

Whammy 4 – Version 1.05
By melatroid

True Bypass, Blend Mix,
Shutter Gate Effect,
Change Effects
Shutter/Momantary



Calibration

Midi Access

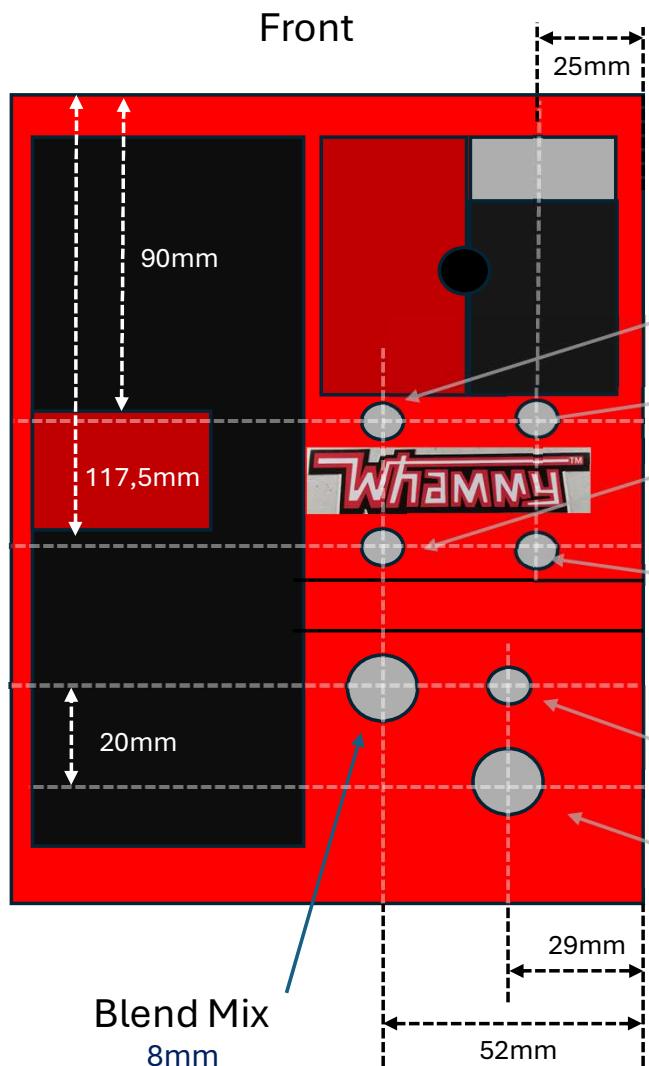
Shutter Speed

Momantary / Change Effects

Blend Mix

LED On/OFF

Effect On/OFF



6mm
Calibration Switch

6mm
Midi Access Switch

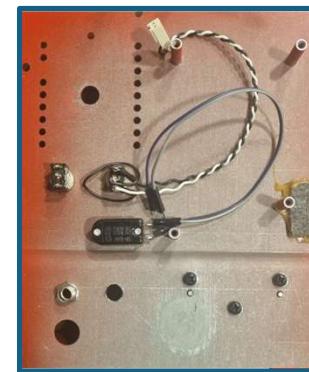
Momentary Switch
12mm

Poti 10KOhm
7mm

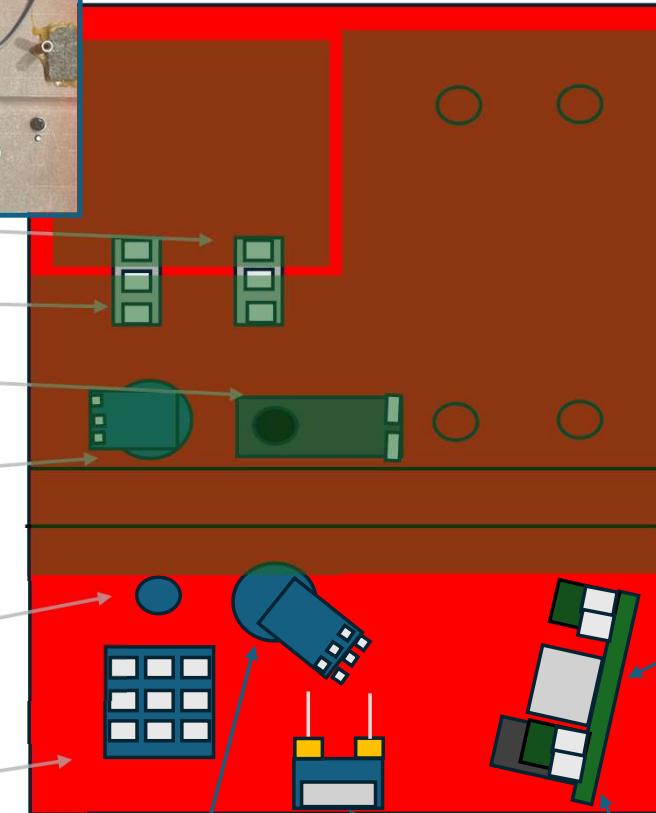
LED
7,5mm

3PDT
10mm

Blend Mix
8mm



Back

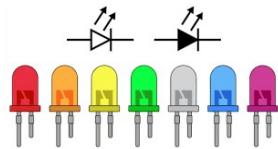


Glue it!

USB TO THE TOP
FOR UPDATES

Glue it!

Parts



1k Ω 3x

1M Ω

220 Ω 2x



10nF
(optional)



Toggle Switch 2x
Midi Access /
Calibration



Momentary
(Original Part)



250k Ω
Blend



3PDT

AC/DC
LM2596HV



4053BE



10K Ω



Raspberry Pi
2040 Zero



Midi Access

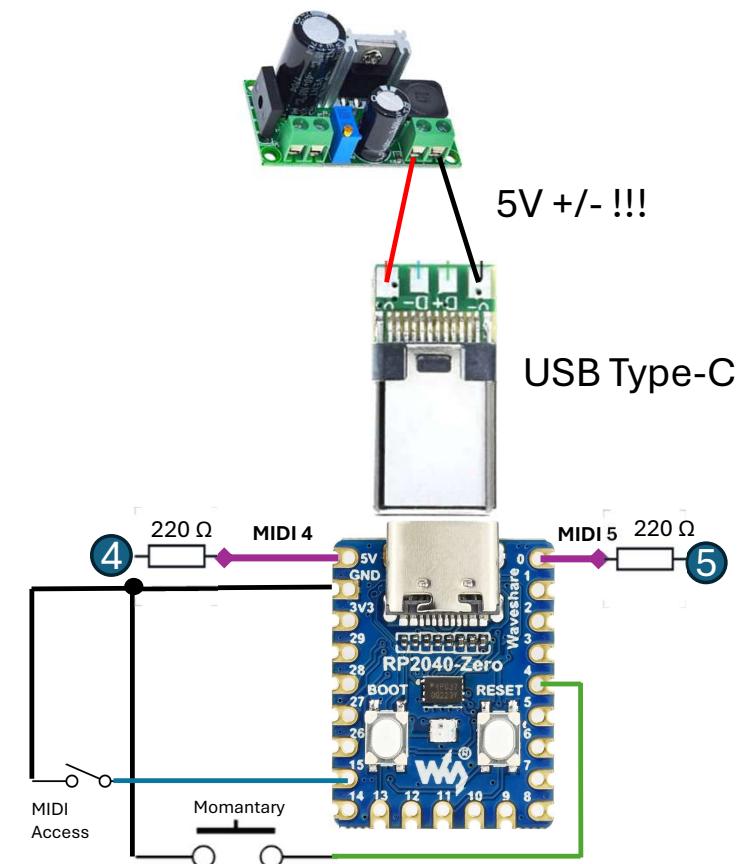


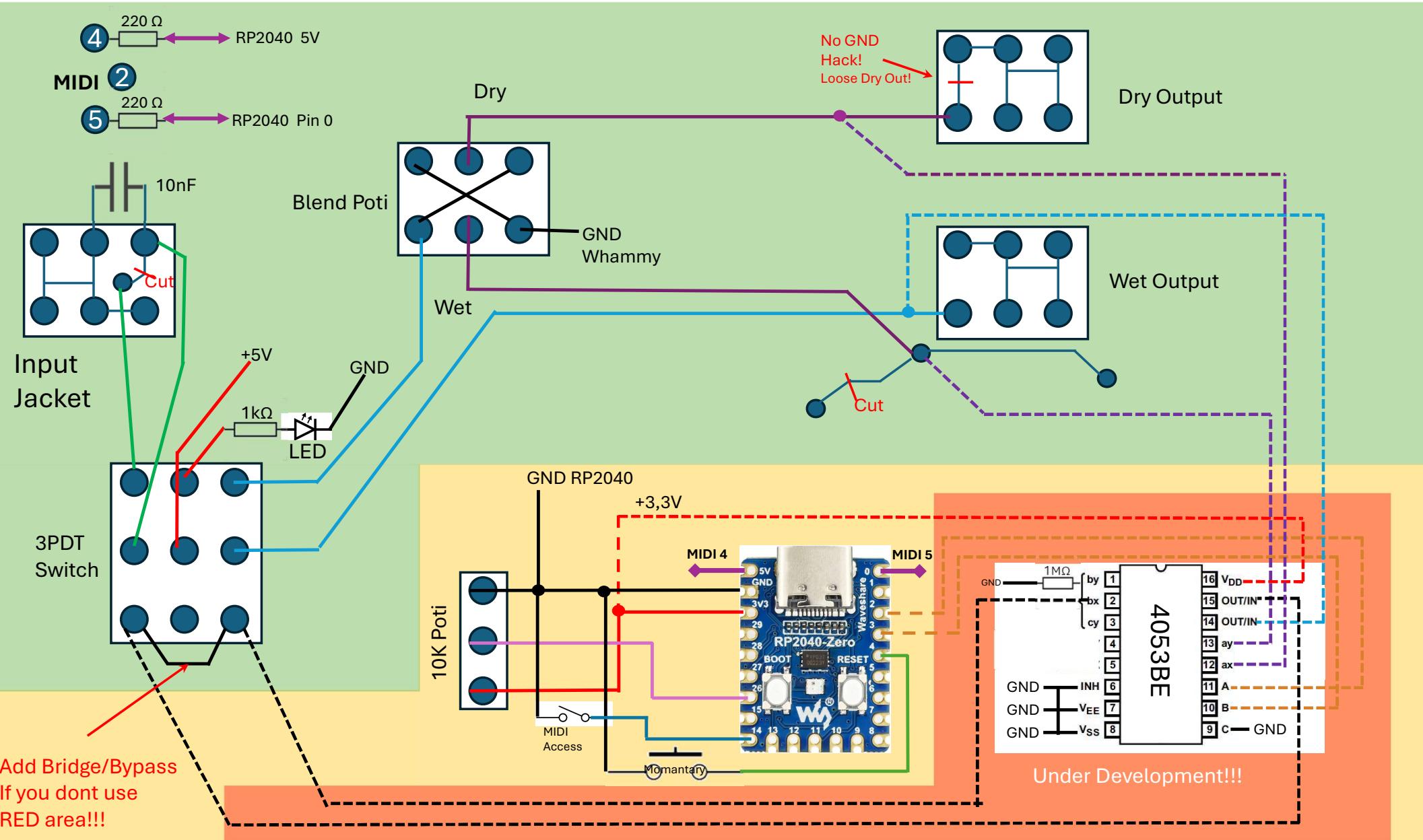
- Save after 2 sec
- Blinks 3 Times for each Effect section



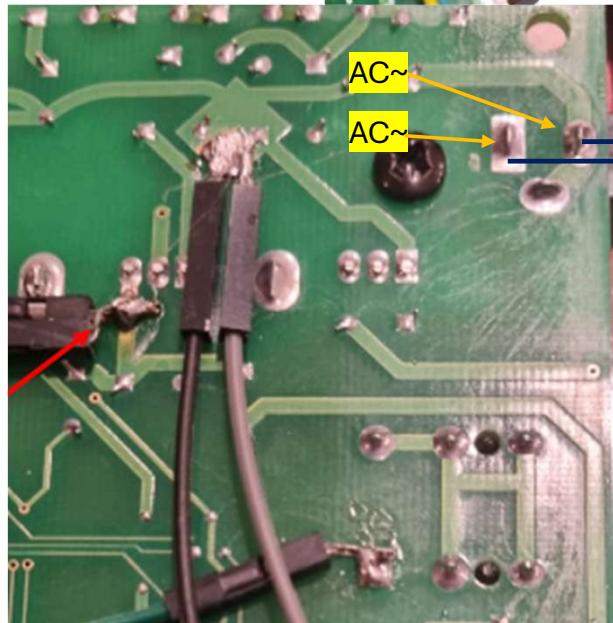
- Midi Access ON
 - Change Effect 1/2 for Momentary/Shuttergate
 - Hold – Change Effect 1/2
 - Double Tap – Jump Back
- Midi Access OFF
 - Momentary/Shutter Effect 1/2
 - Double Tap – Change Effect

<https://youtube.com/shorts/yBMvel-sLH8>

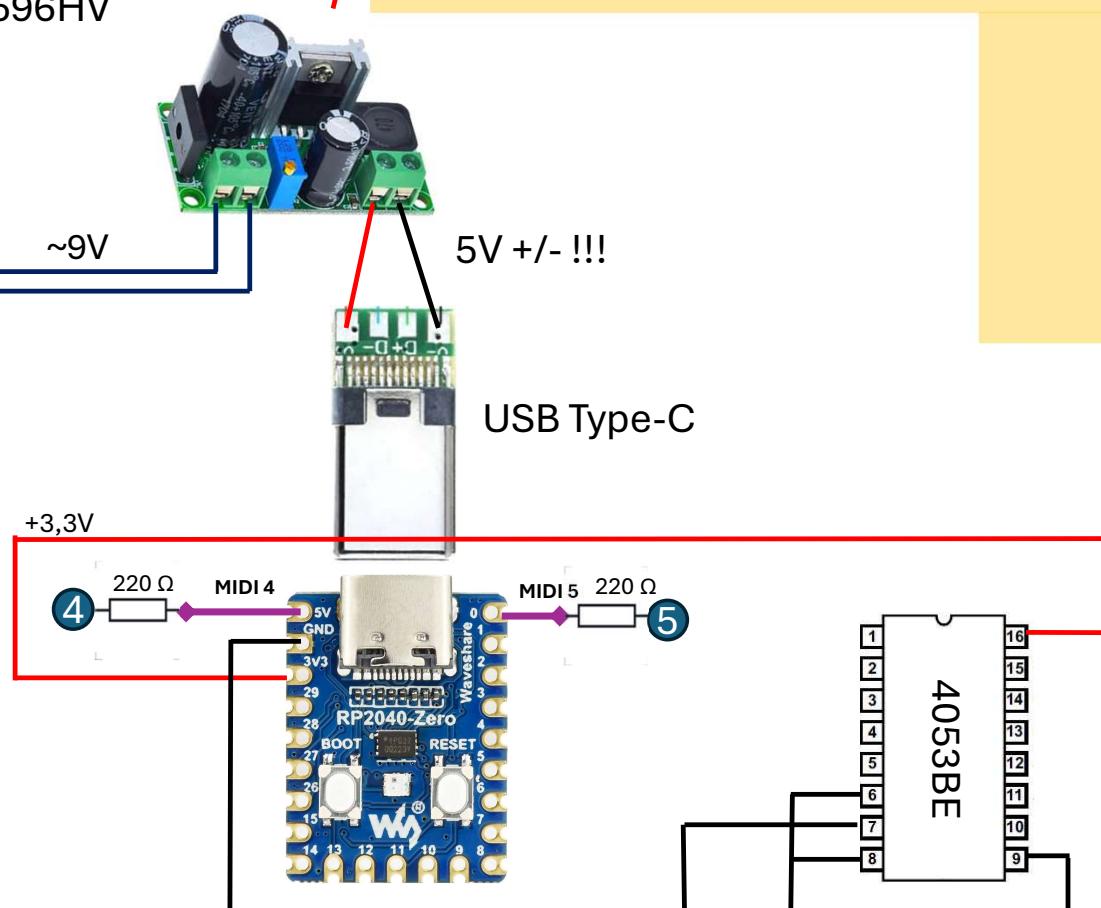




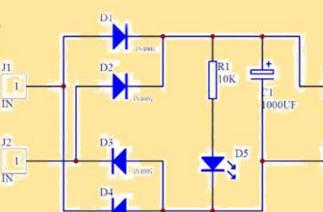
Power Supply



AC/DC Converter
LM2596HV

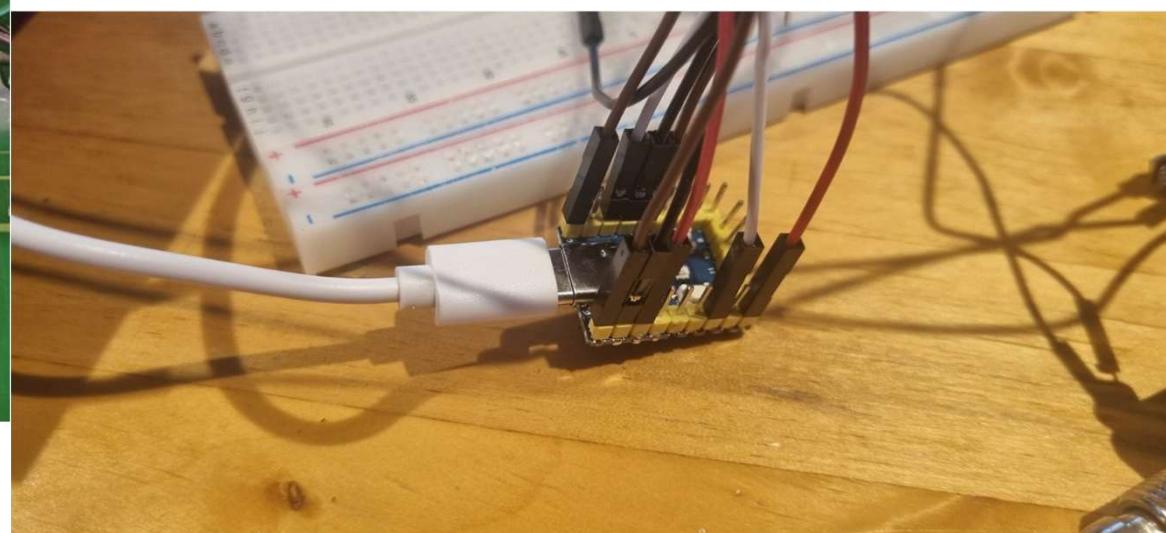
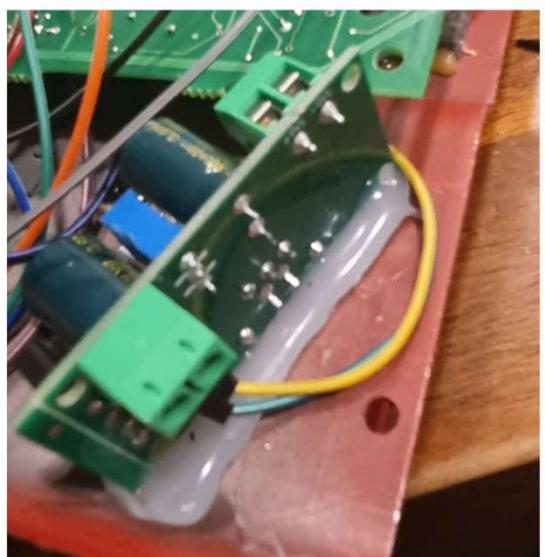
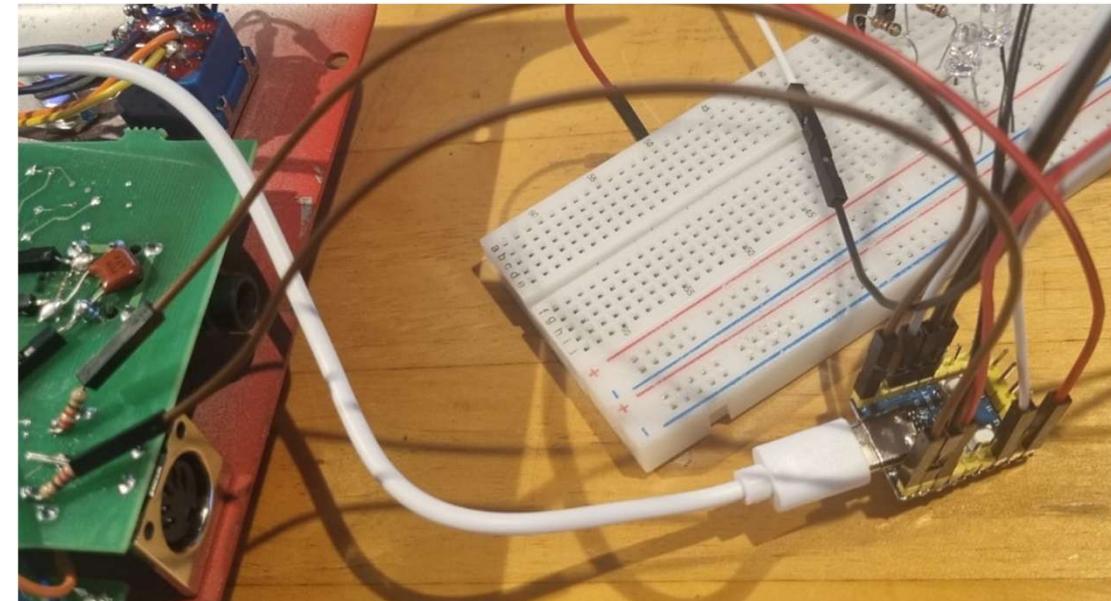
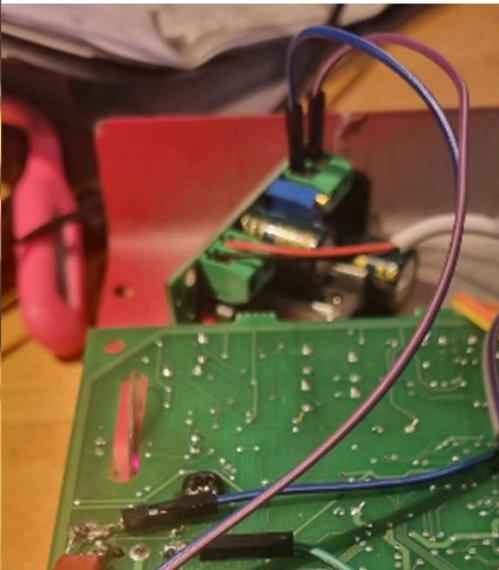
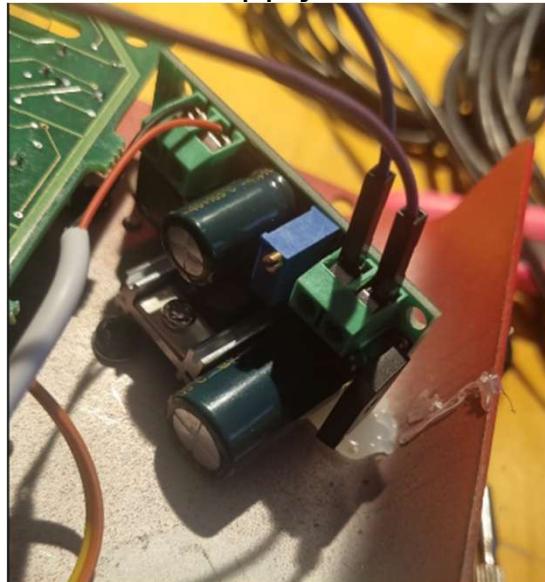


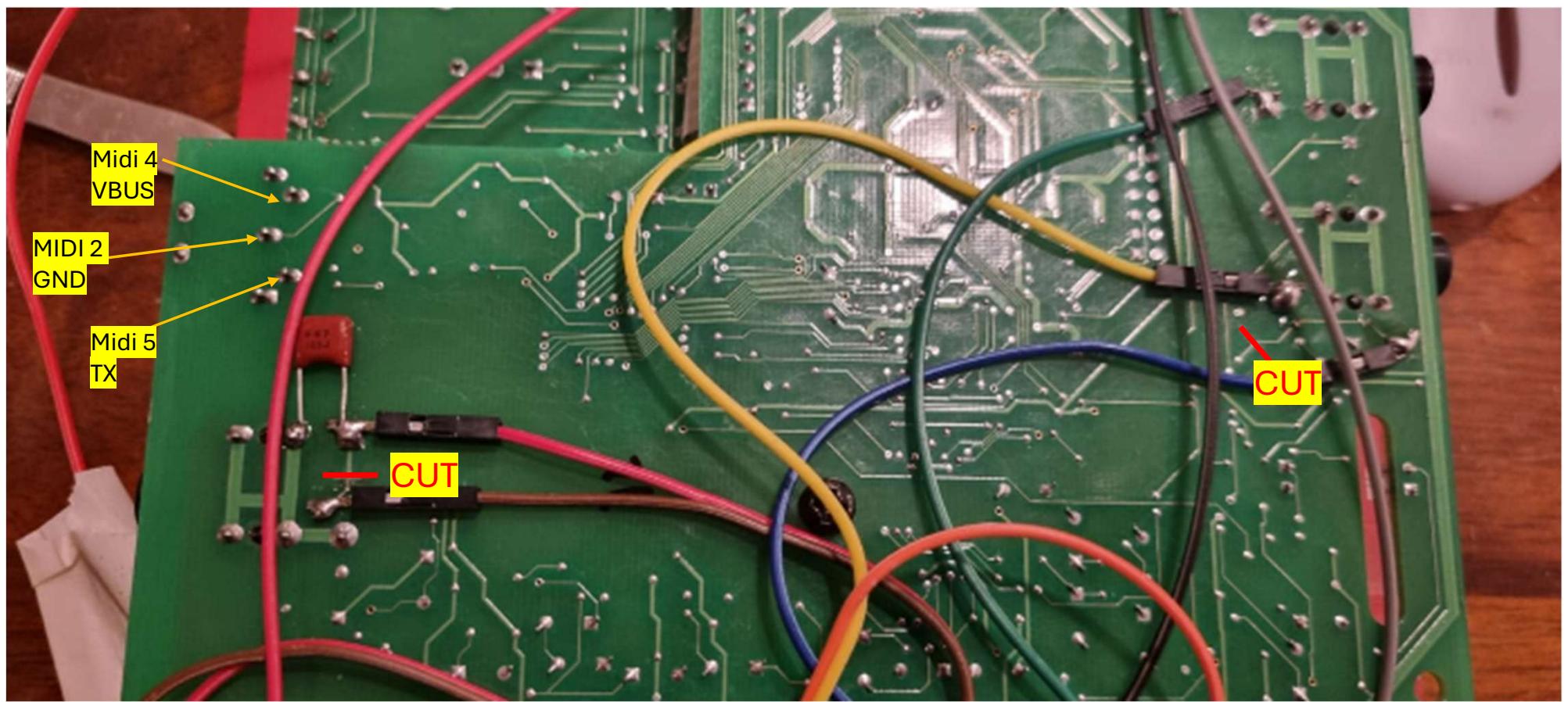
AC/DC Fullbridge

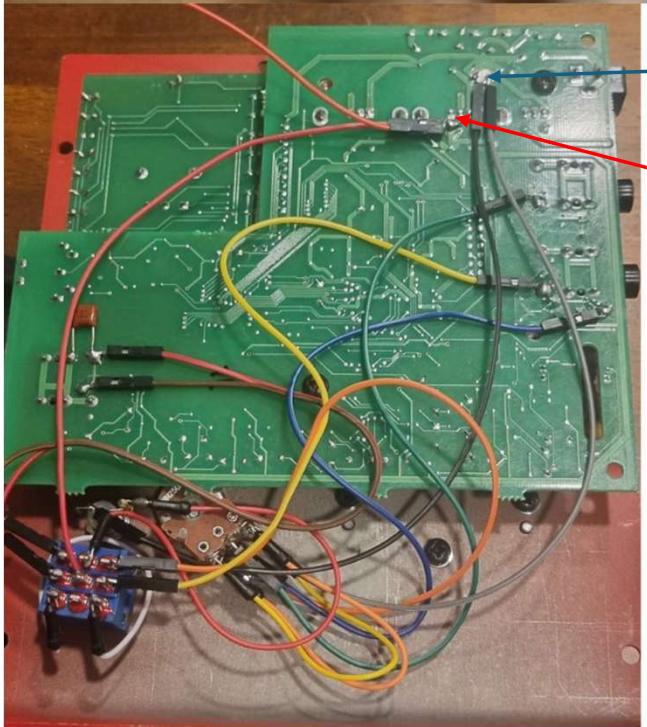
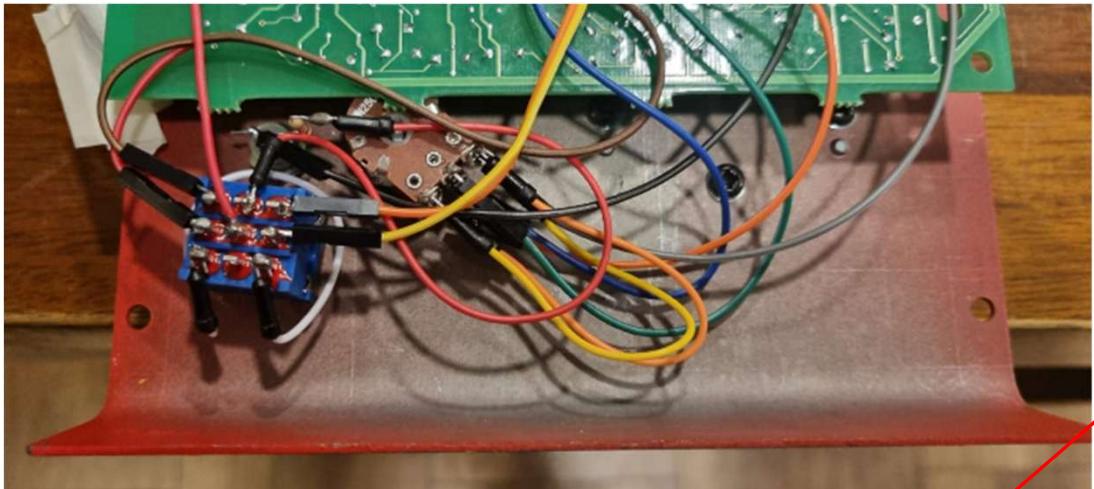


MP1584EN

Power Supply

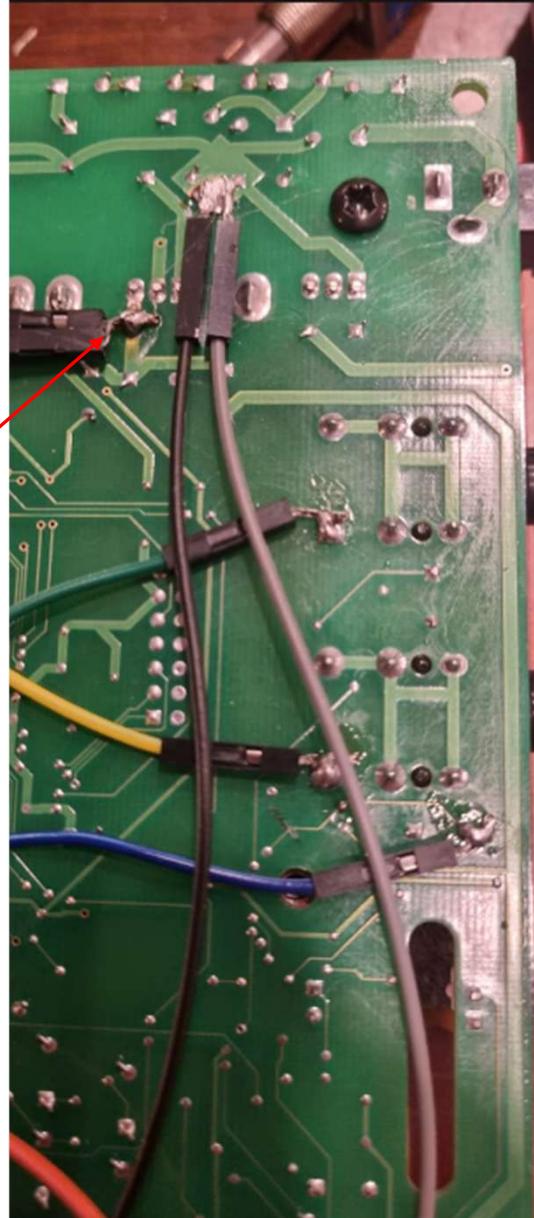


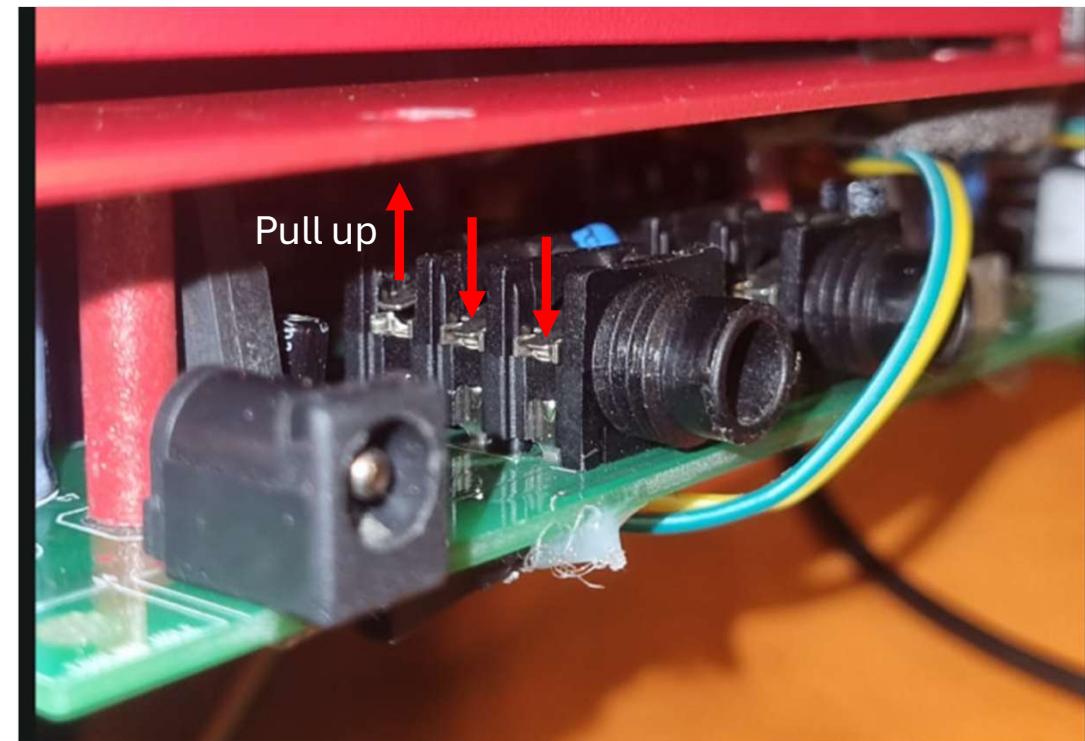
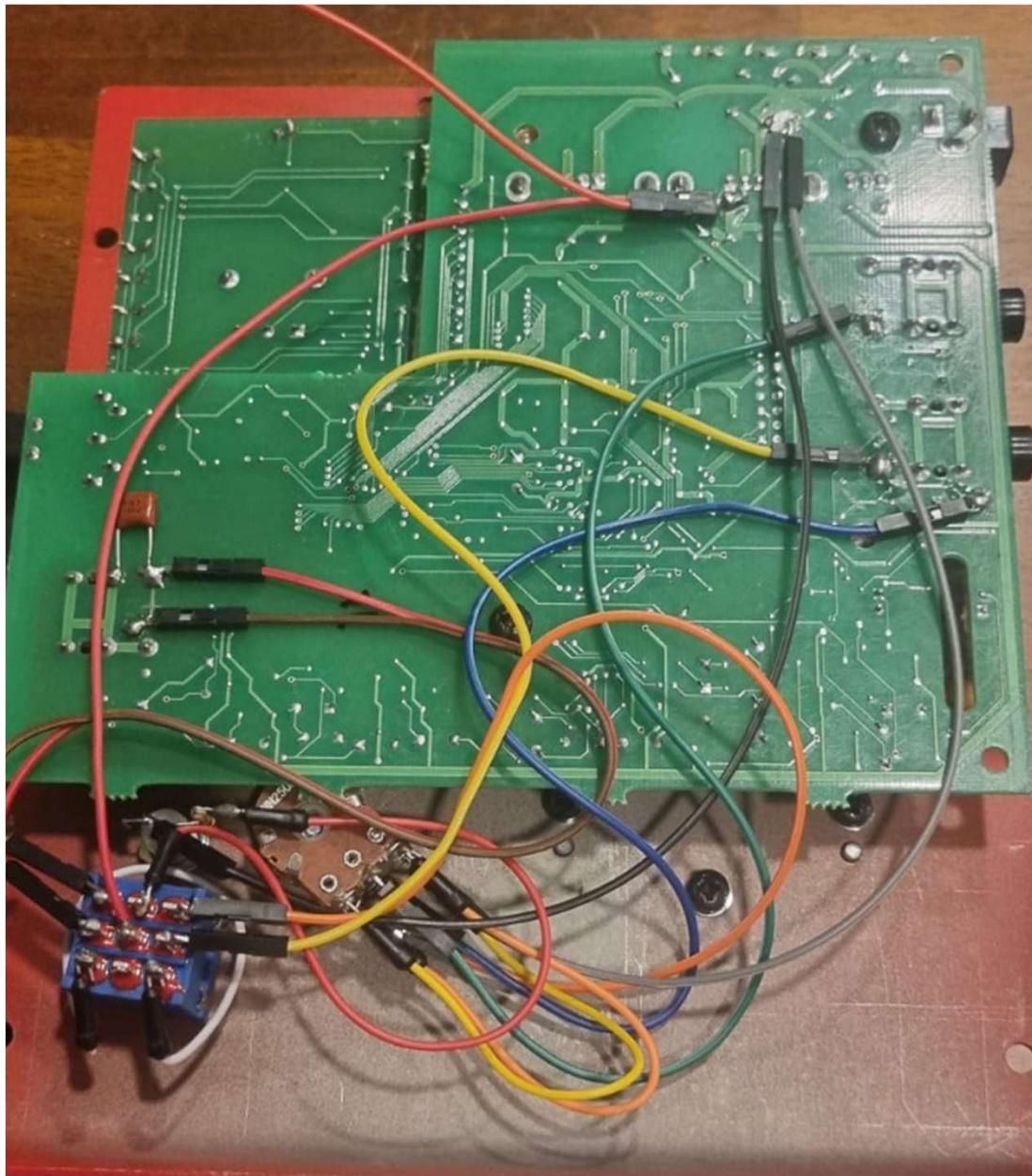




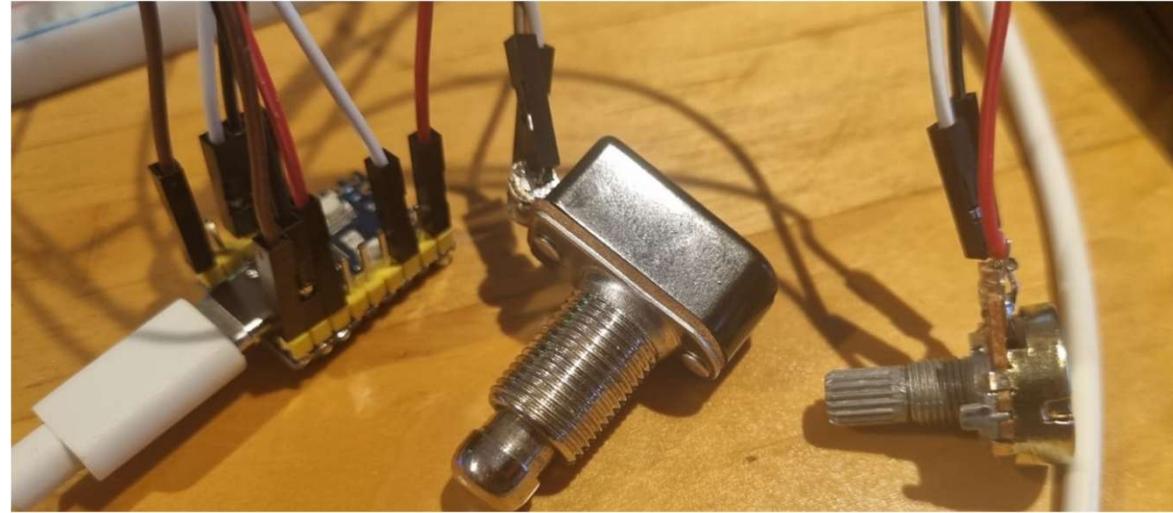
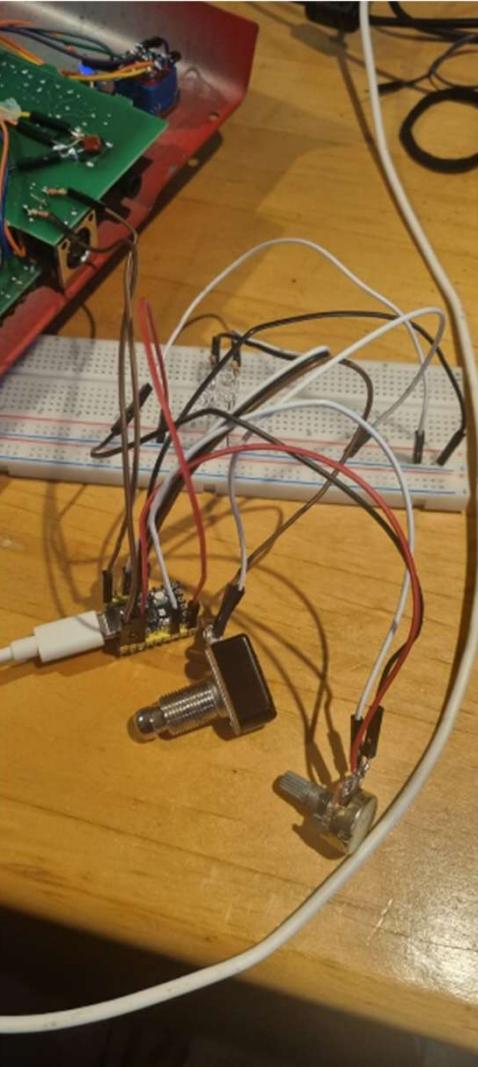
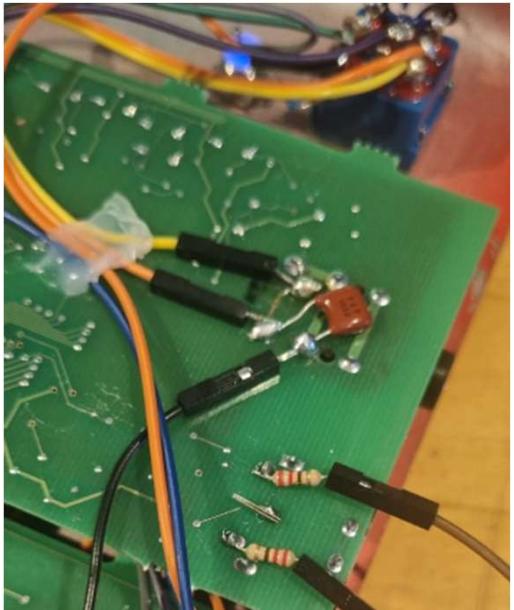
GND LED
HERE!!!

+5V LED
HERE!!!





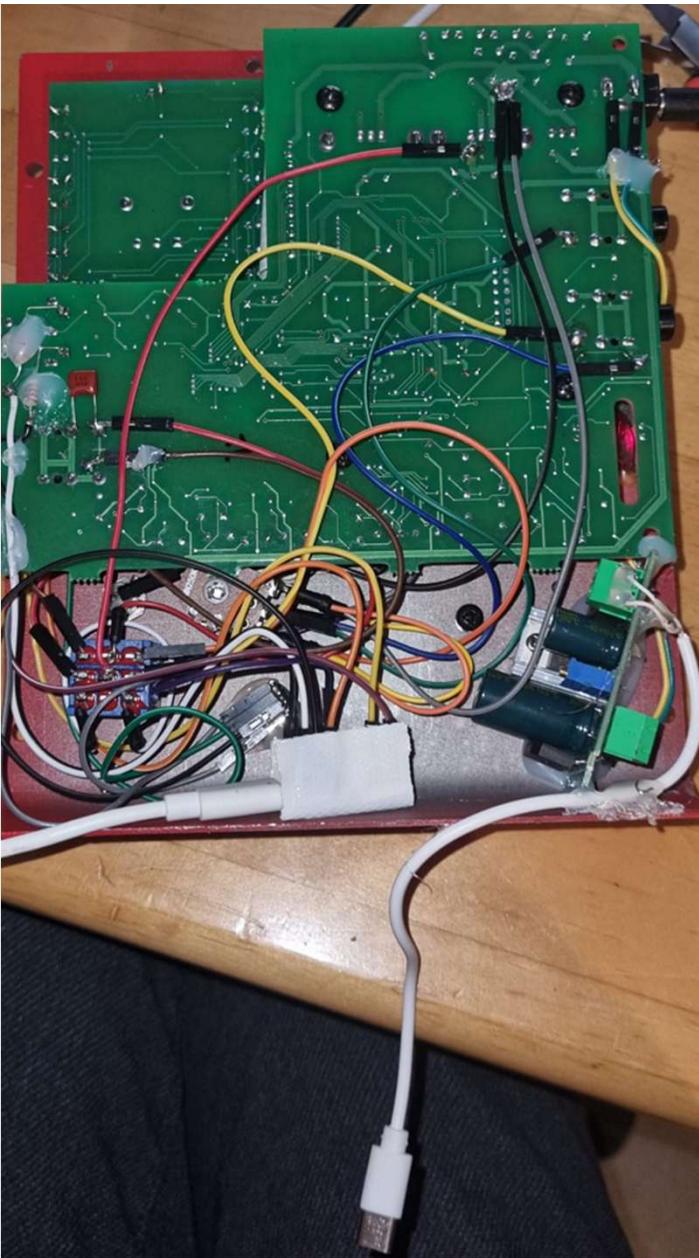
Midi Test



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

- 2 combinable effect presets

Final Front/Back



Flash Software

