

Whammy 4 – NEO – Version 1.10
By melatroid

Working Pre-Final Version

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Calibration

Midi Access

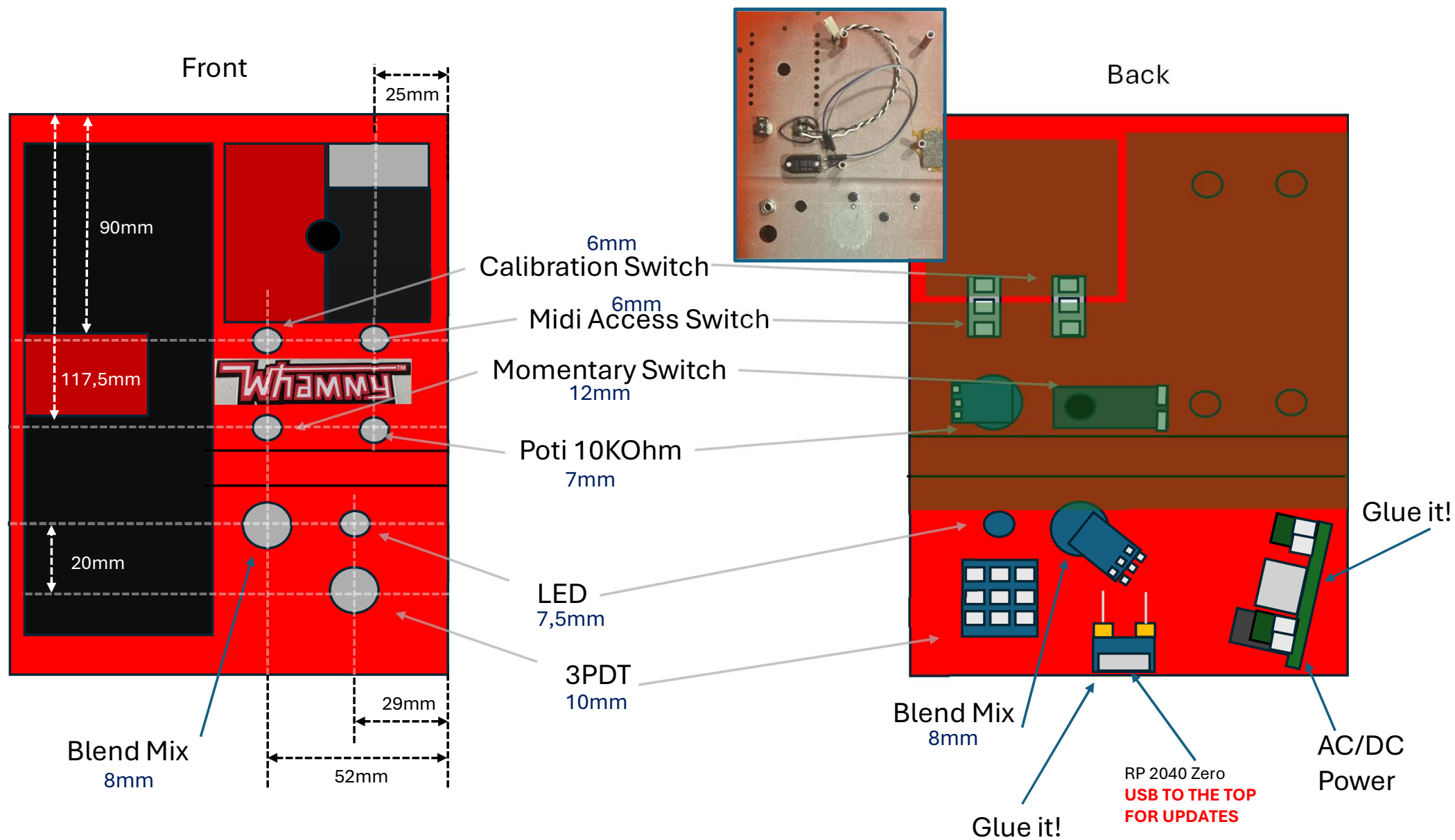
Time

Momantary / Change Effects

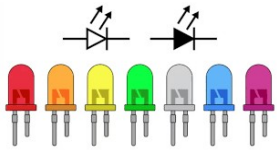
Blend Mix

LED On/OFF

Effect On/OFF



Parts



1k Ω 3x

1M Ω

220 Ω 2x



22-47
uF



100 nF
47 nF

ELKO/Ceramic
Condenser



Toogle Switch 2x
Midi Access /
Calibration



Momantary
(Original Part)



250k Ω
Blend



3PDT

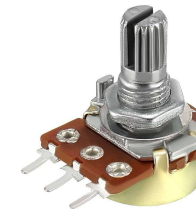
B0505S-1W



AC/DC
LM2596HV

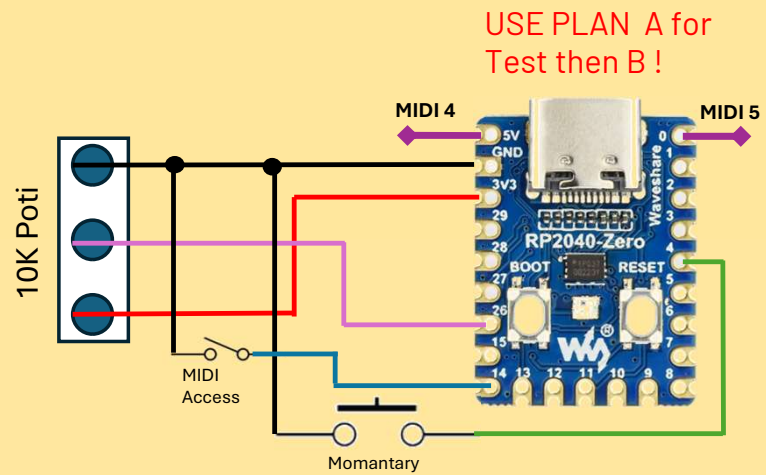
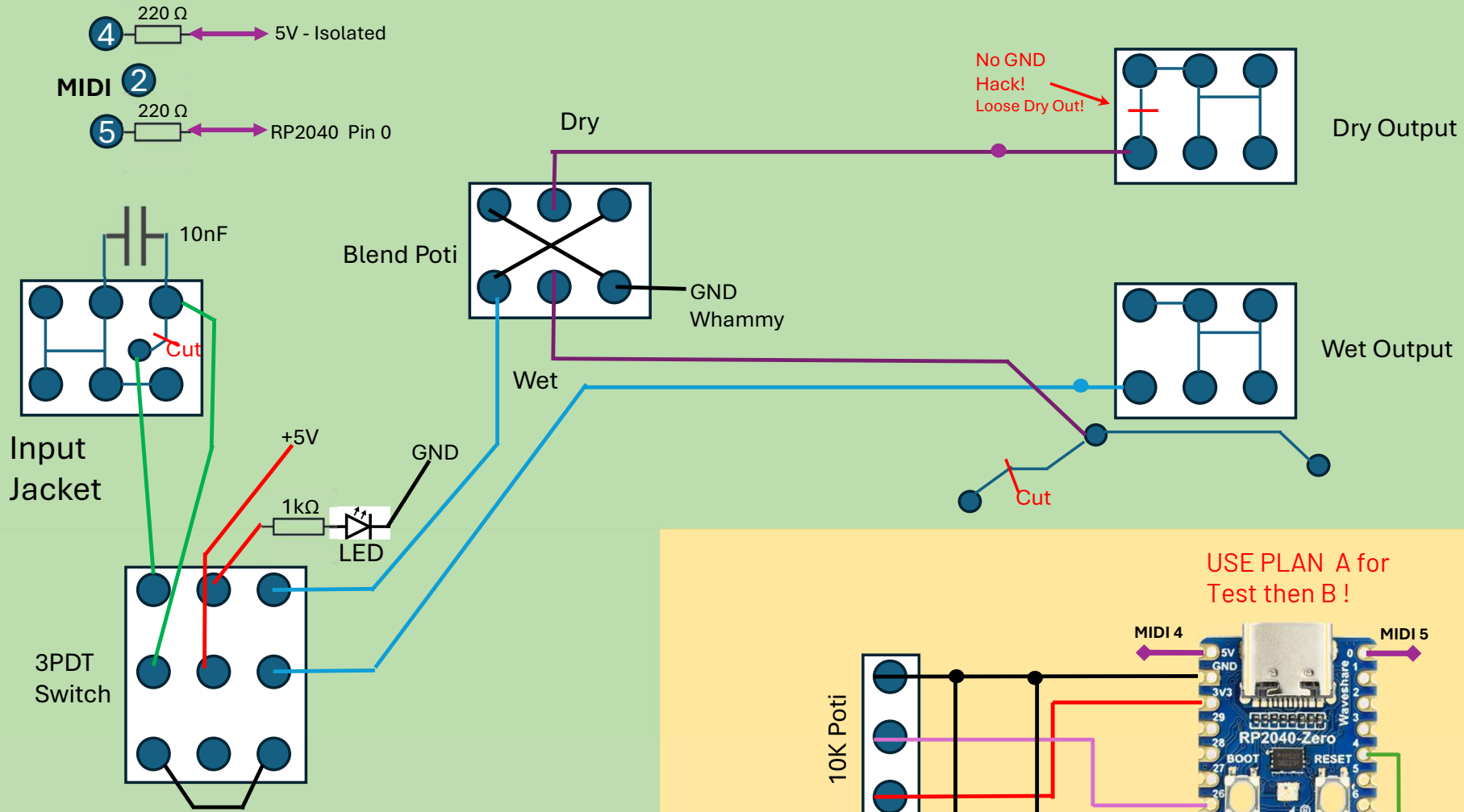


10K Ω

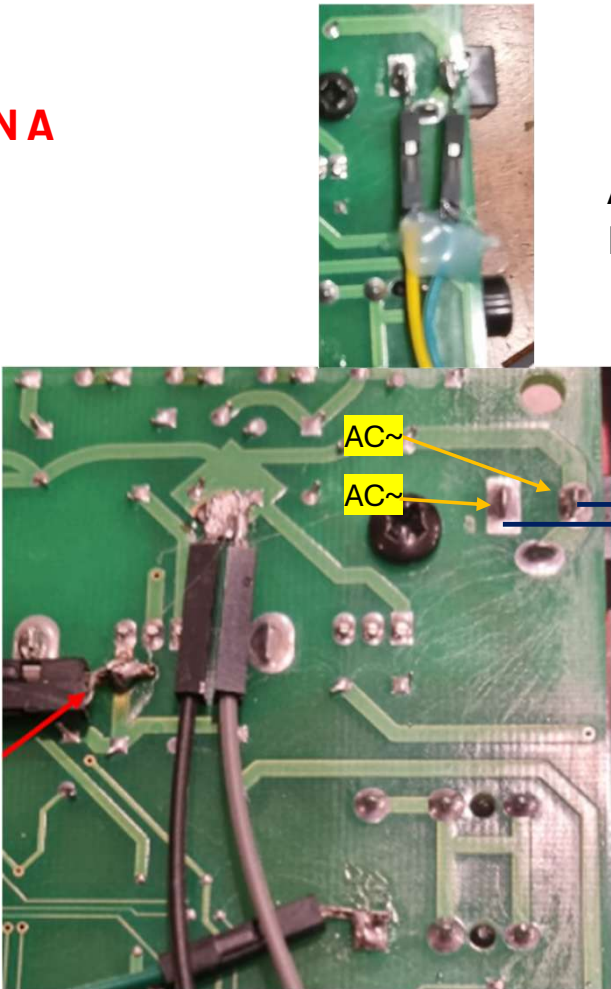


Raspberry Pi
2040 Zero

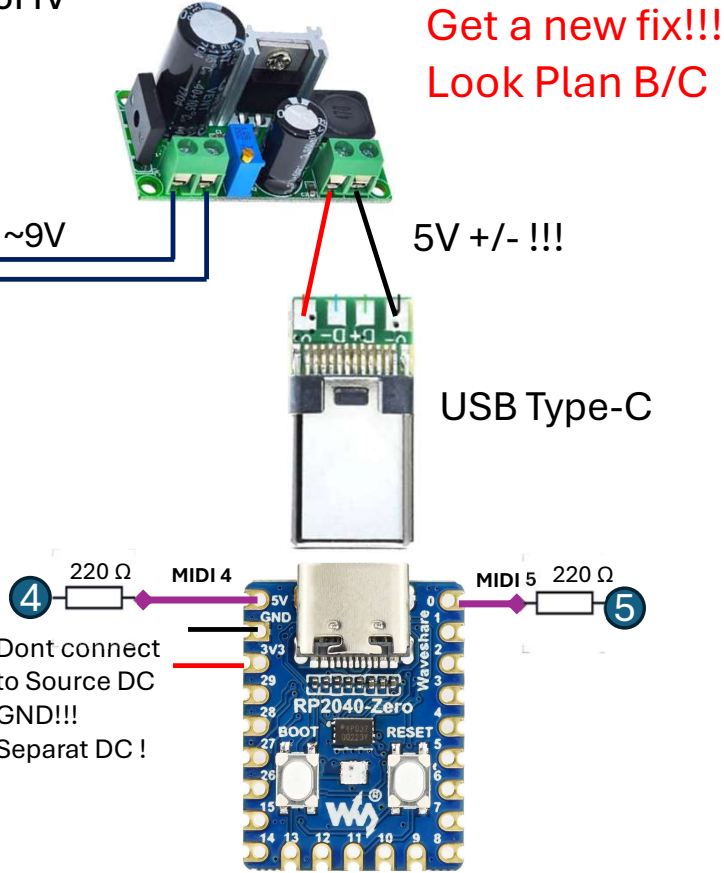




Power Supply **PLAN A**
TEST ONLY!

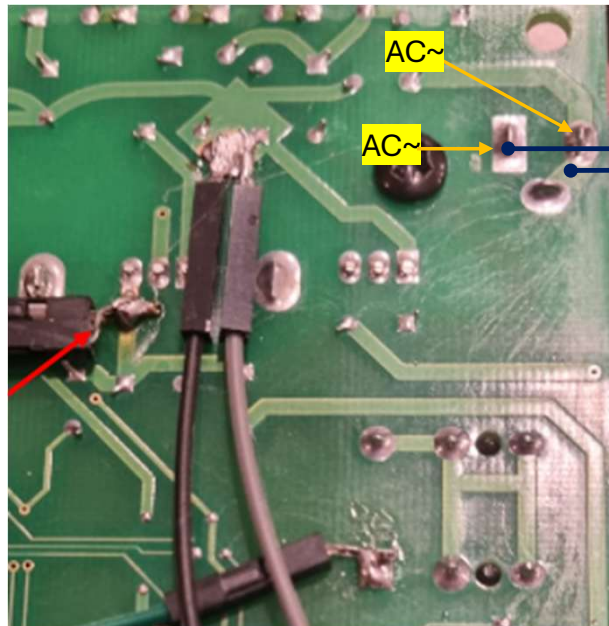


AC/DC Converter
LM2596HV



Get a new fix!!!
Look Plan B/C

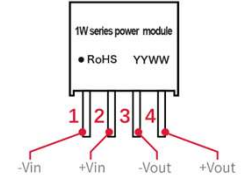
Power Supply **PLAN B**



AC/DC Converter
LM2596HV

B0505S-1W

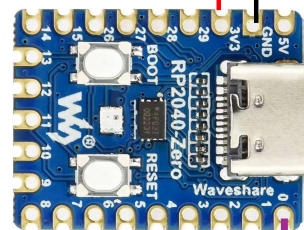
PIN DESCRIPTION



Voltage here!

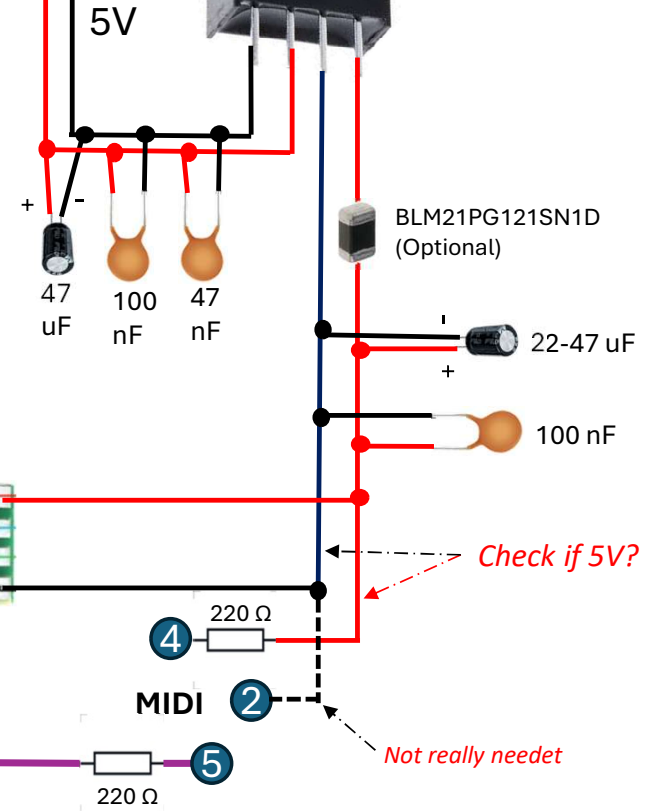
~9V

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



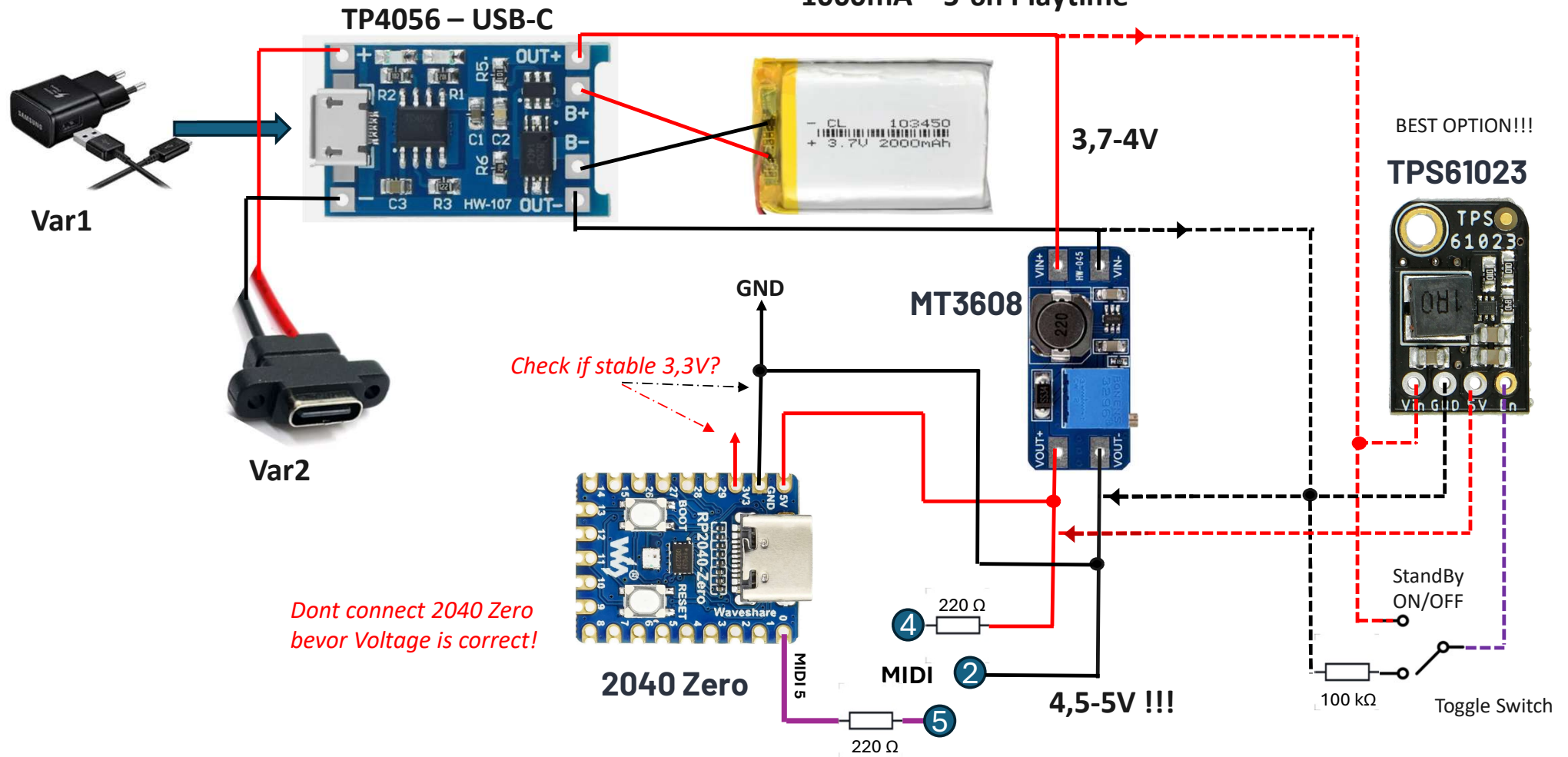
MIDI 5

Dont connect 2040 Zero
bevor Voltage is correct!

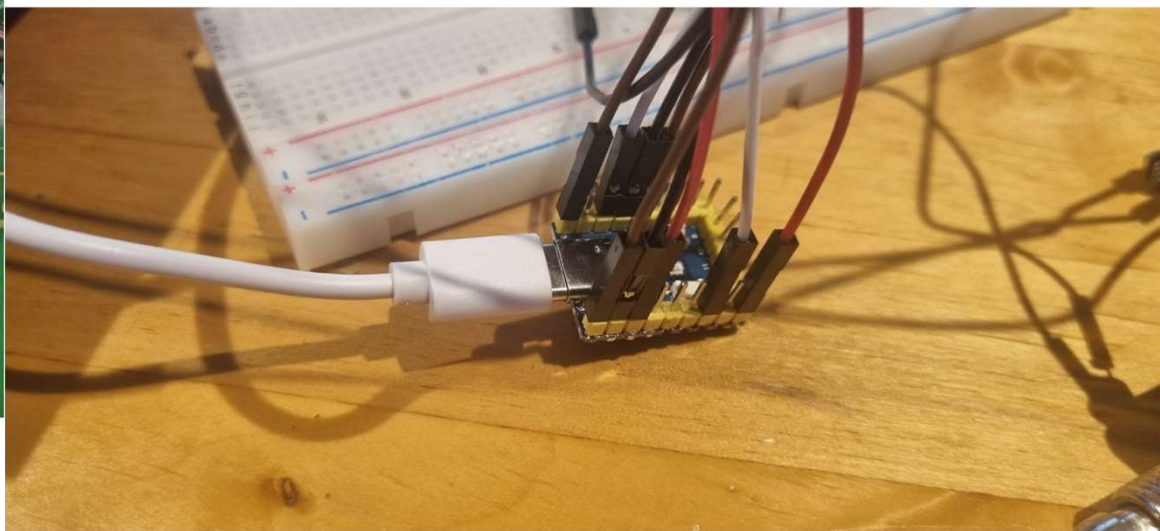
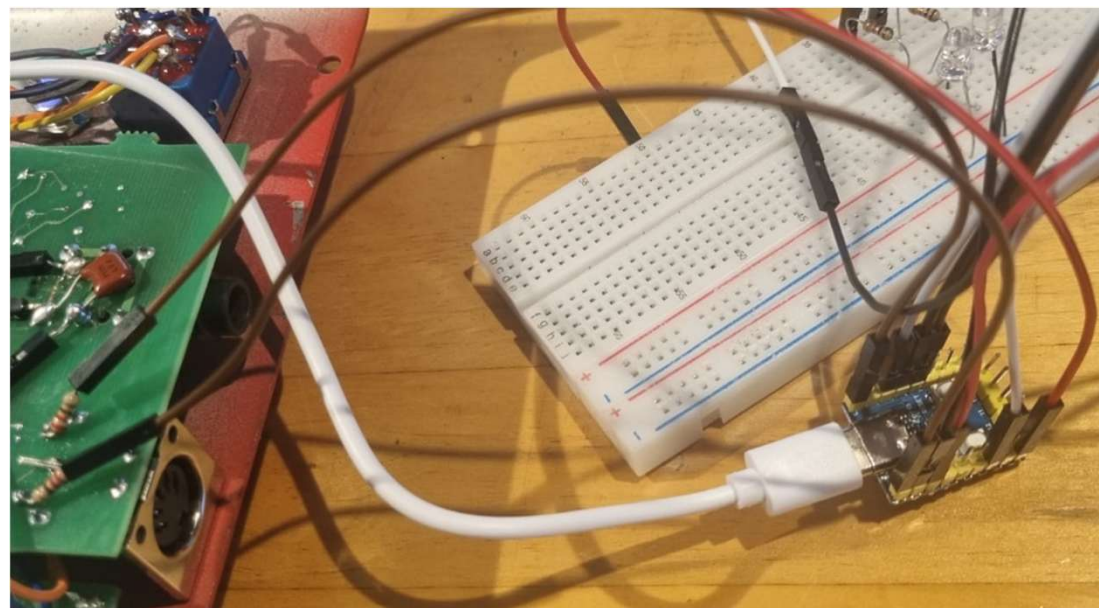
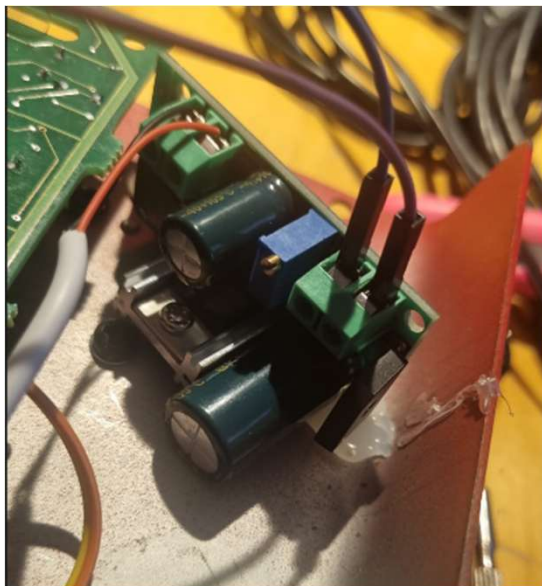


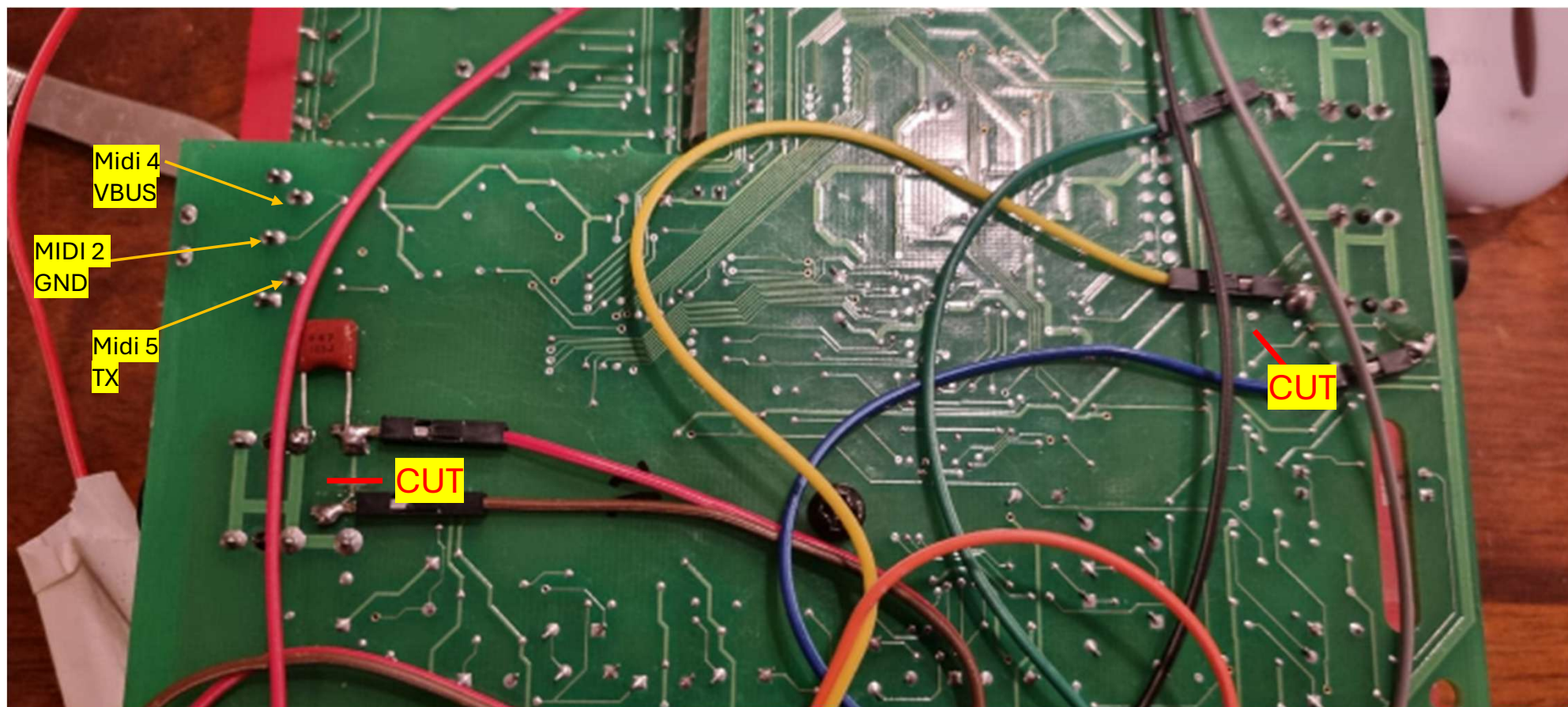
MT3605 **OR** TPS61023MT3605 **OR** TPS61023

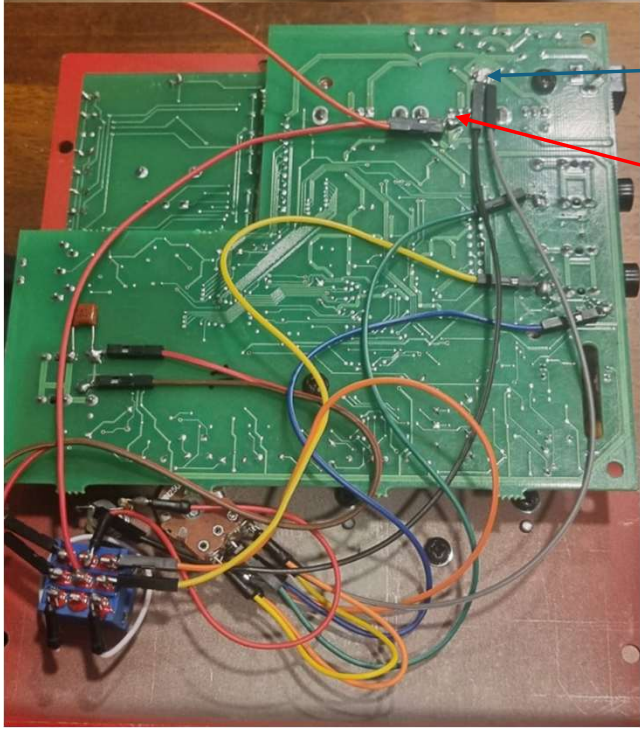
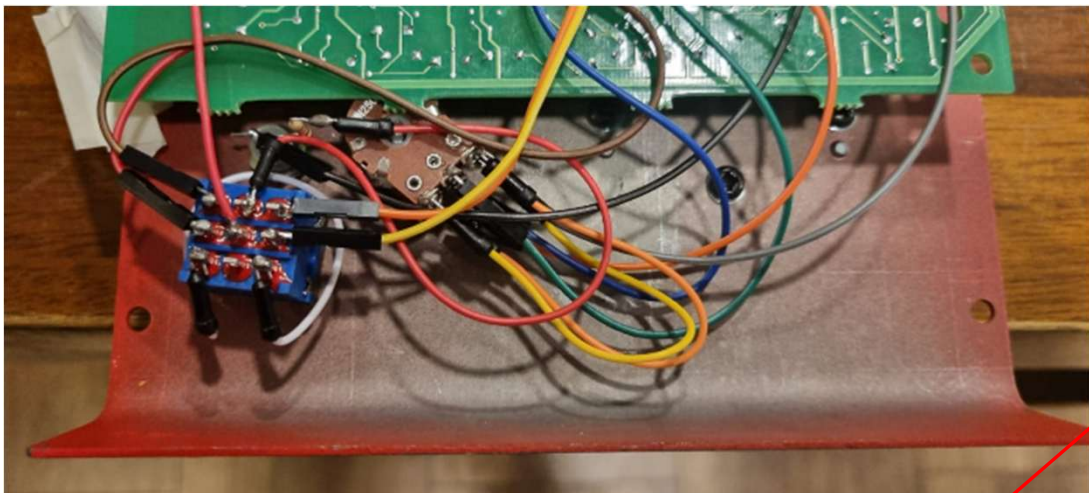
1000mA ~ 5-6h Playtime



Power Supply Test

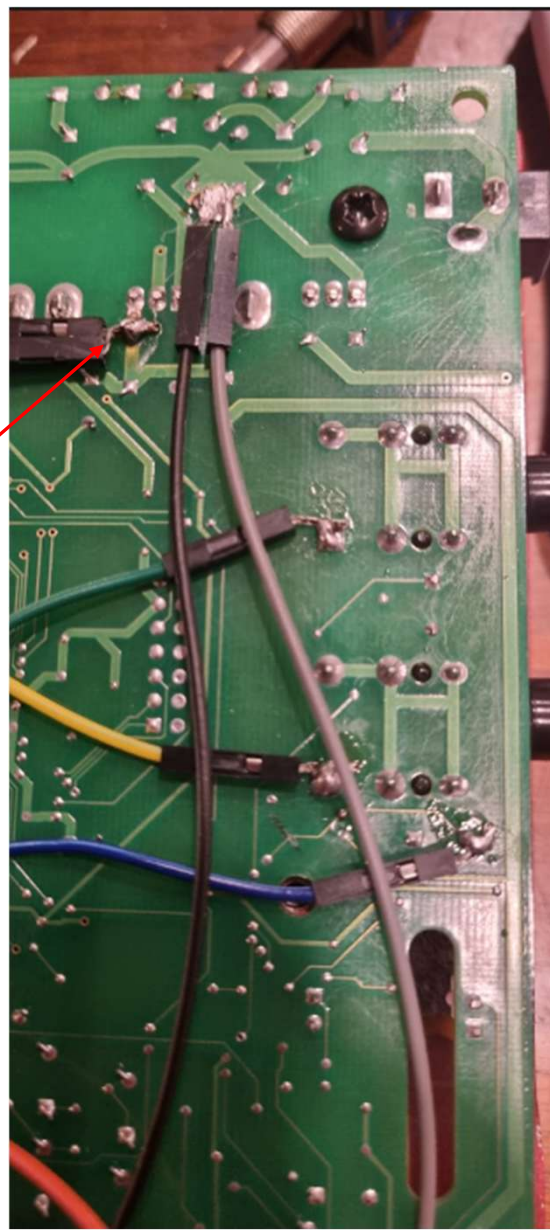


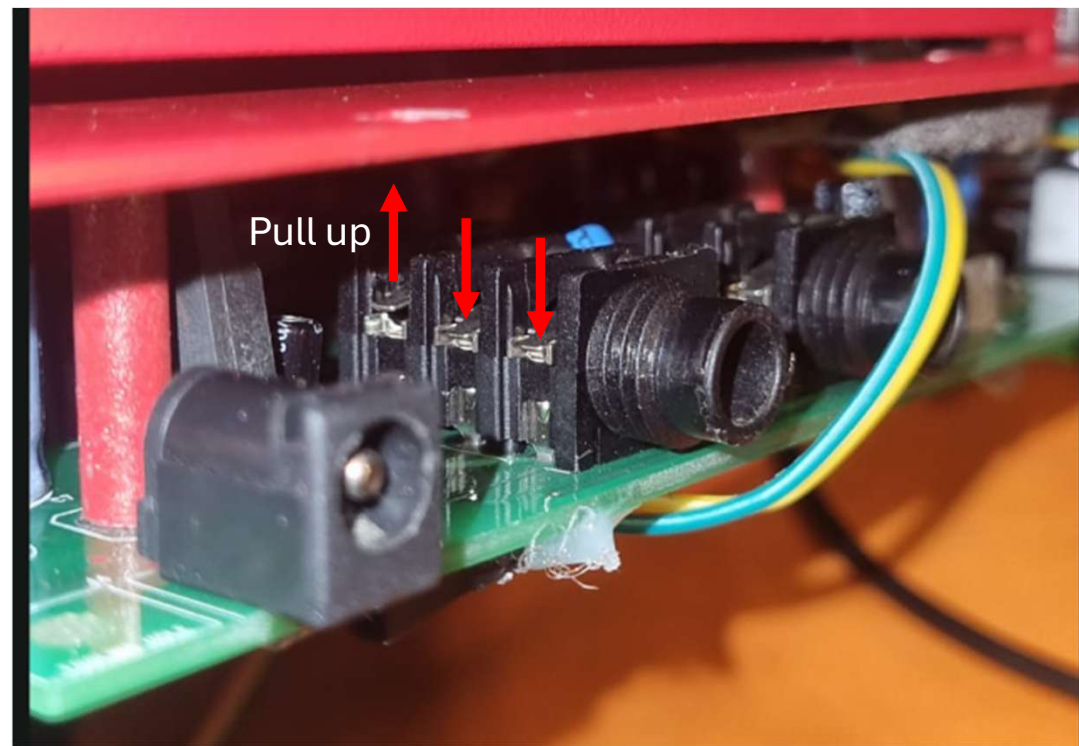
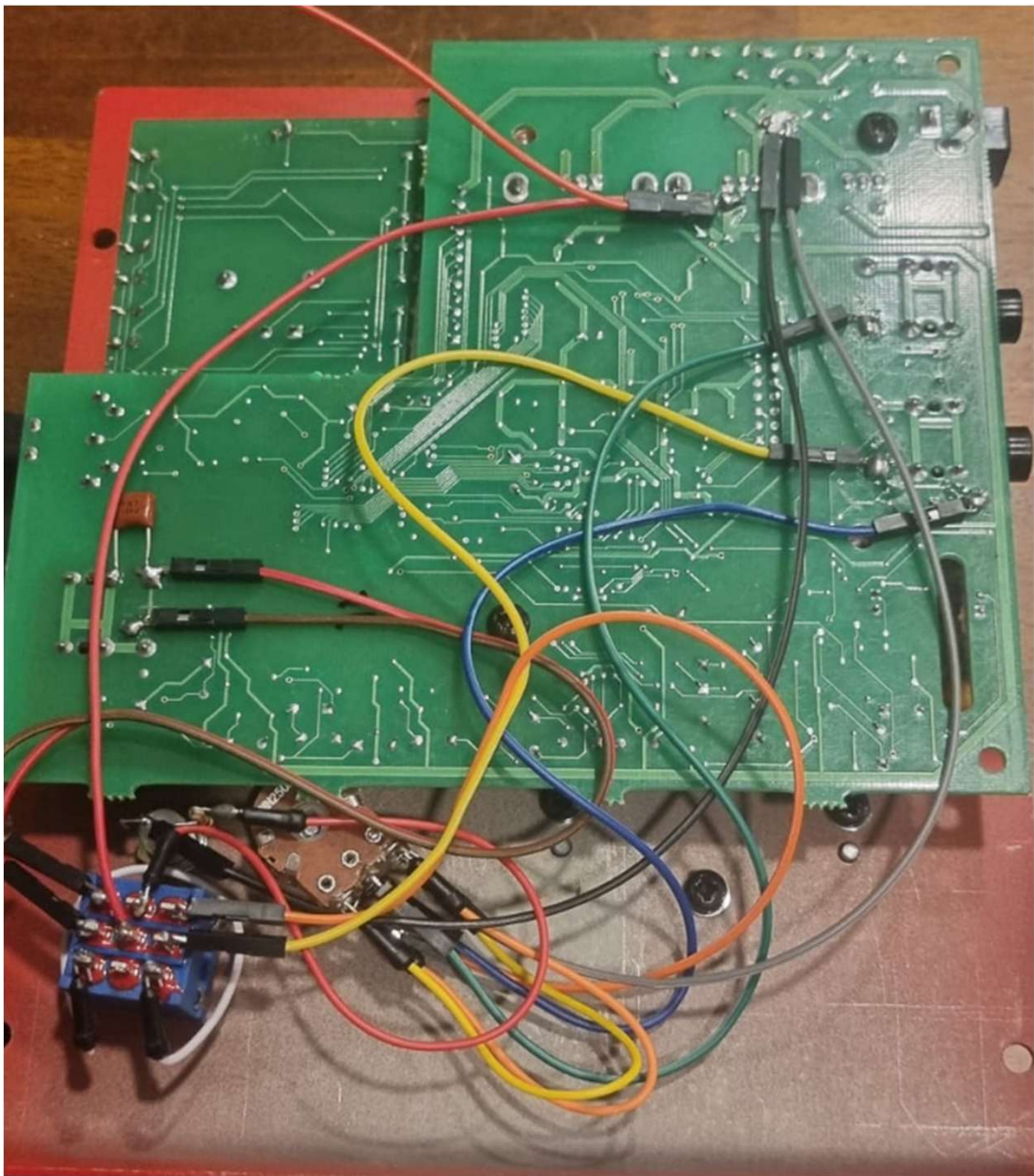




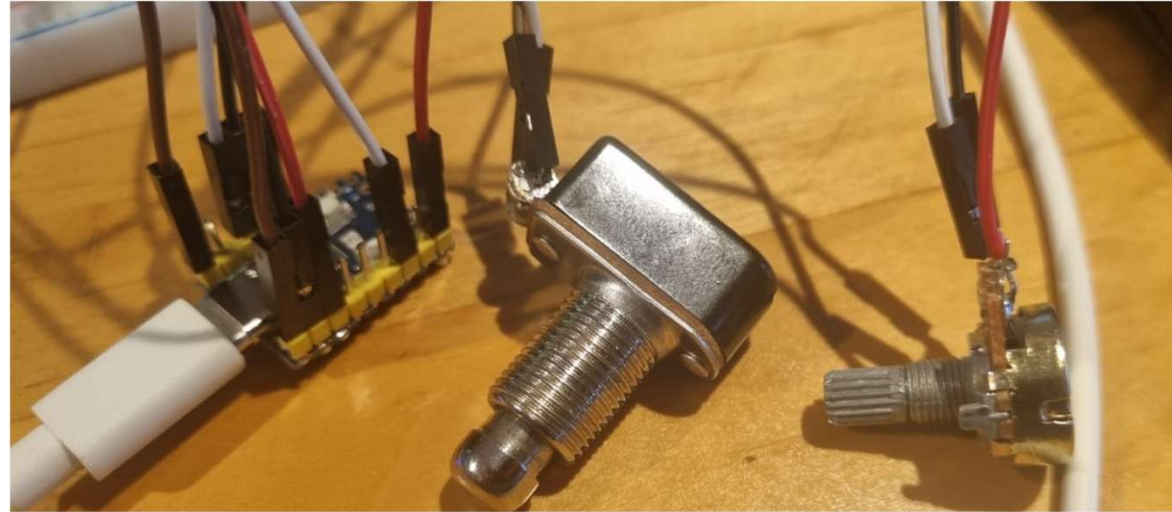
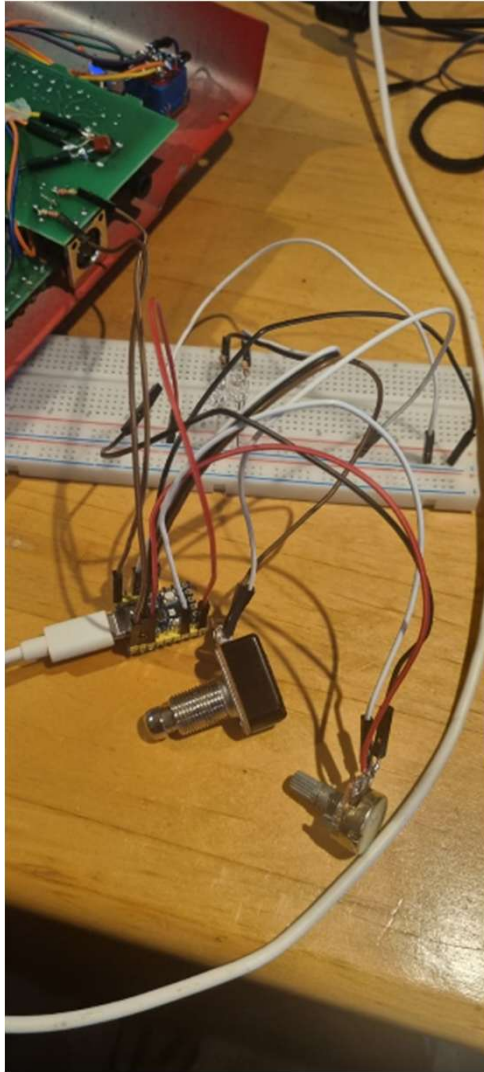
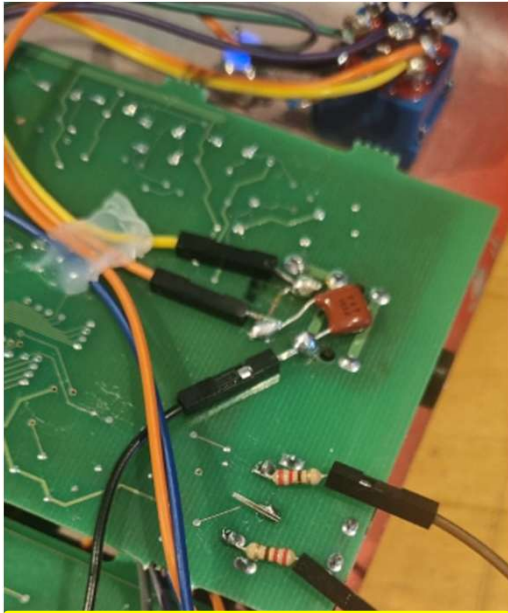
GND LED
HERE!!!

+5V LED
HERE!!!





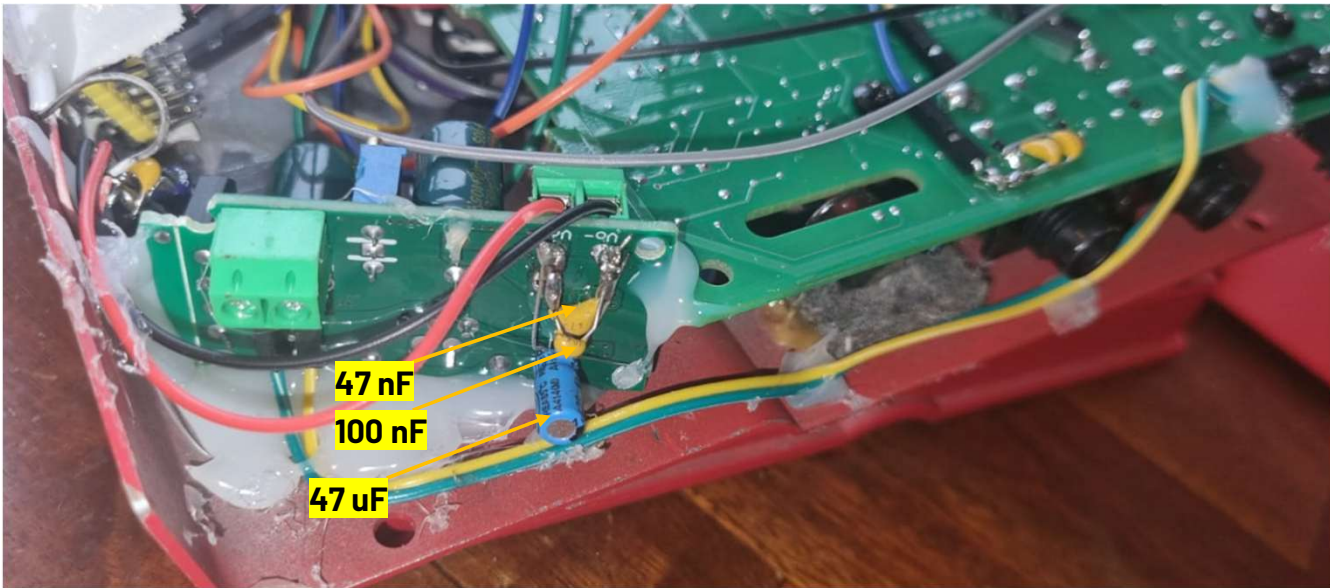
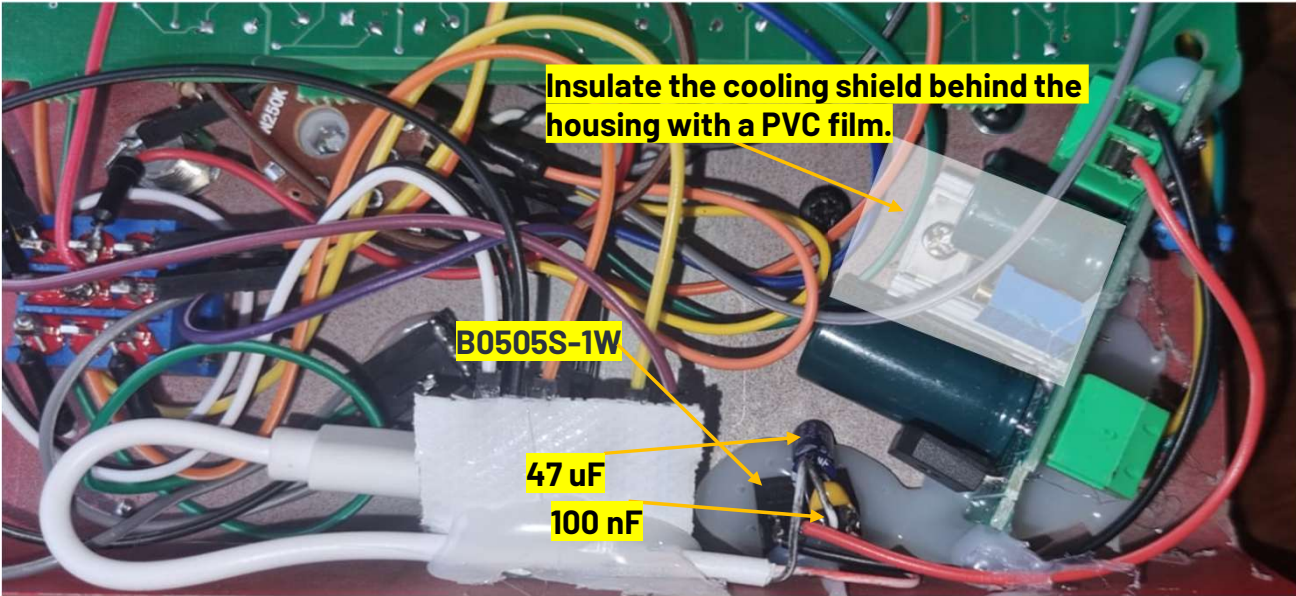
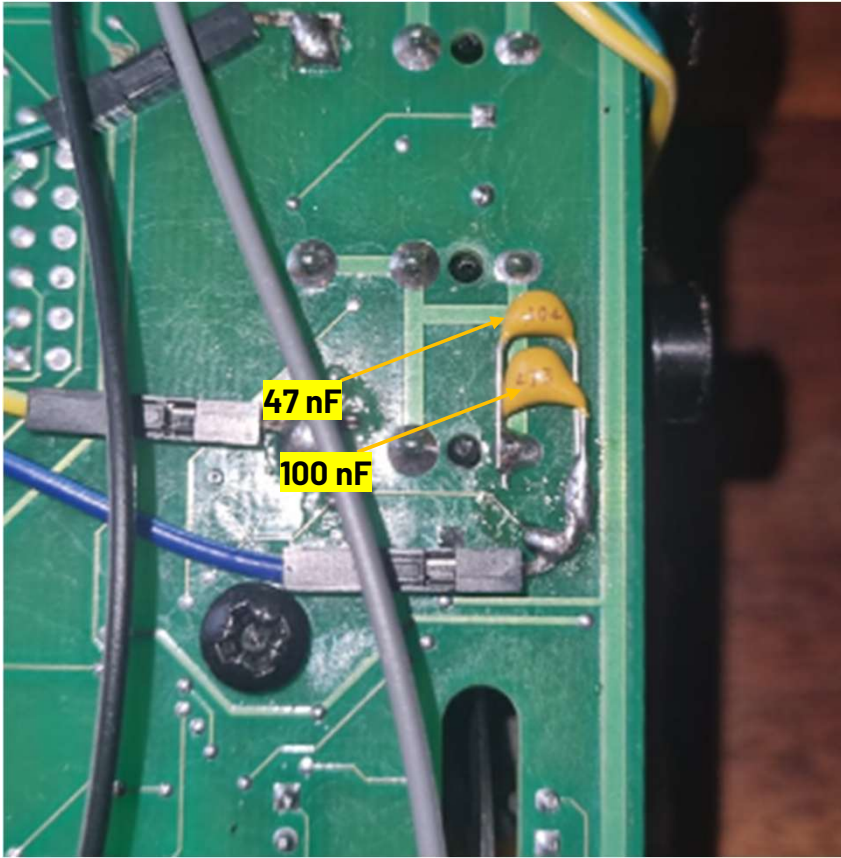
Midi Test



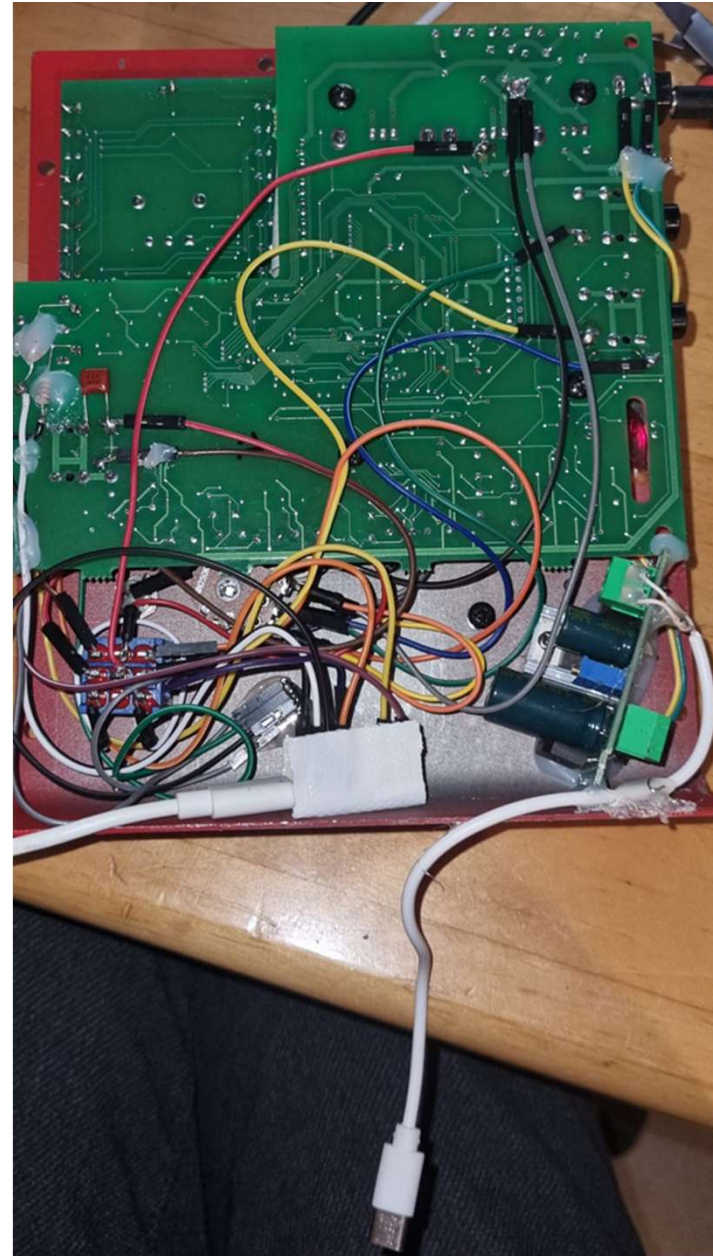
<https://youtube.com/shorts/wjgEext1rCg>

- 2 combinable effect presets

Anti- Noise-Filter



Final Front/Back



**Flash NEO
Software**

