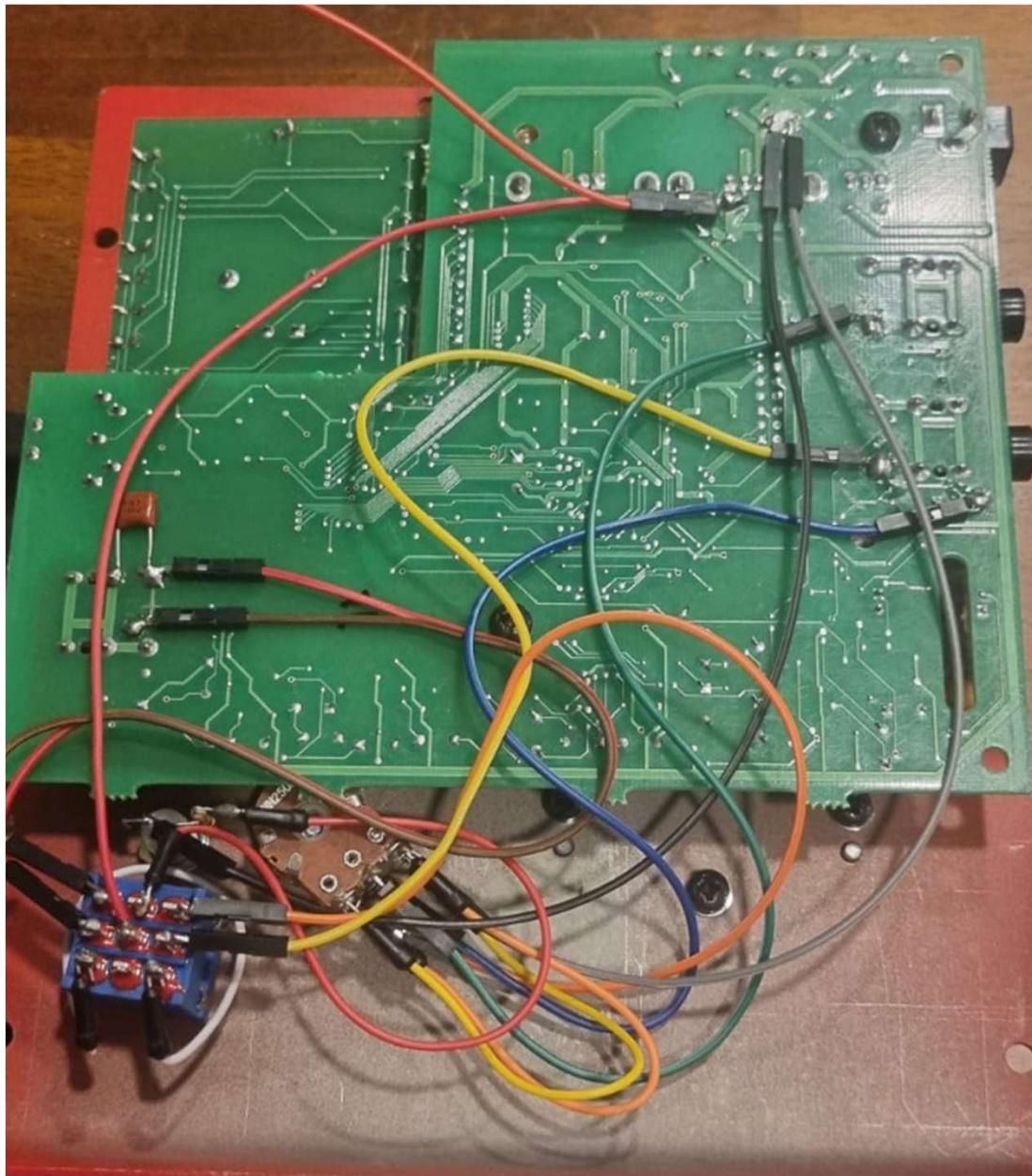




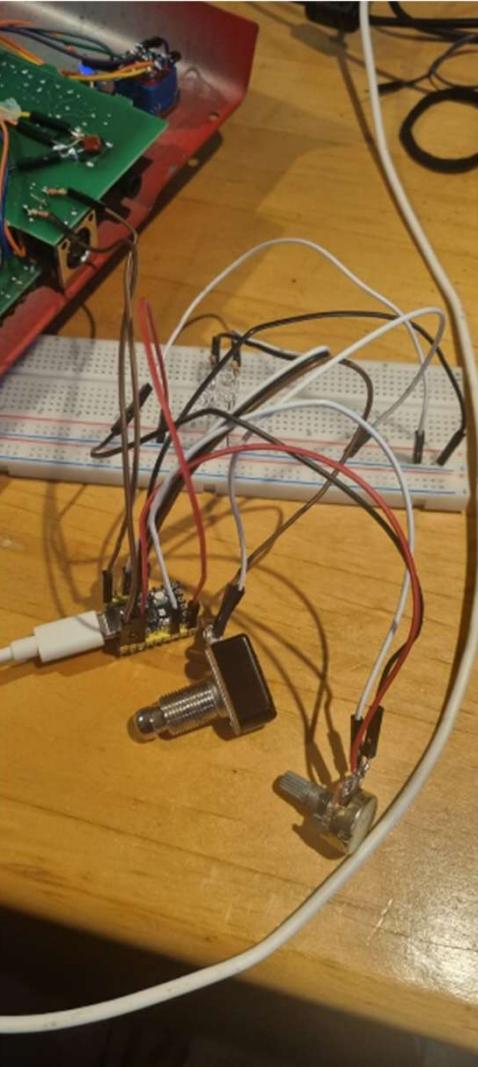
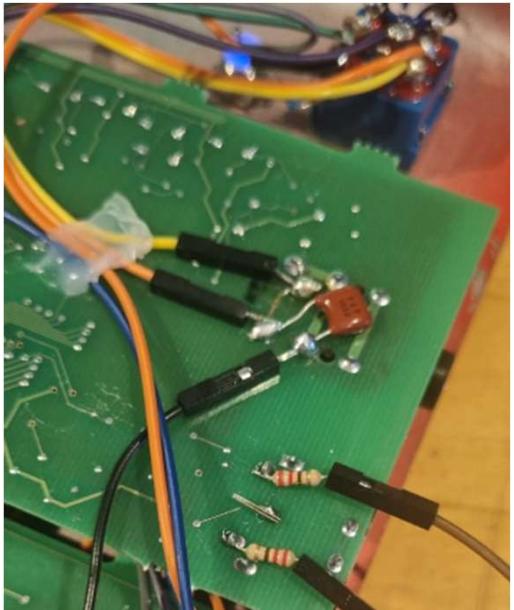
GND LED
HERE!!!

+5V LED
HERE!!!





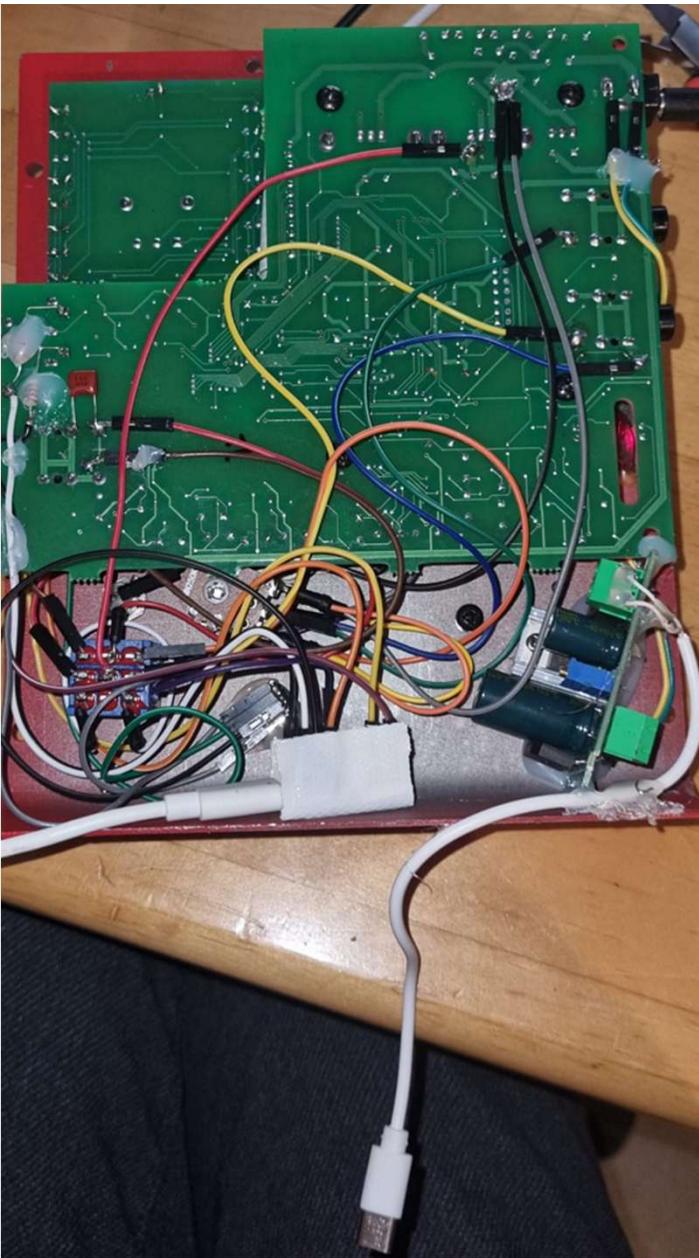
Midi Test



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

- 2 combinable effect presets

Final Front/Back



Flash NEO Software

