

Whammy 4 – Version 1.06
By melatroid

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True Bypass, Blend Mix
Shutter Gate Effect
Change Effects
Momantary



Calibration

Midi Access

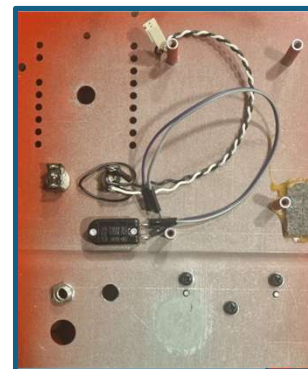
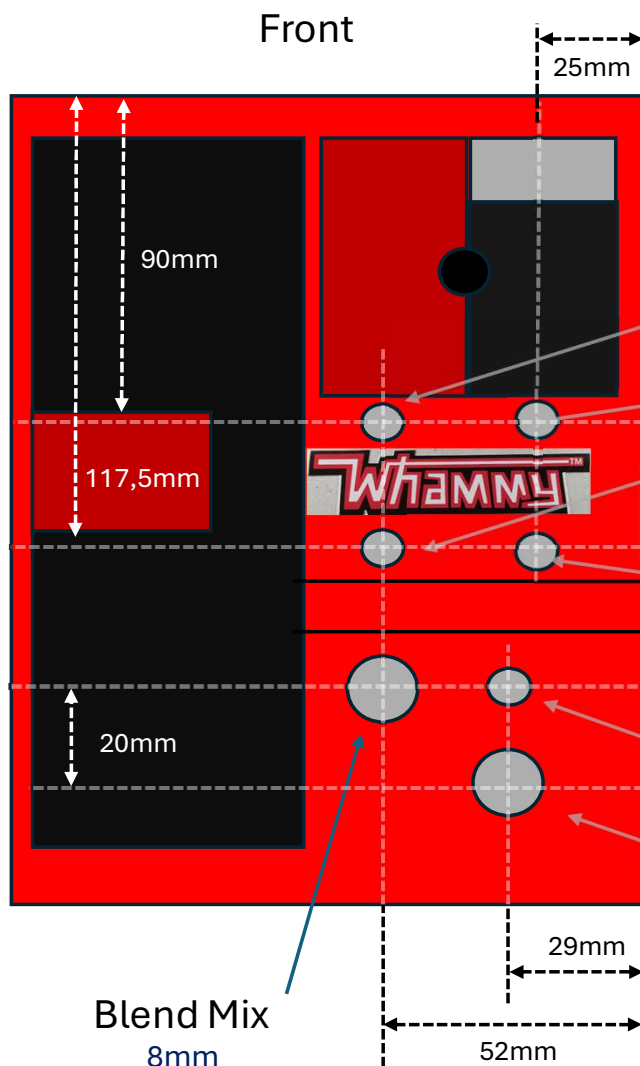
Time

Momantary / Change Effects

Blend Mix

LED On/OFF

Effect On/OFF



6mm
Calibration Switch

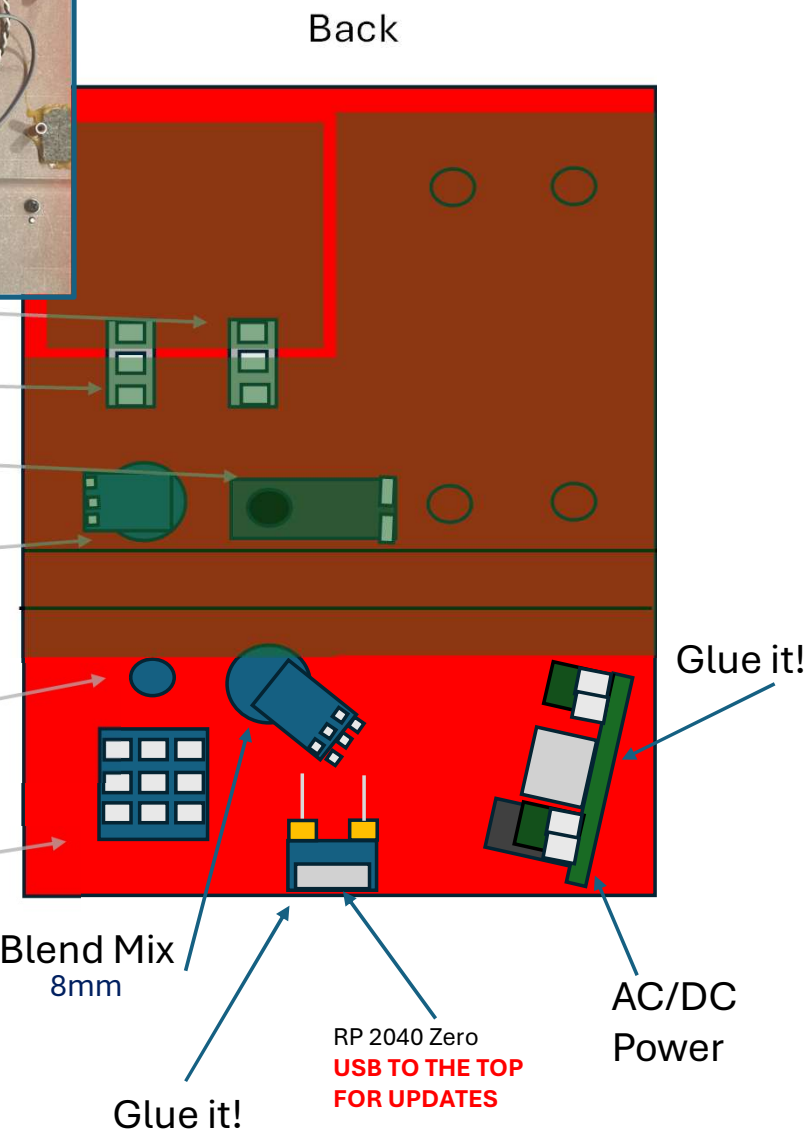
6mm
Midi Access Switch

12mm
Momentary Switch

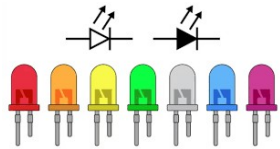
7mm
Poti 10KOhm

LED
7,5mm

3PDT
10mm



Parts



1k Ω 3x

1M Ω

220 Ω 2x



10nF
(optional)



Toggle Switch 2x
Midi Access /
Calibration



Momantary
(Original Part)



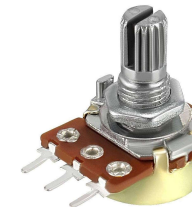
250k Ω
Blend



3PDT



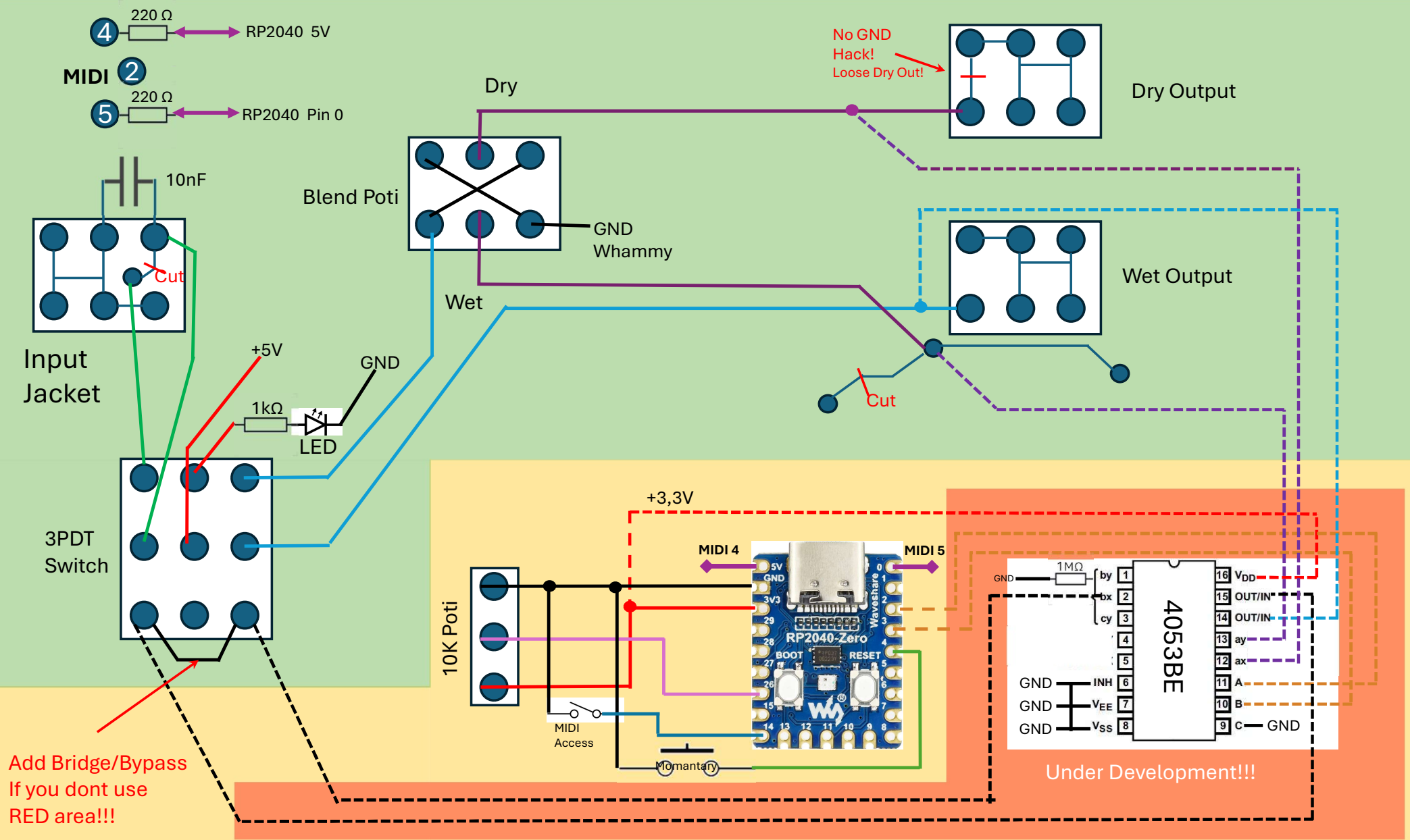
AC/DC
LM2596HV



10K Ω



Raspberry Pi
2040 Zero



Power Supply



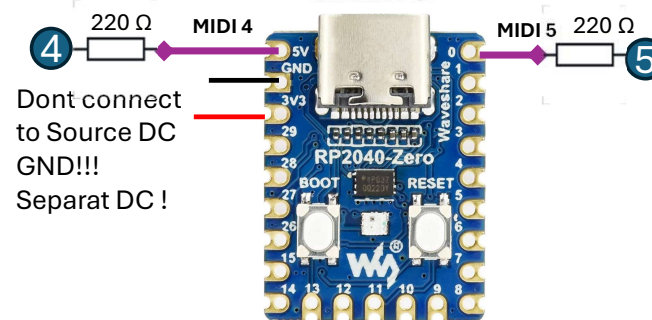
AC/DC Converter
LM2596HV



~9V

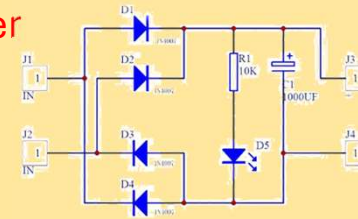
5V +/- !!!

USB Type-C



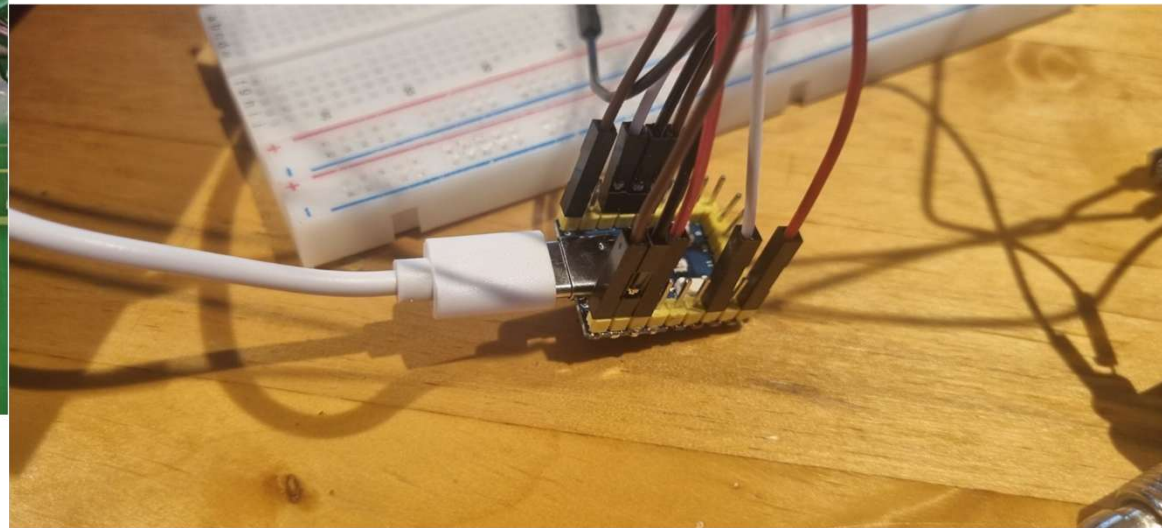
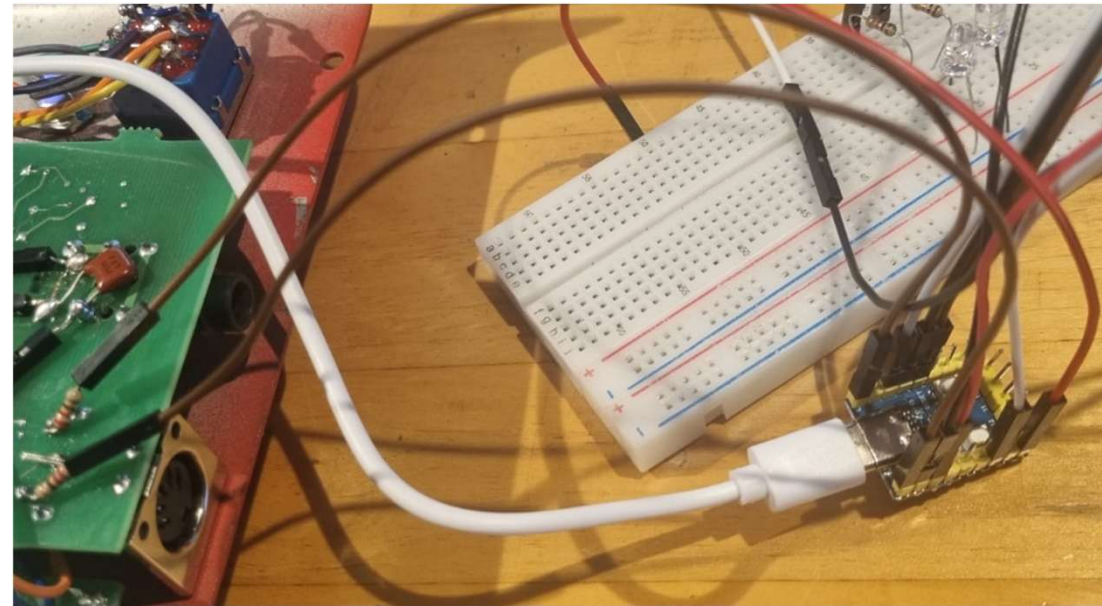
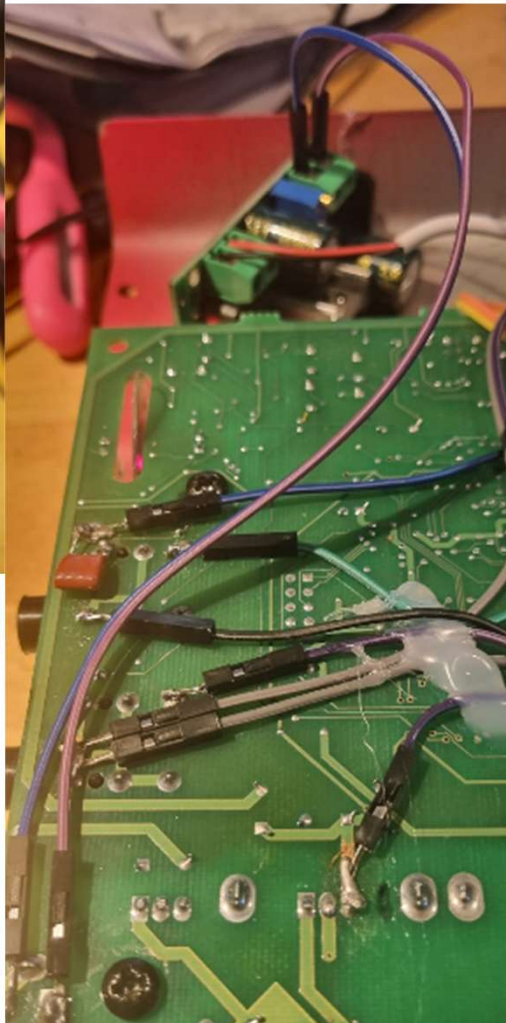
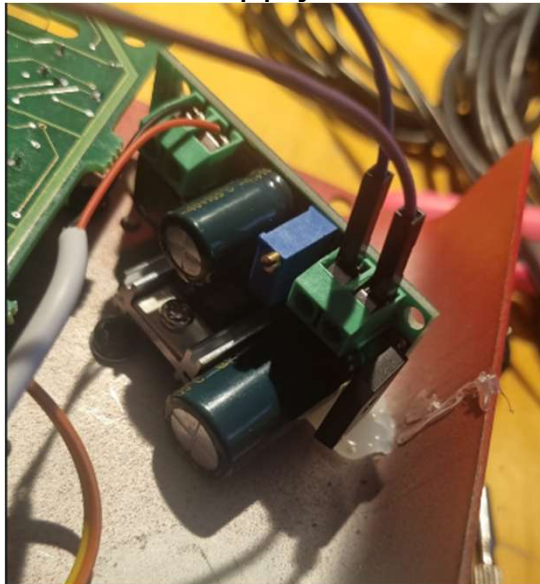
AC/DC Fullbridge

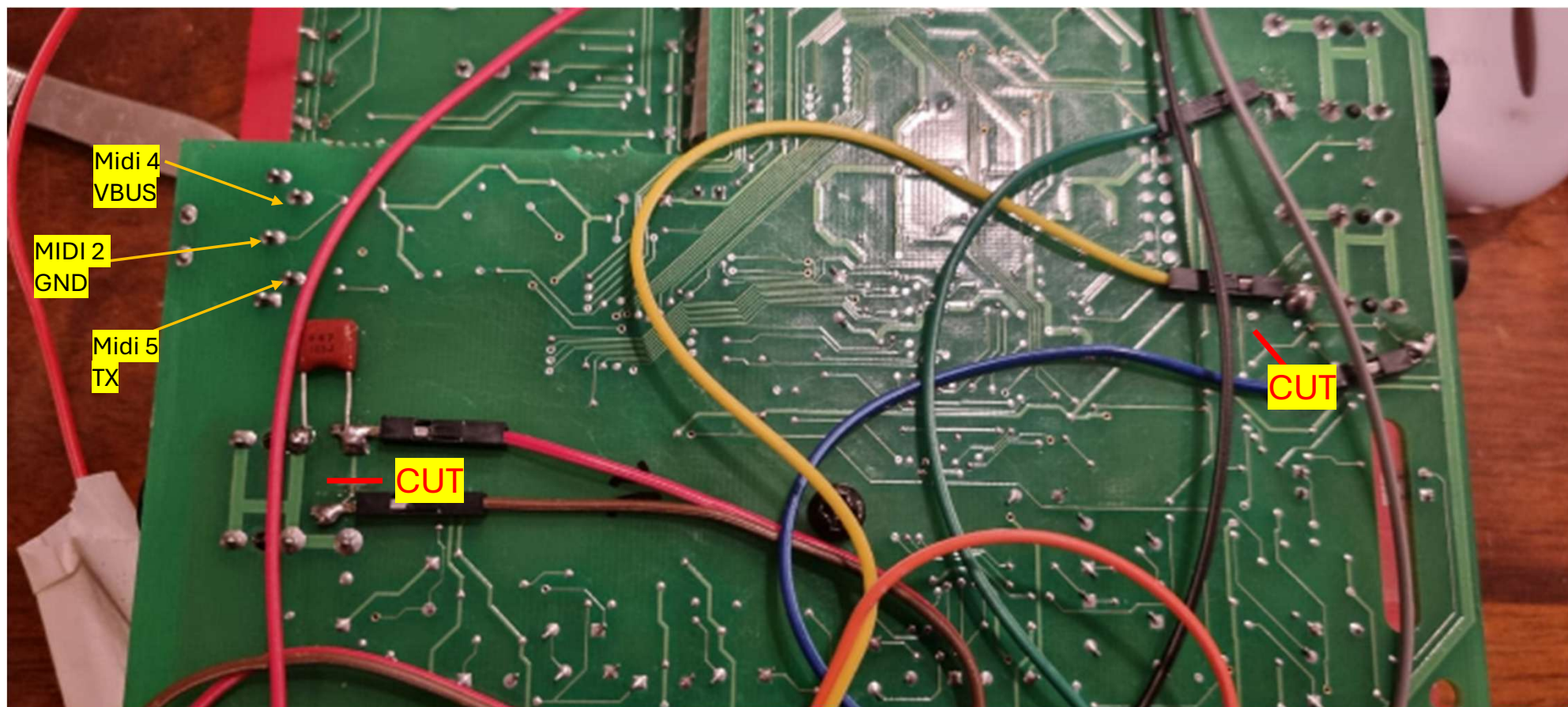
AC/DC Converter
ALTERNATIVE!!!

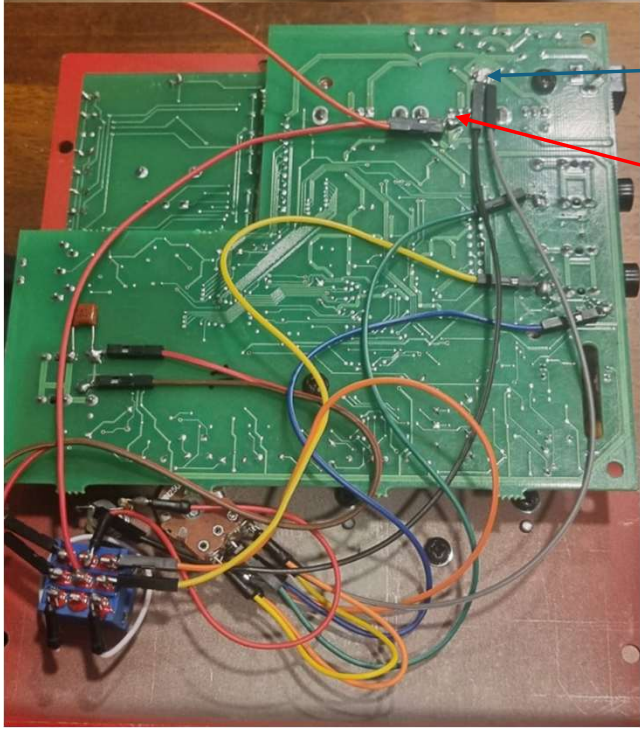
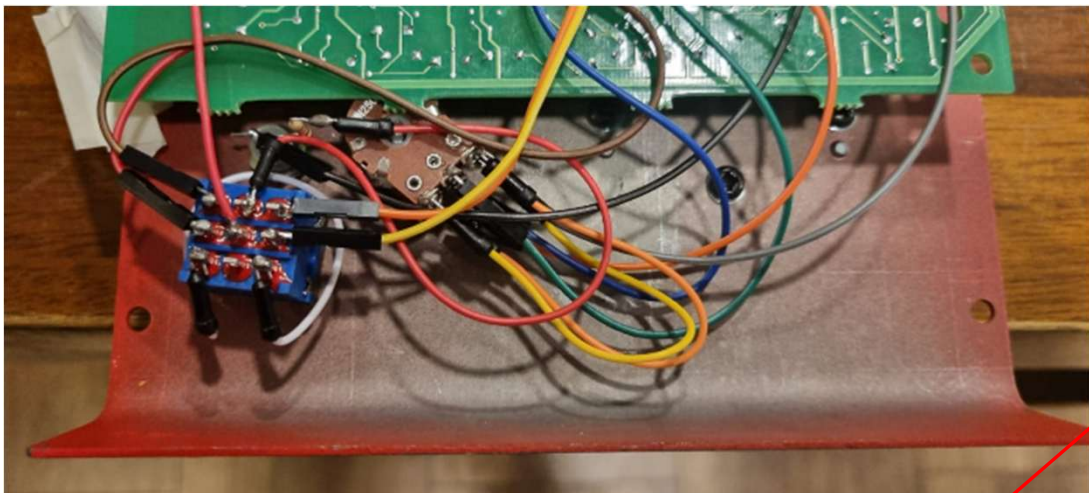


MP1584EN

Power Supply

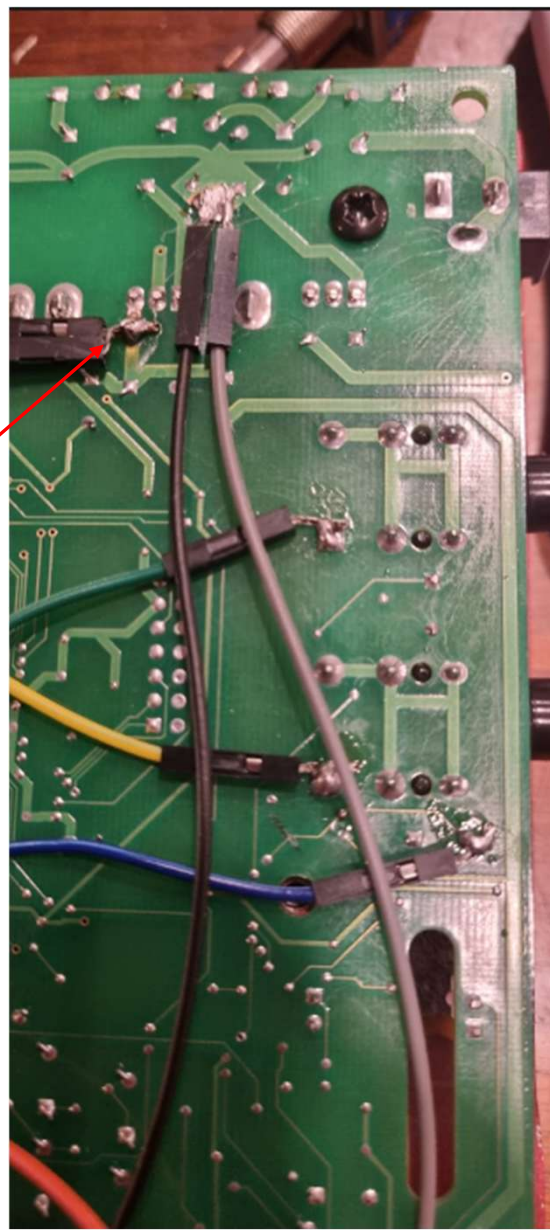






GND LED
HERE!!!

+5V LED
HERE!!!



EFFECT

DETUNE

SHALLOW

DEEP

WHAMMY

2 OCT

1 OCT

1 OCT

2 OCT

DIVE BOMB

DROP TUNE

HARMONY

1 OCT 1 OCT

1 5TH 1 4TH

1 4TH 1 3RD

1 5TH 1 7TH

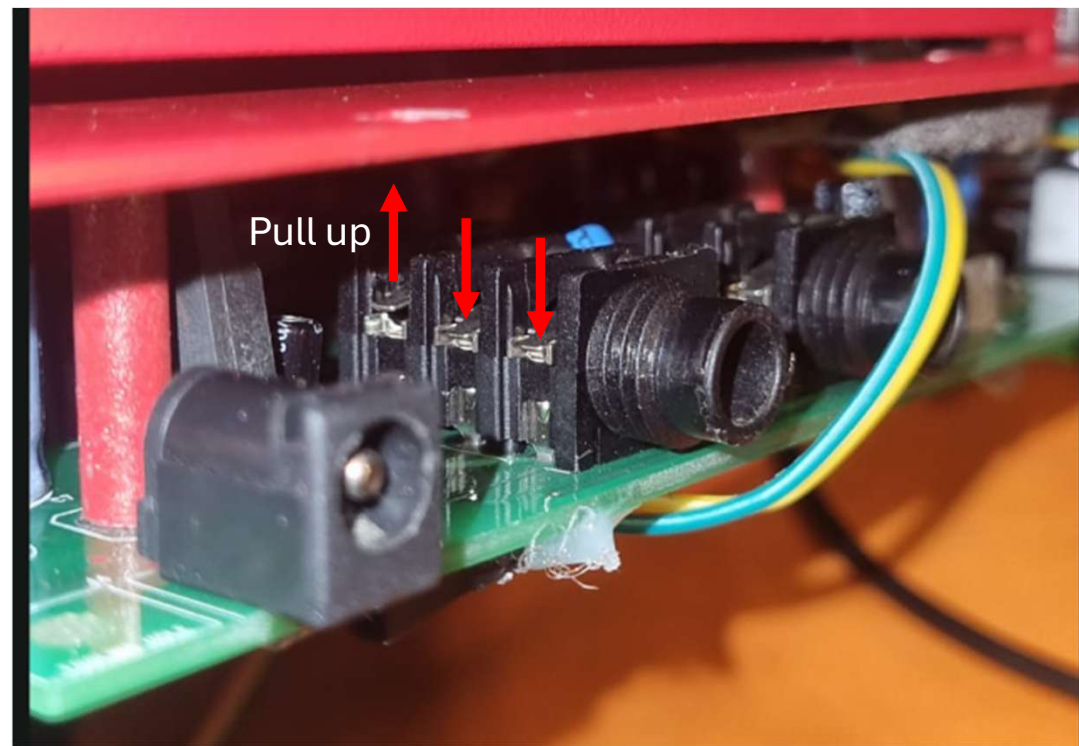
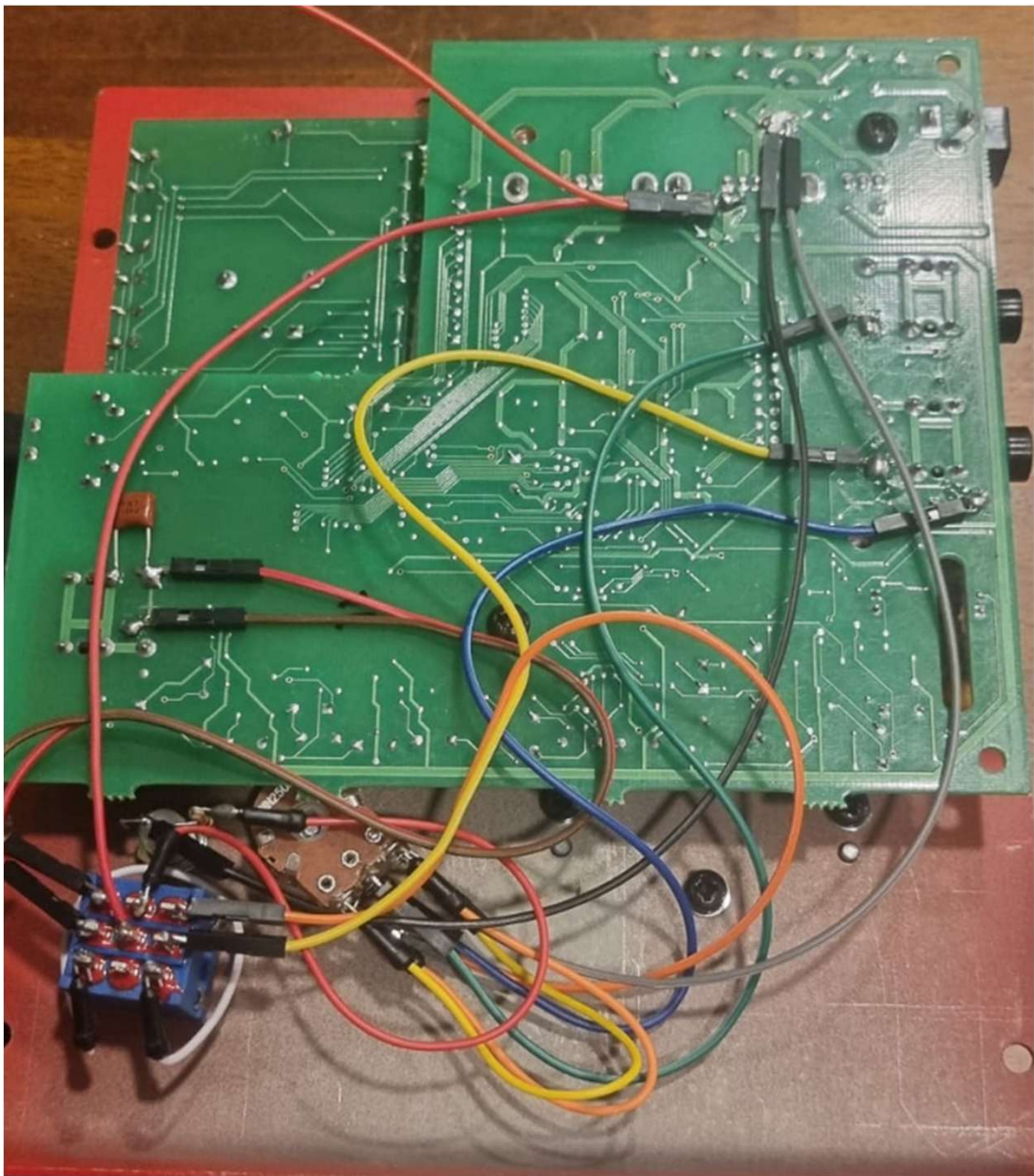
1 5TH 1 6TH

1 4TH 1 5TH

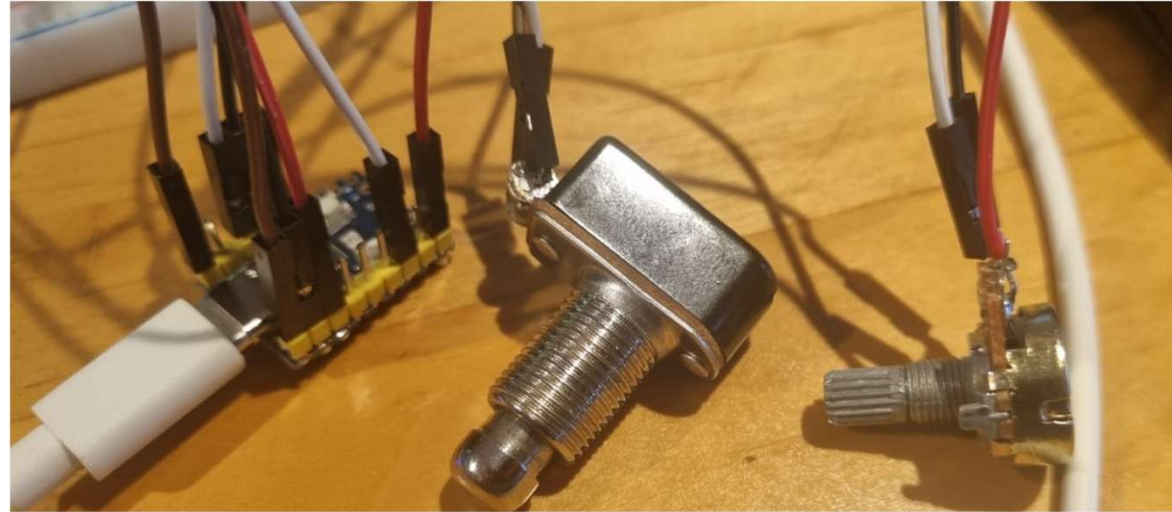
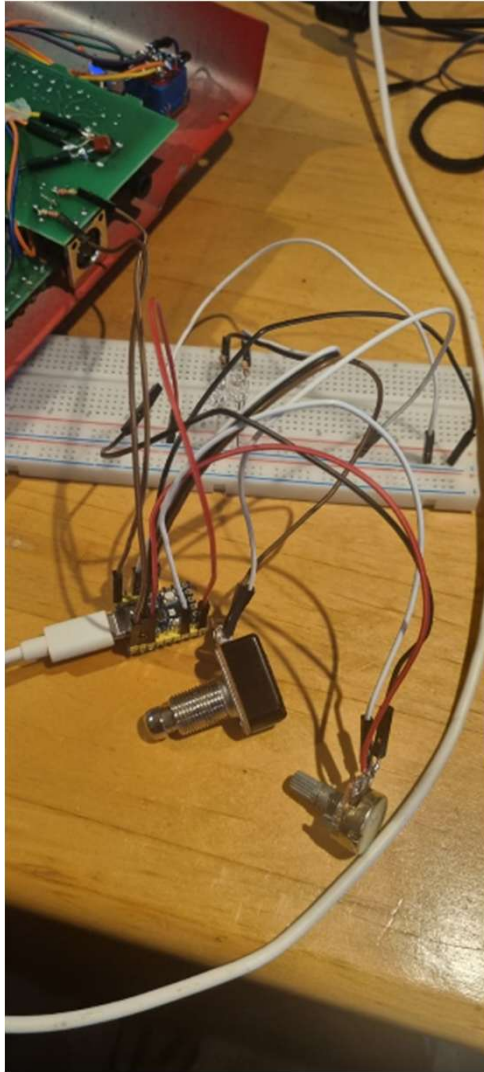
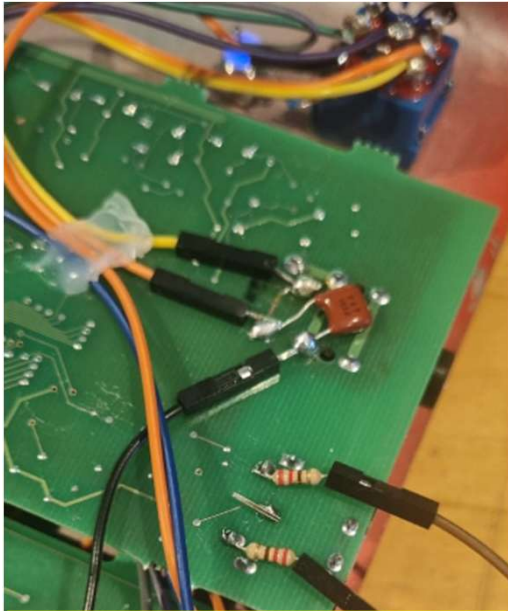
1 3RD 1 4TH

1 3RD 1 3RD

1 2ND 1 3RD



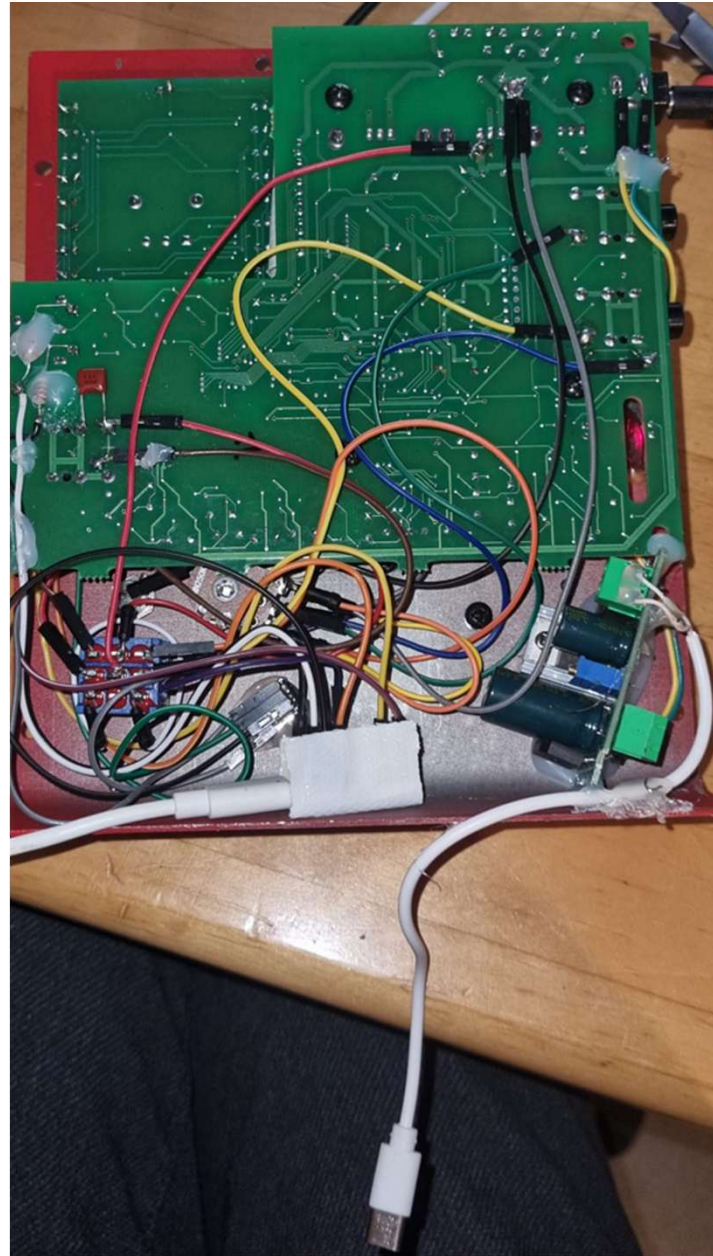
Midi Test



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

- 2 combinable effect presets

Final Front/Back



Flash NEO
Software

