

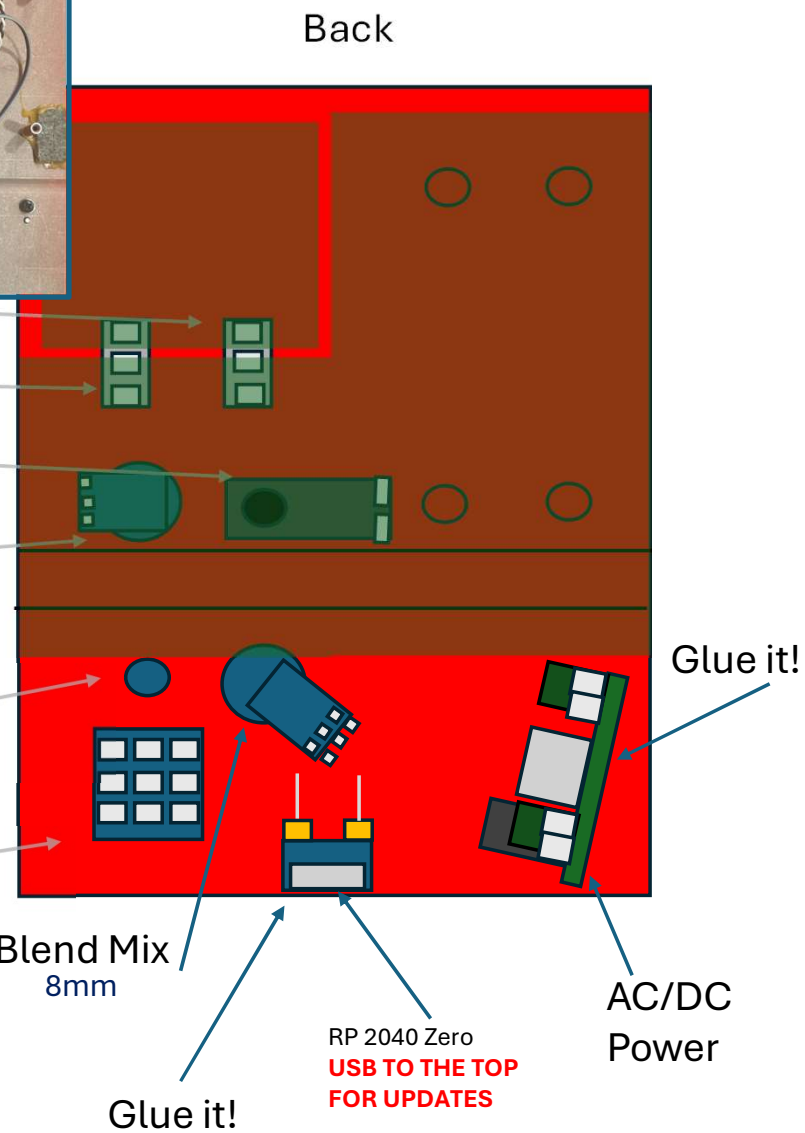
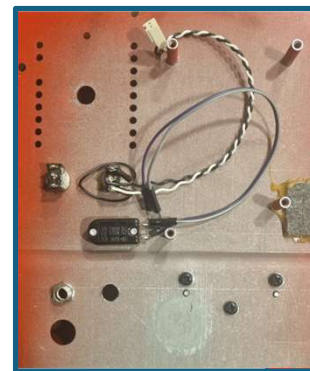
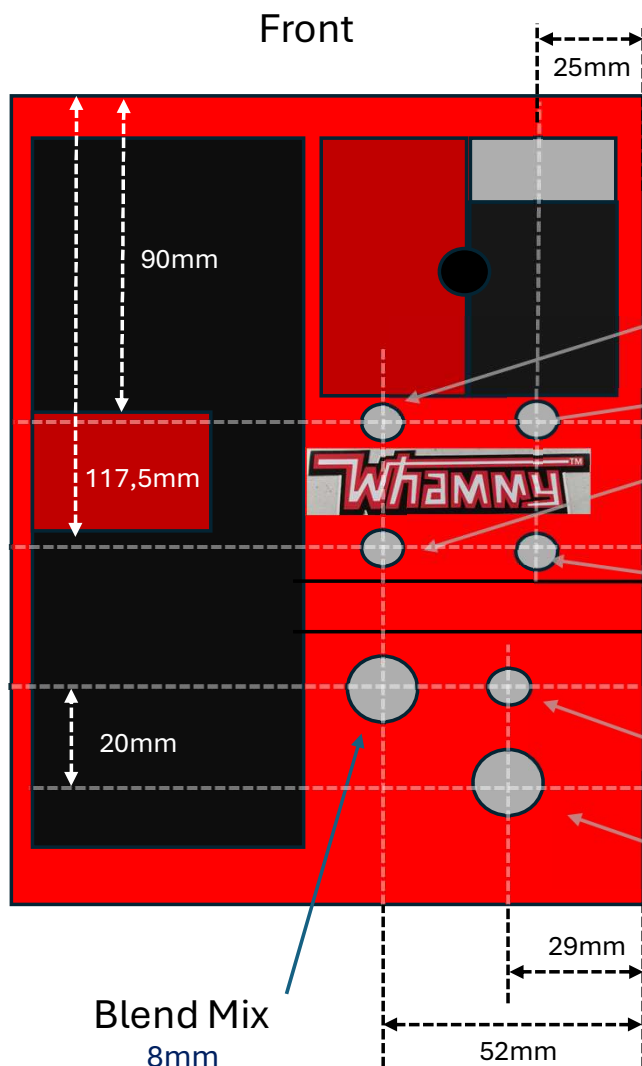
Whammy 4 – Version 1.07
By melatroid

melatroid@gmail.com

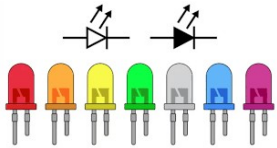
True Bypass, Blend Mix
Shutter Gate Effect
Change Effects
Momantary



- Calibration
- Midi Access
- Time
- Momantary / Change Effects
- Blend Mix
- LED On/OFF
- Effect On/OFF



Parts



1k Ω 3x

1M Ω

220 Ω 2x



10nF
(optional)



Toggle Switch 2x
Midi Access /
Calibration



Momantary
(Original Part)



250k Ω
Blend



3PDT



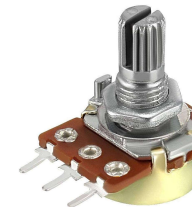
The Whammy is very Noisy but i use a simple
Noise Gate directly after the Whammy.
That brings the Action.

Problem is the AC/DC Converter...

AC/DC
LM2596HV

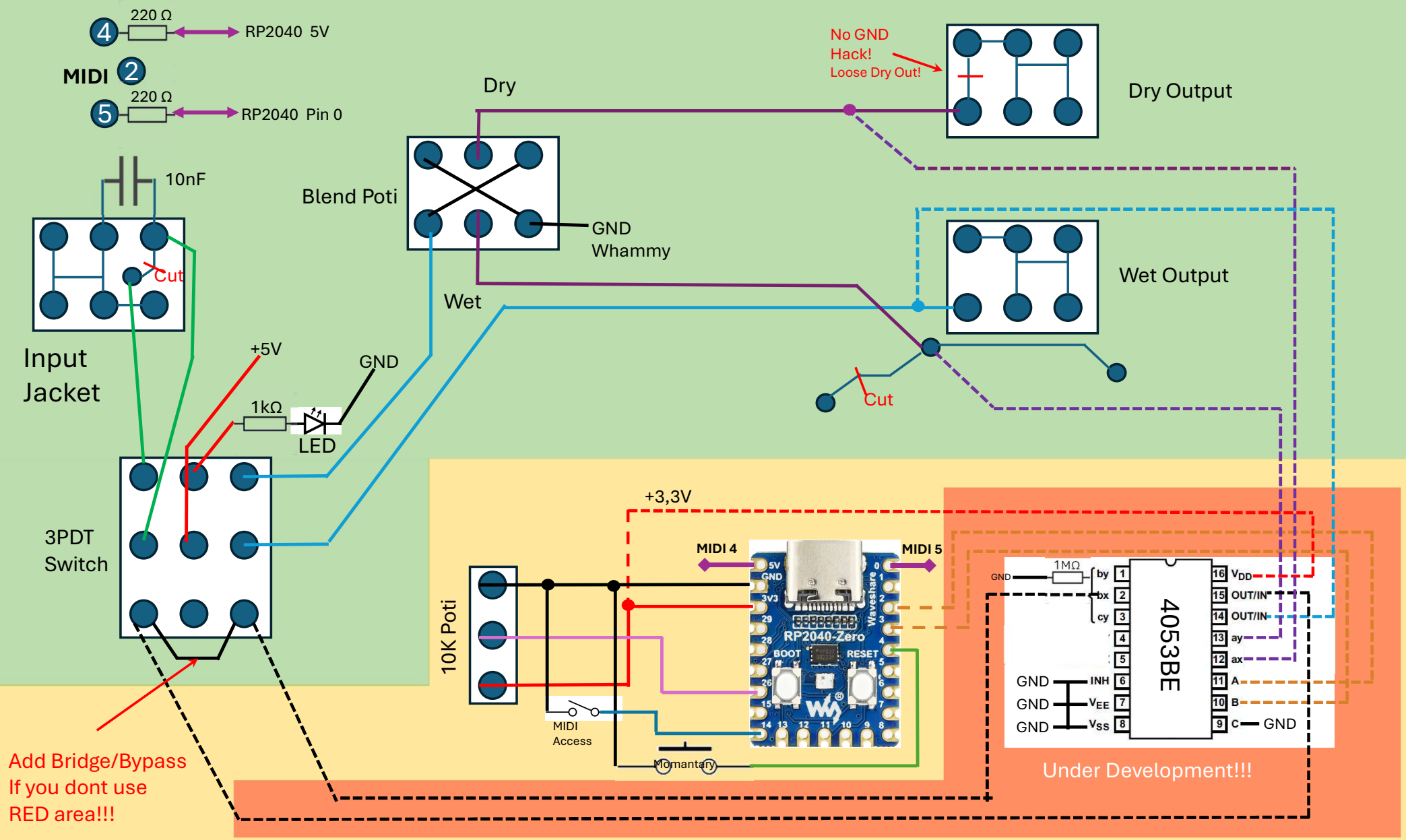


10K Ω



Raspberry Pi
2040 Zero





Power Supply



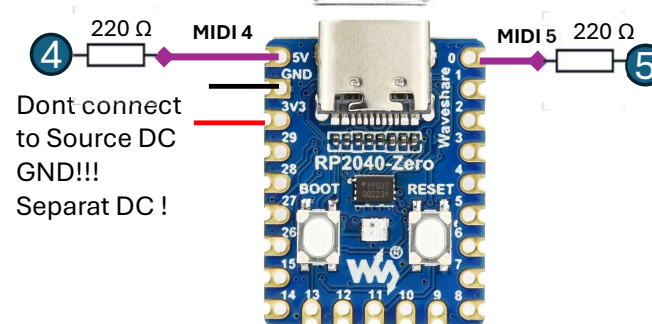
AC/DC Converter
LM2596HV



~9V

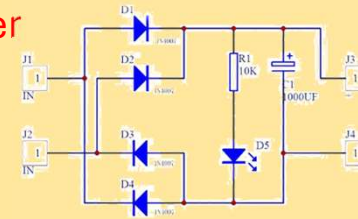
5V +/- !!!

USB Type-C



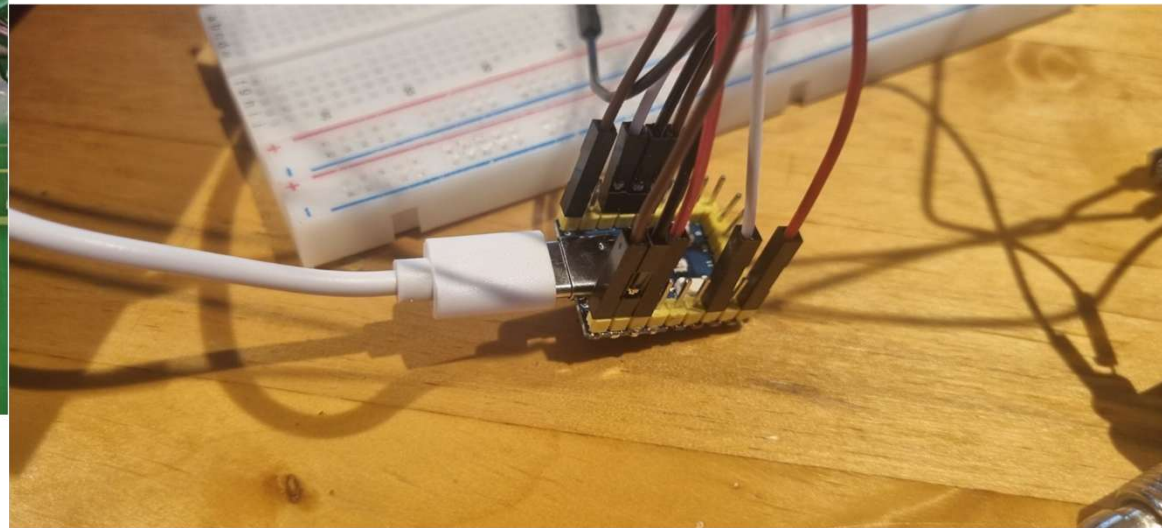
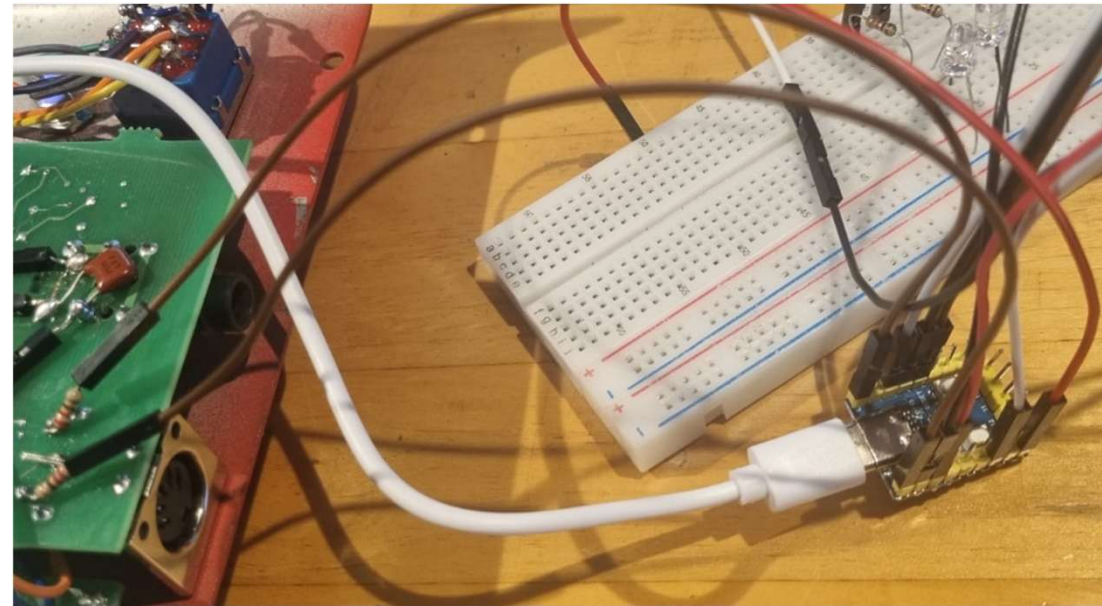
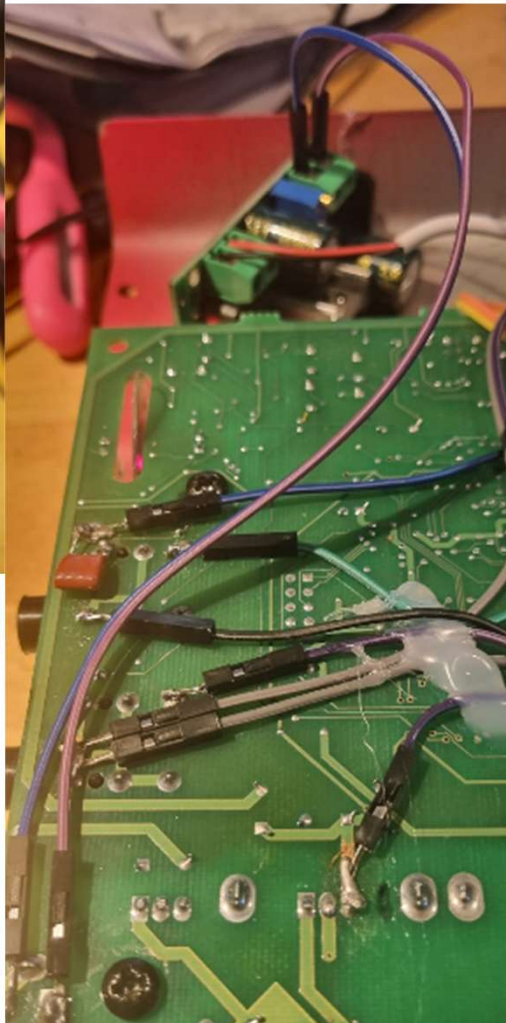
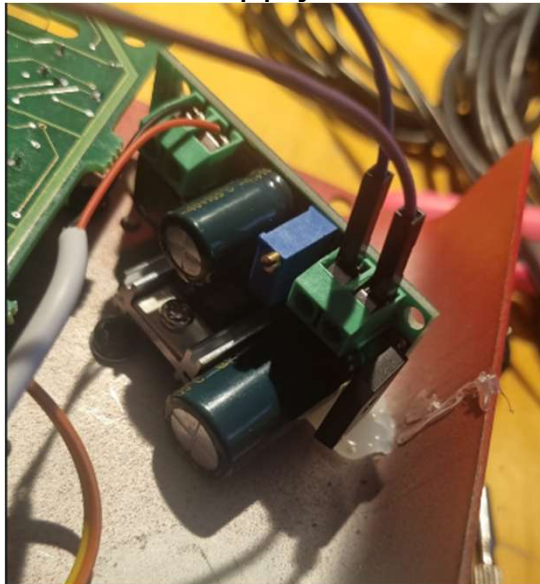
AC/DC Fullbridge

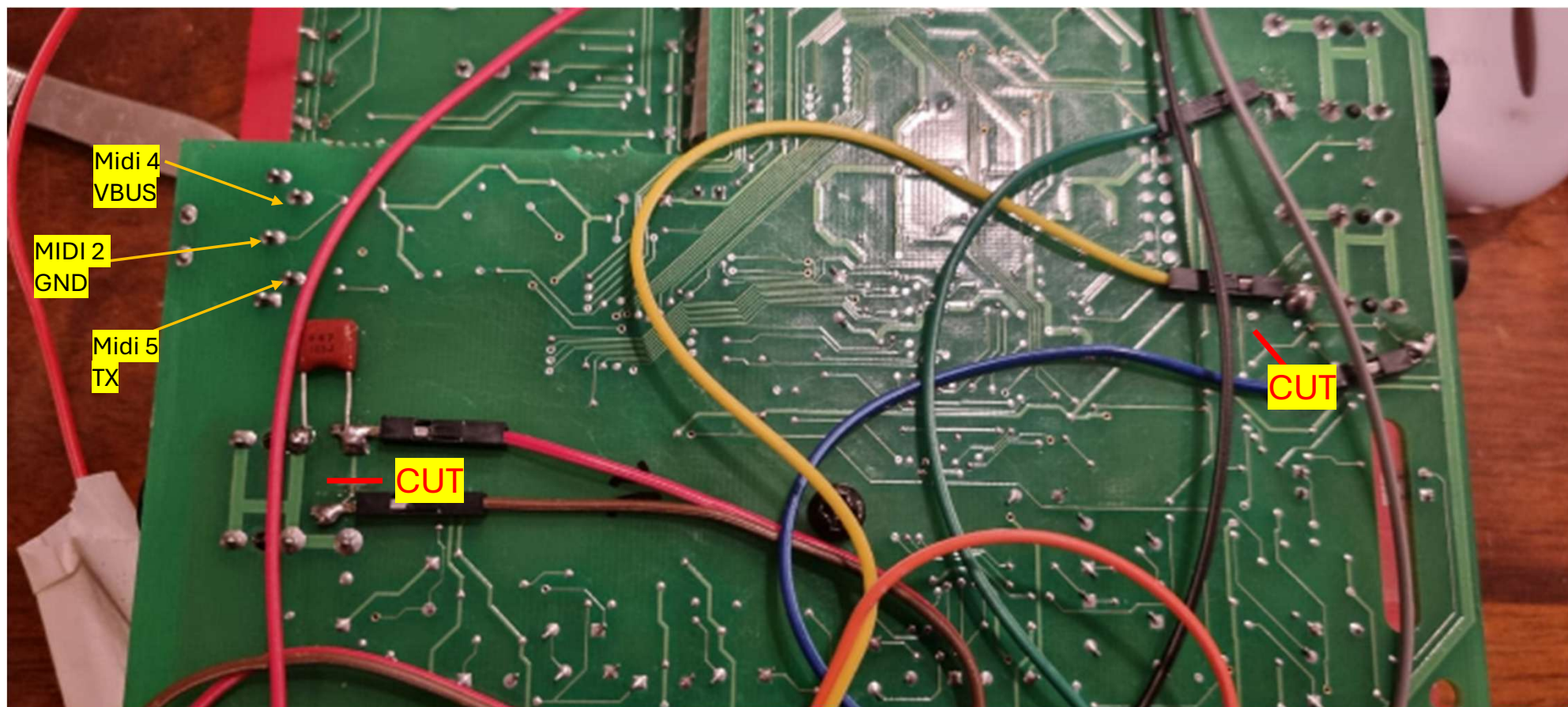
AC/DC Converter
ALTERNATIVE!!!

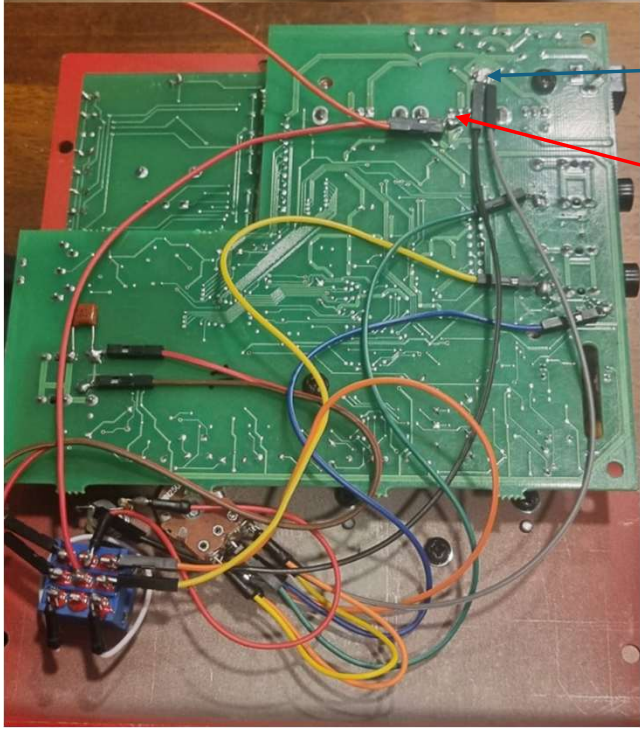
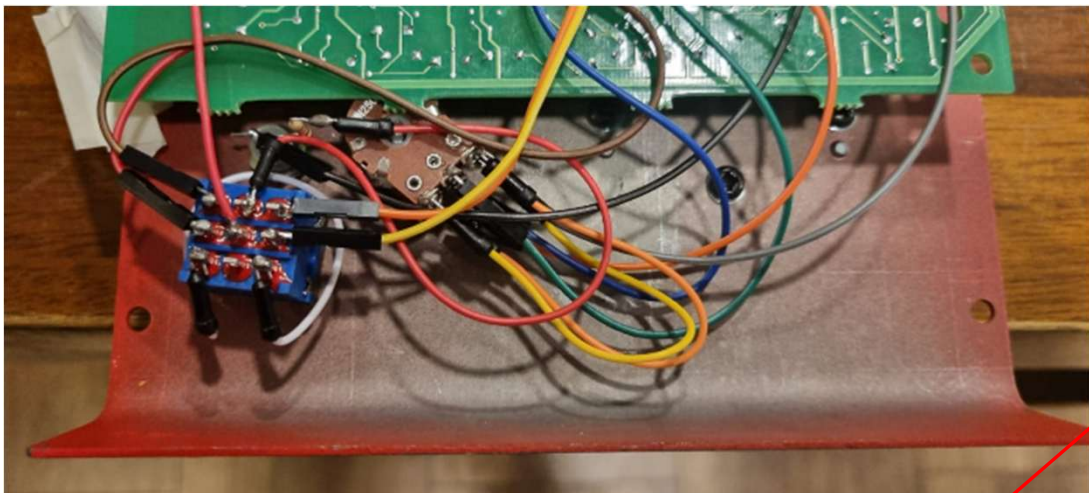


MP1584EN

Power Supply

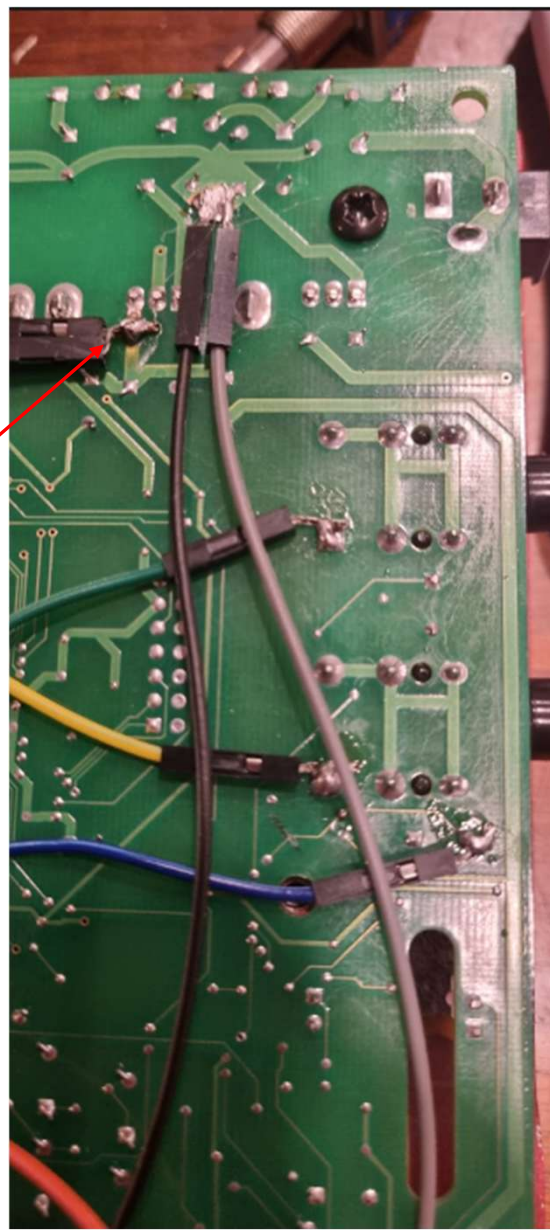


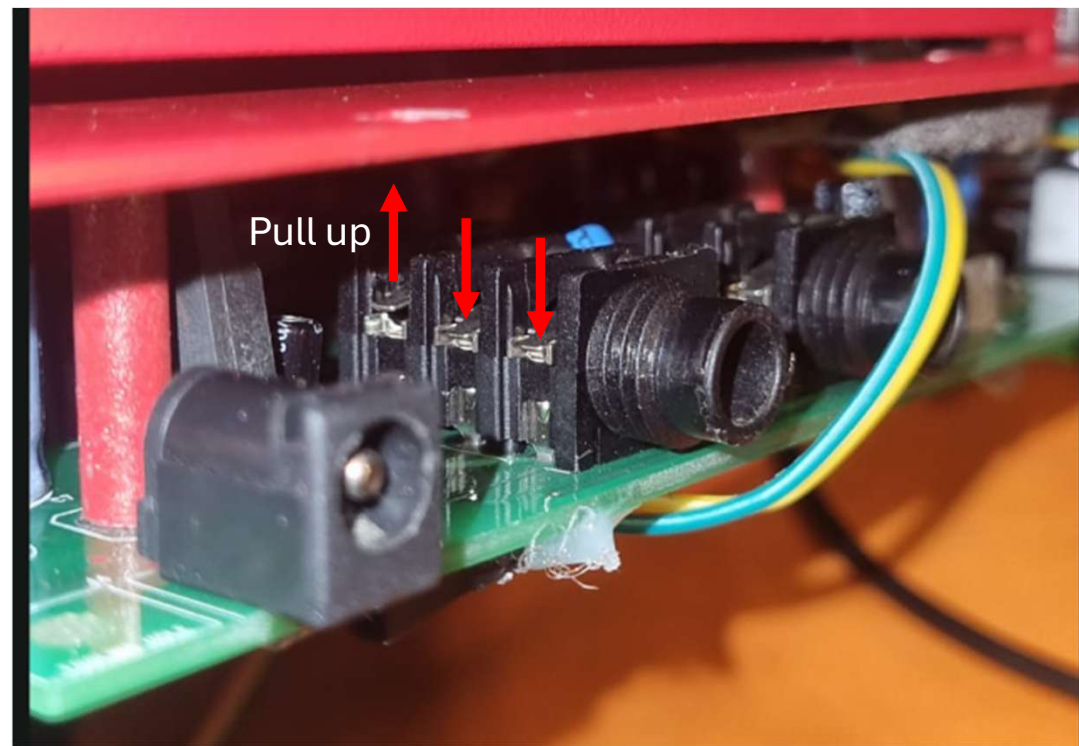
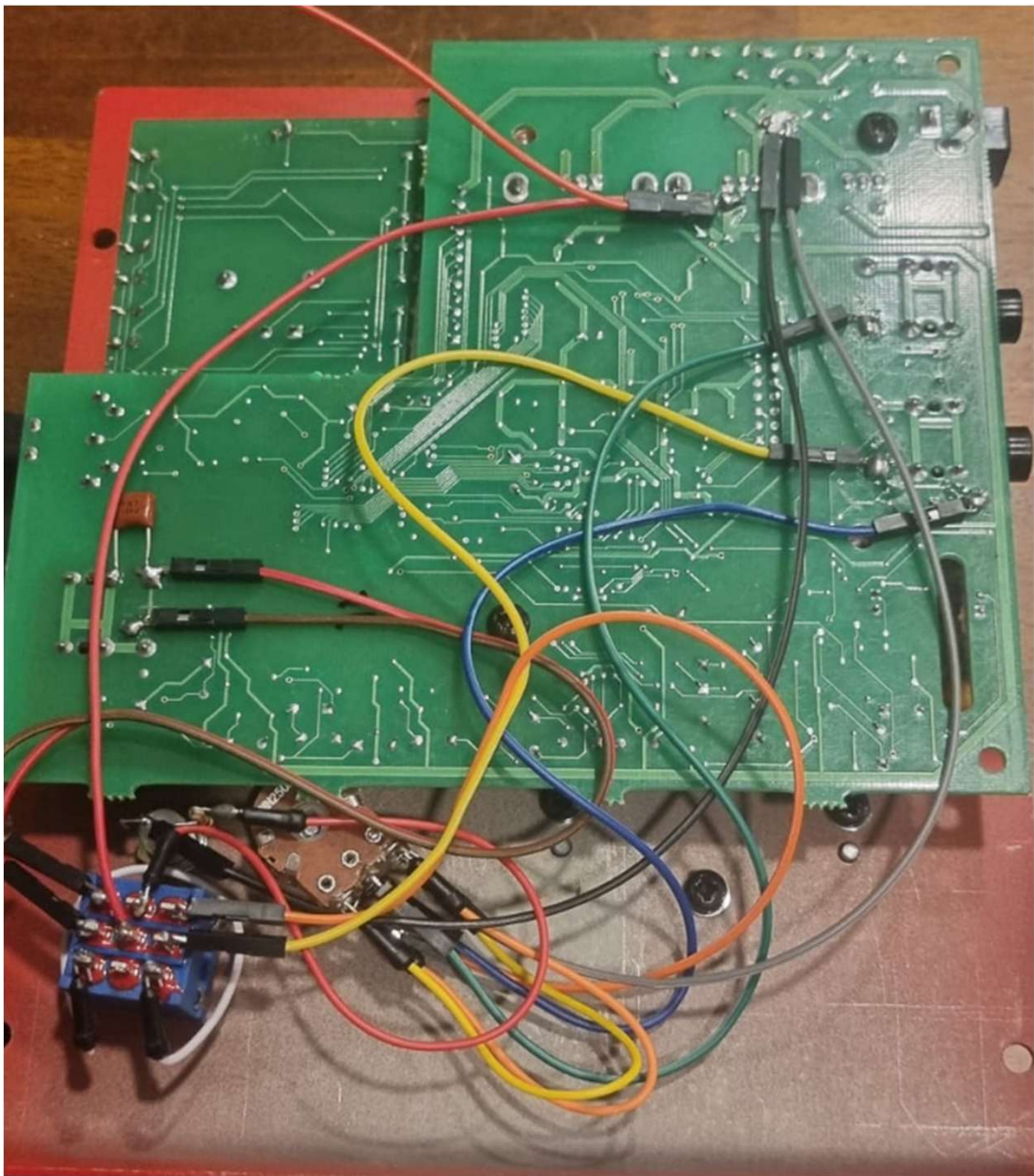




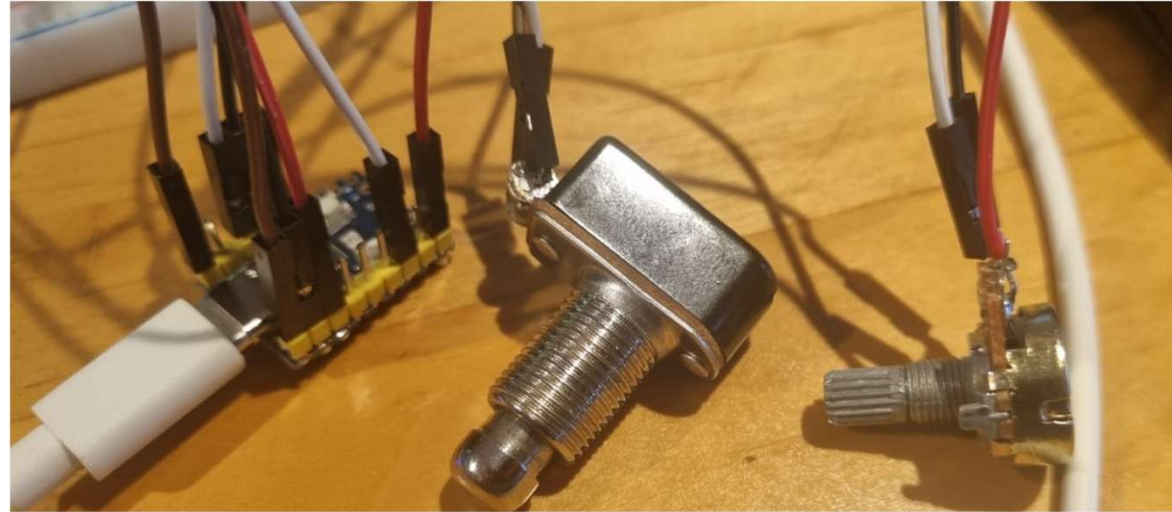
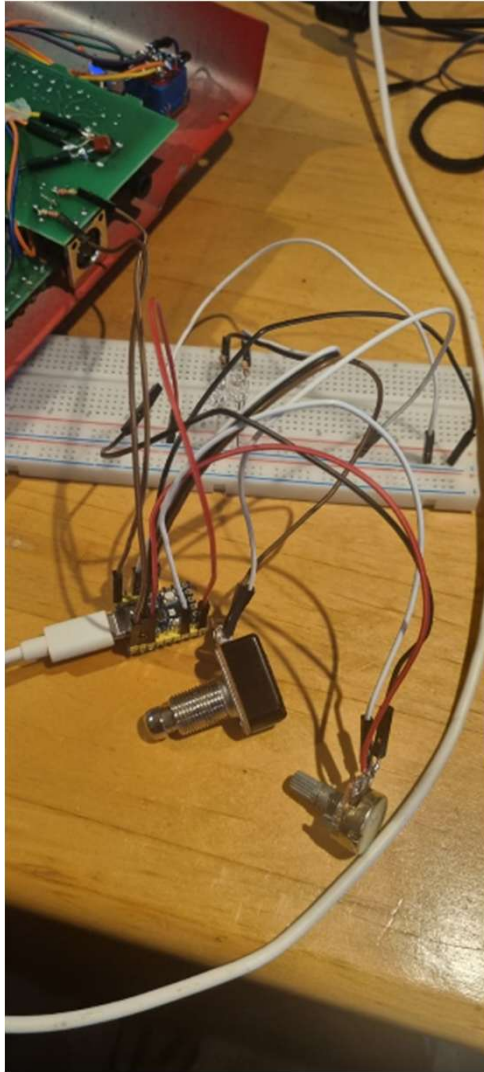
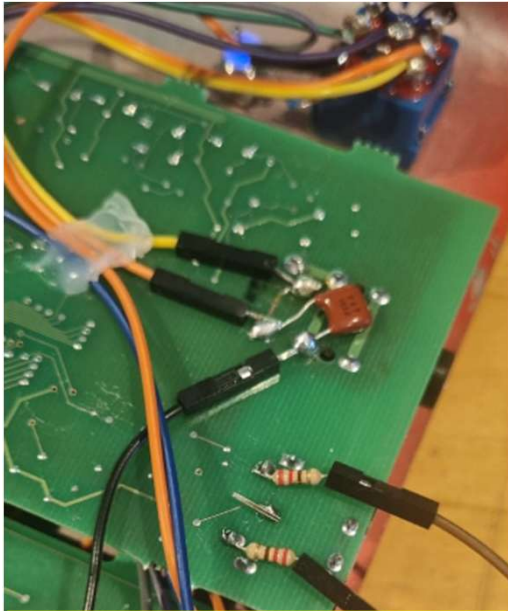
GND LED
HERE!!!

+5V LED
HERE!!!





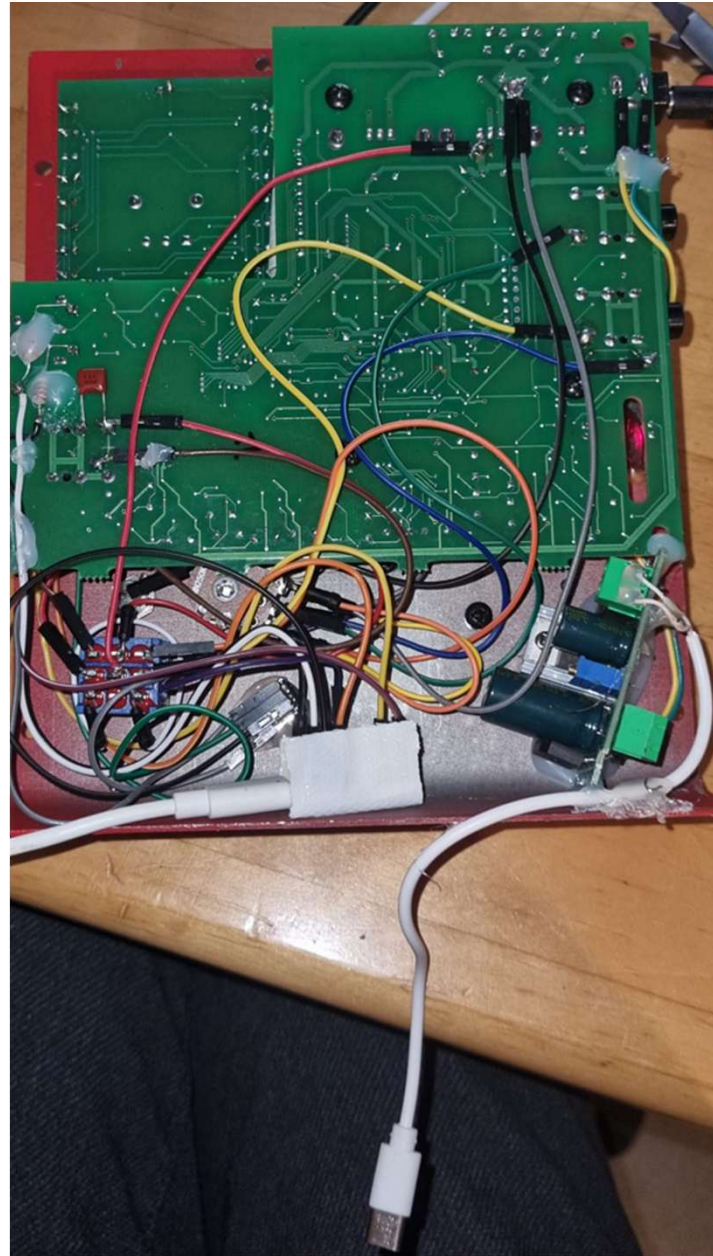
Midi Test



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

- 2 combinable effect presets

Final Front/Back



Flash NEO
Software

