

Whammy 4 – Version 1.04

By melatroid

True Bypass, Blend Mix,
Shutter Gate Effect,
Midi Access (Change Effects)



Calibration

Midi Access

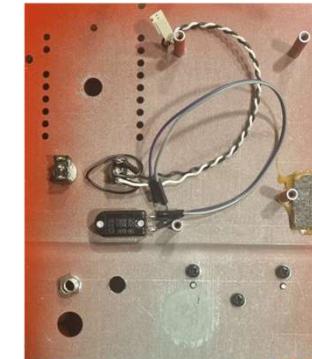
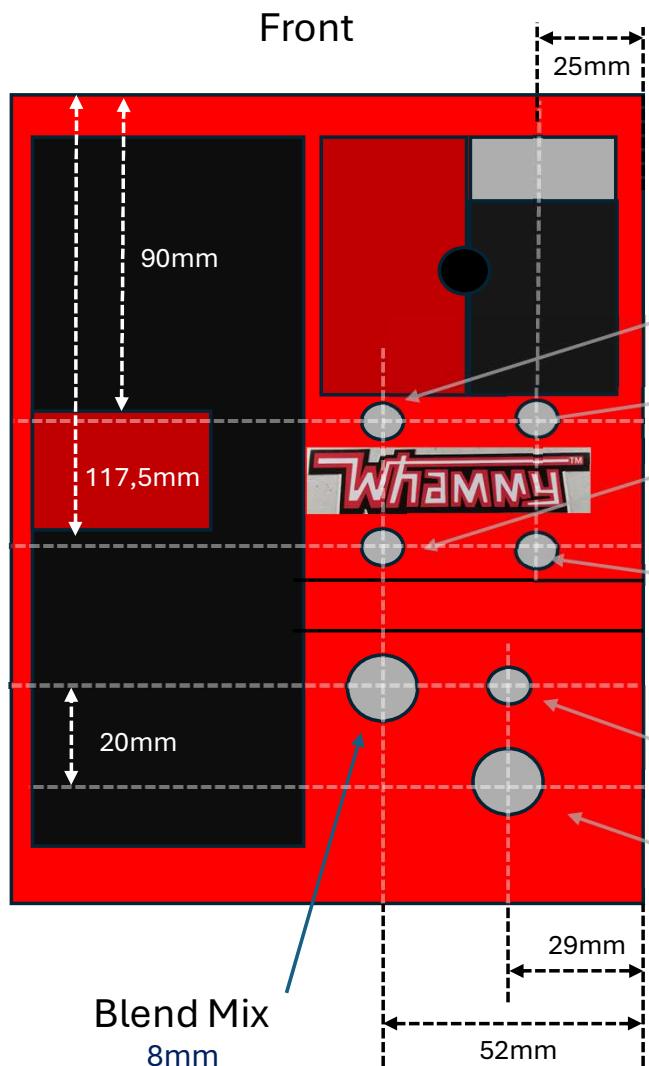
Shutter Speed

ShutterGate
/ Change Effects

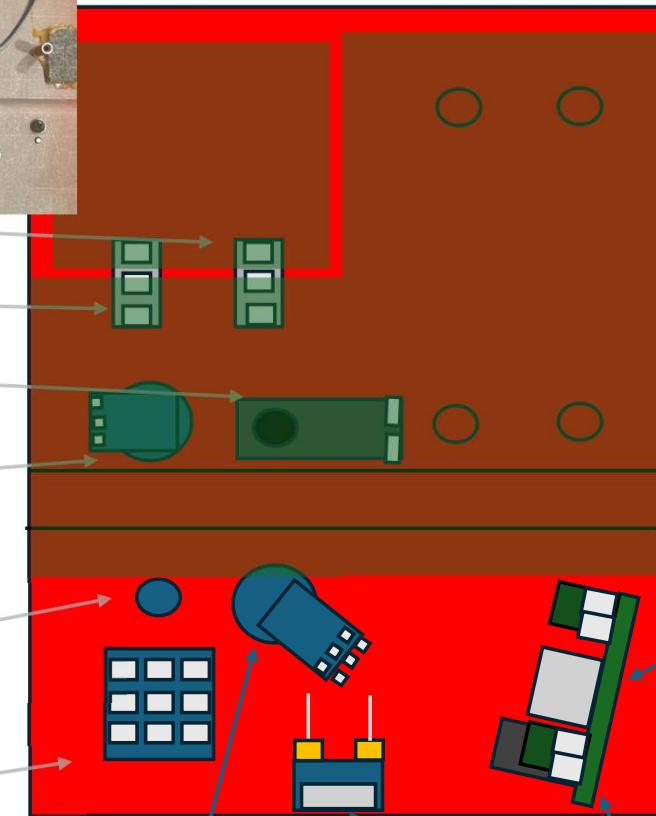
Blend Mix

LED On/OFF

Effect On/OFF



Back



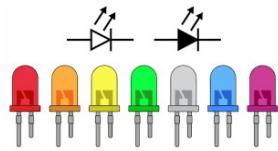
Glue it!

AC/DC
Power

RP 2040 Zero
**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

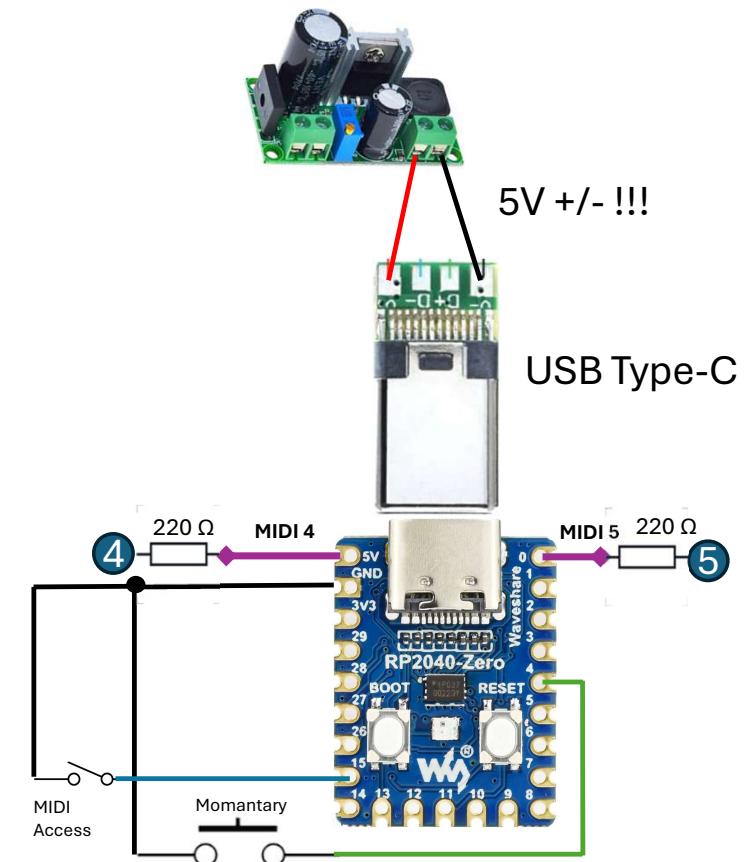


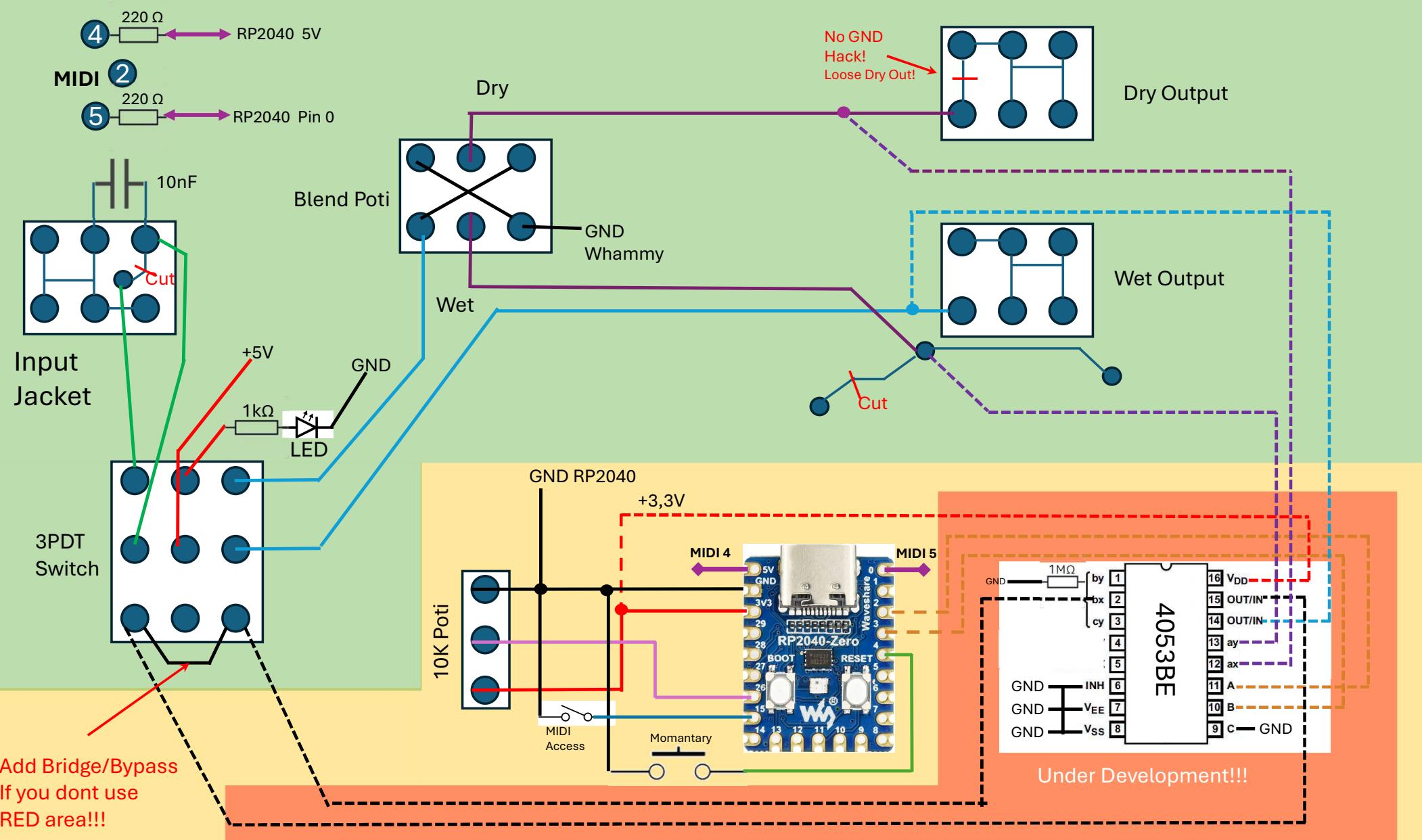
- Midi Access ON Change Effect 1/2 for Shuttergate

Hold – Change Effect 1/2
Double Tap – Jump Back

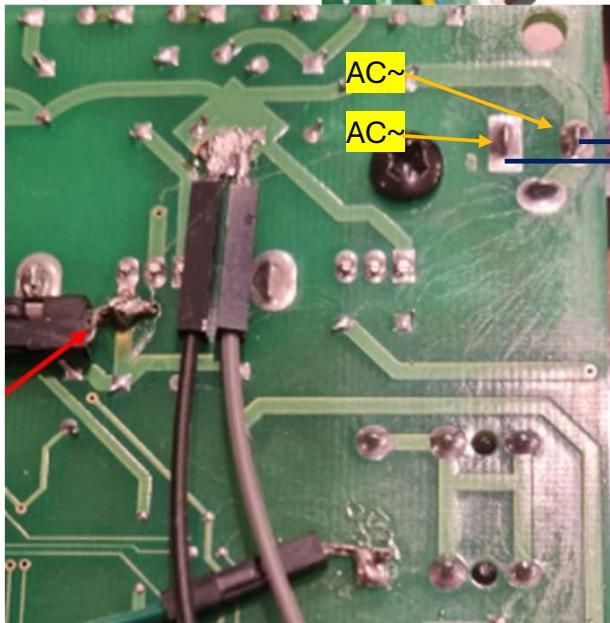
- Midi Access OFF - Momentary/Shutter Effect 1/2
 - Double Tap – Change Effect

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

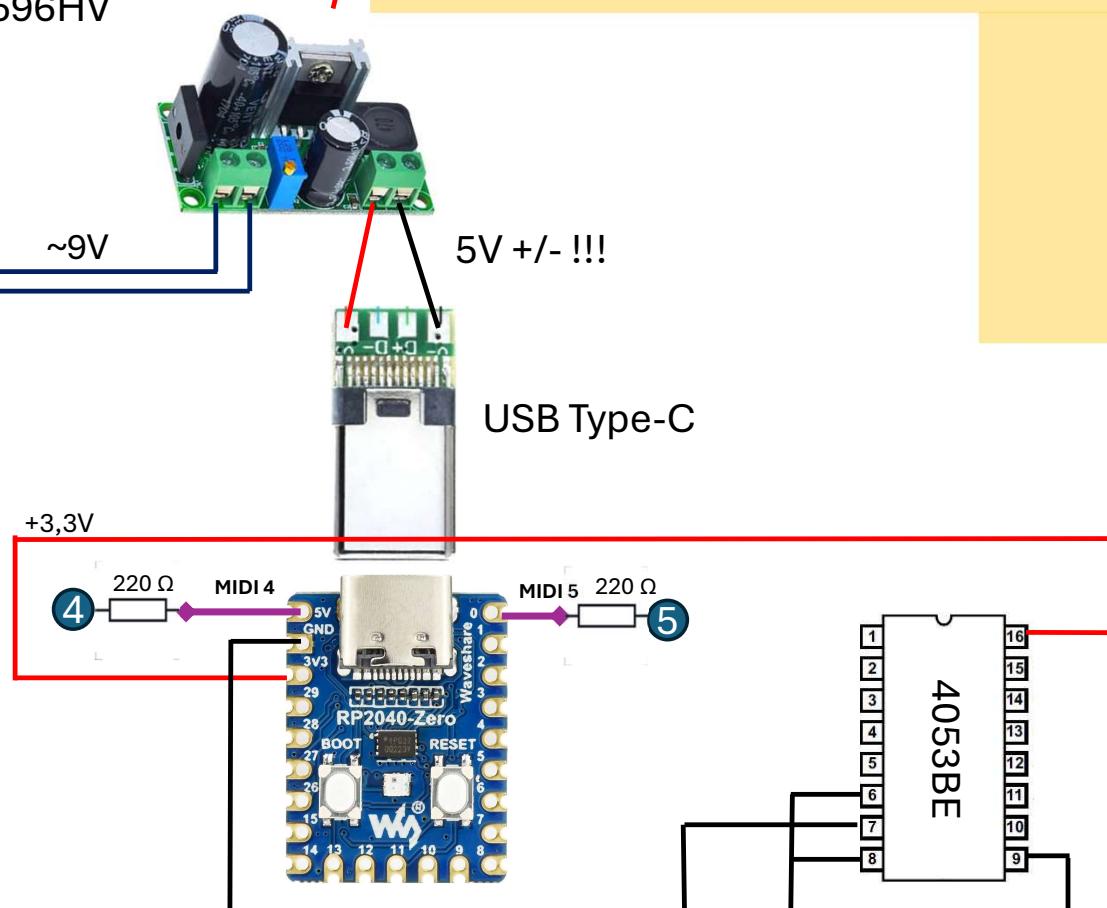




Power Supply



AC/DC Converter
LM2596HV

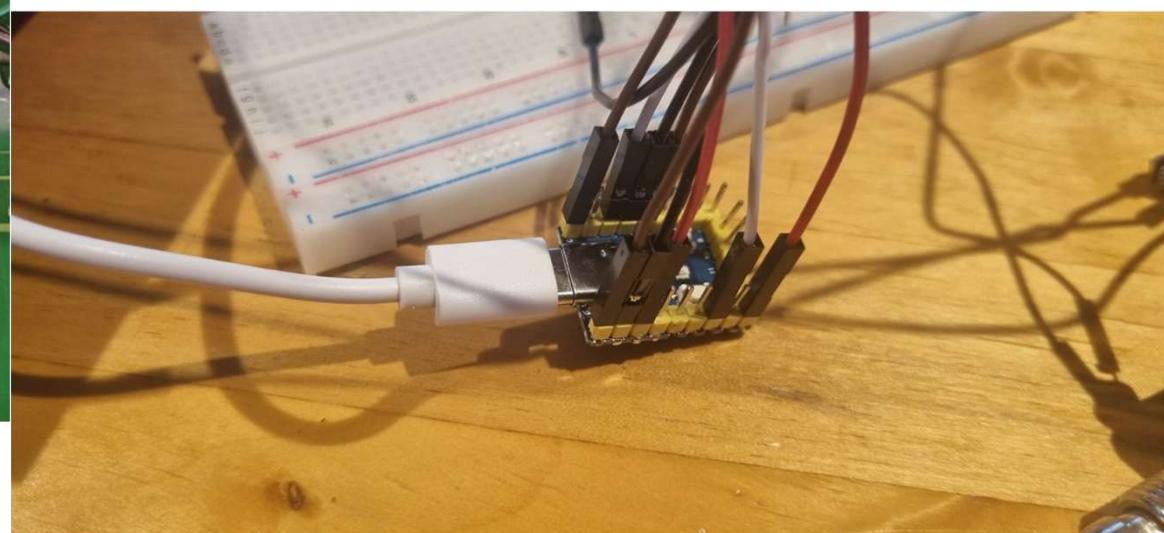
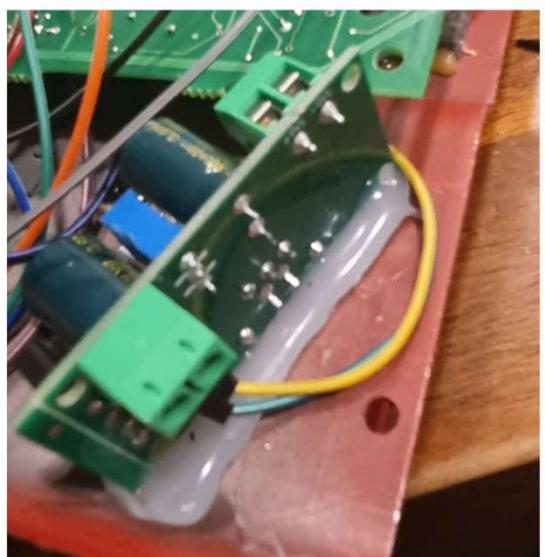
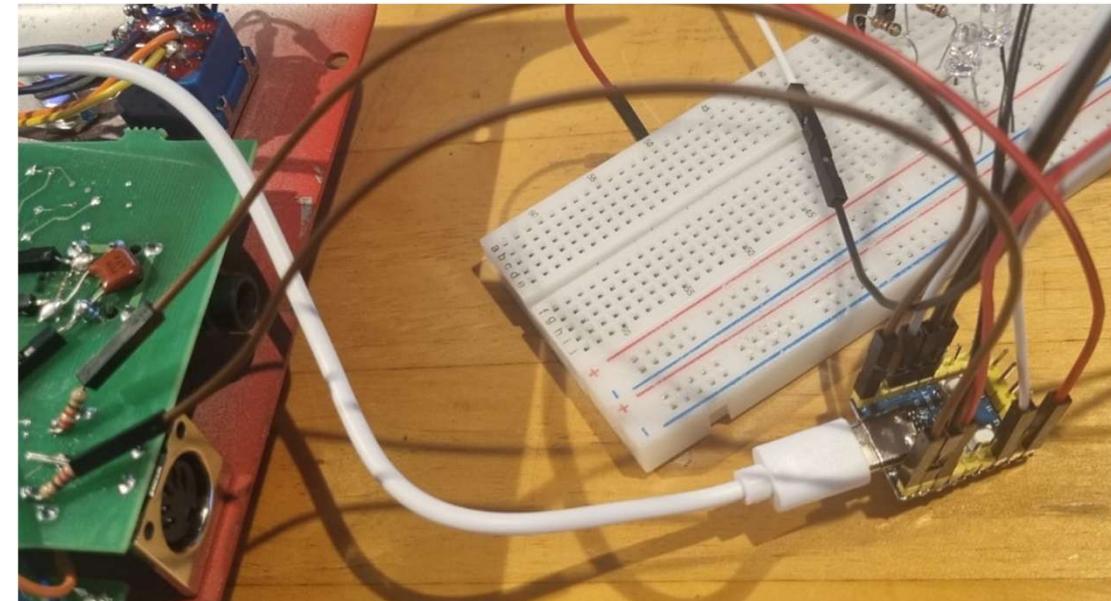
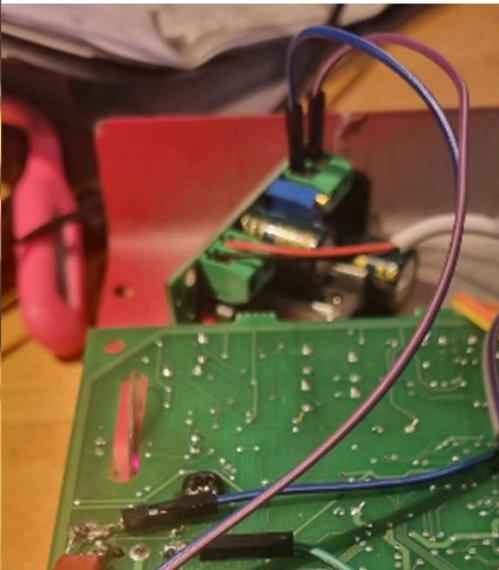
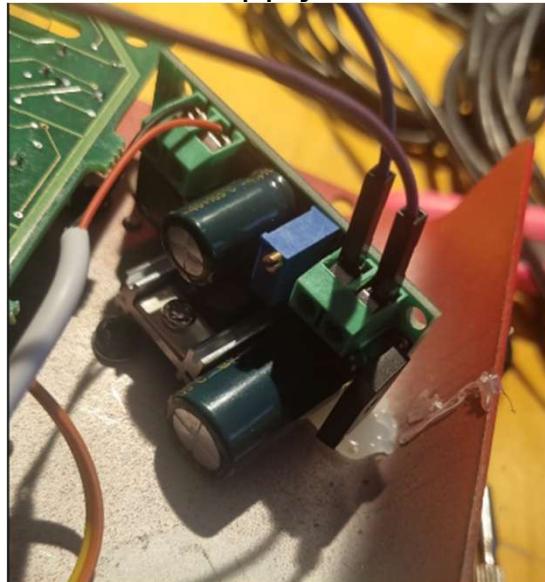


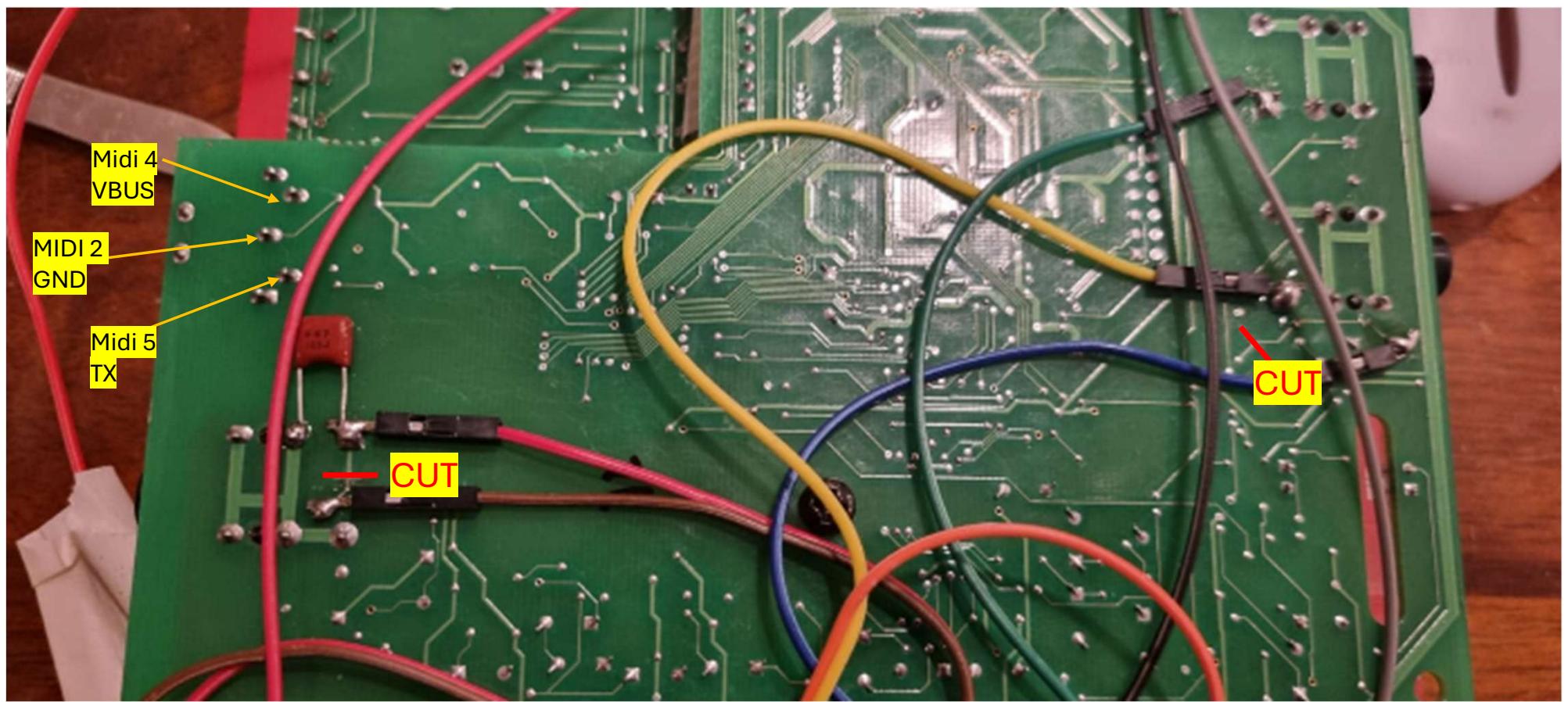
AC/DC Fullbridge

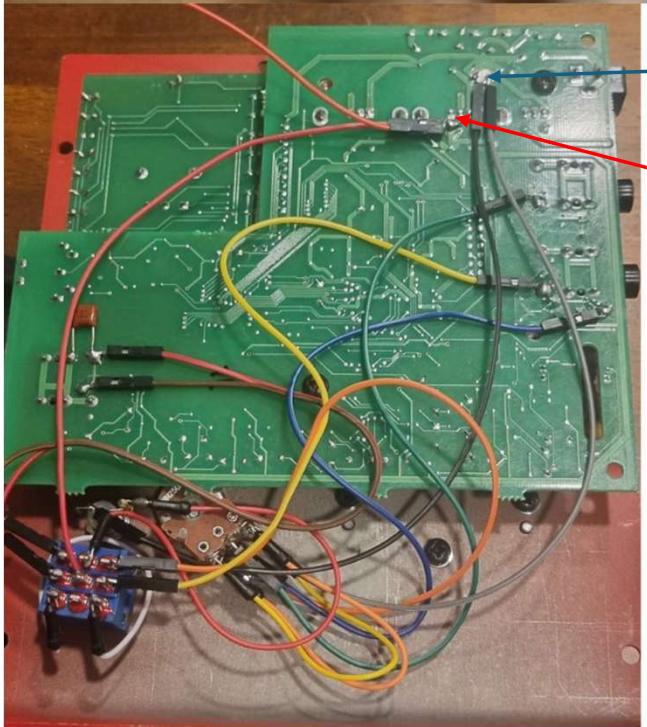
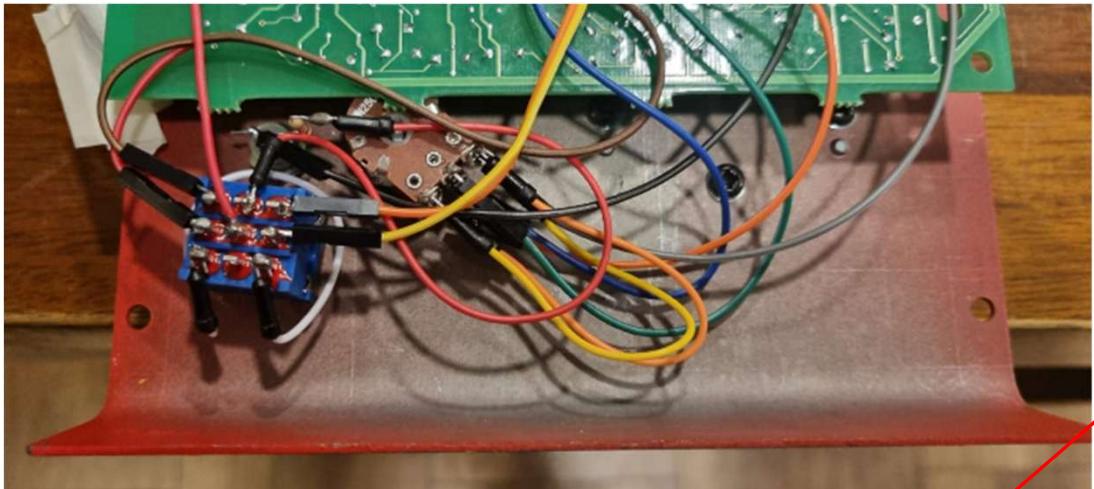


MP1584EN

Power Supply

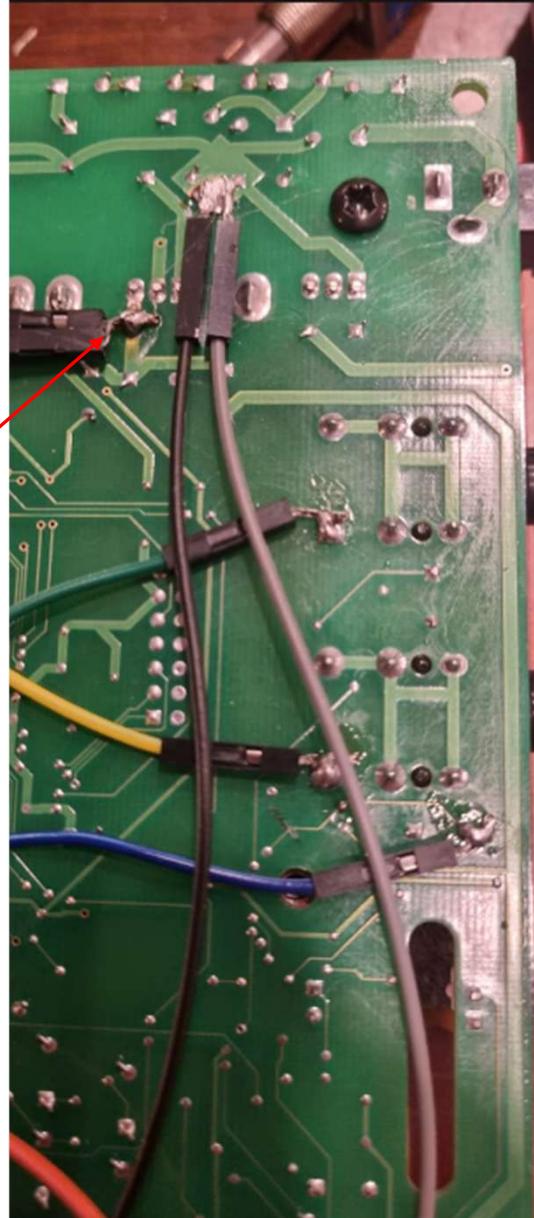


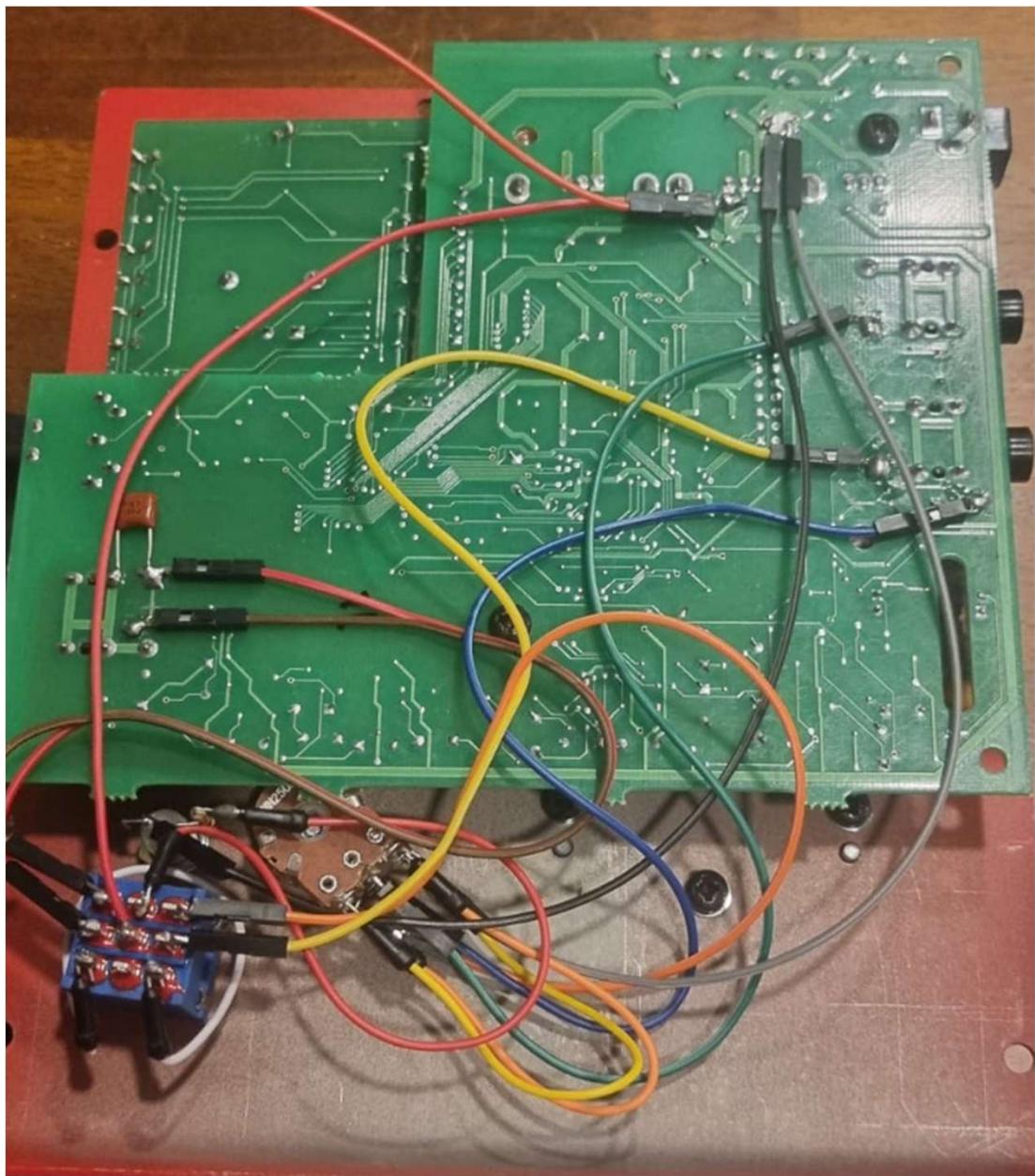




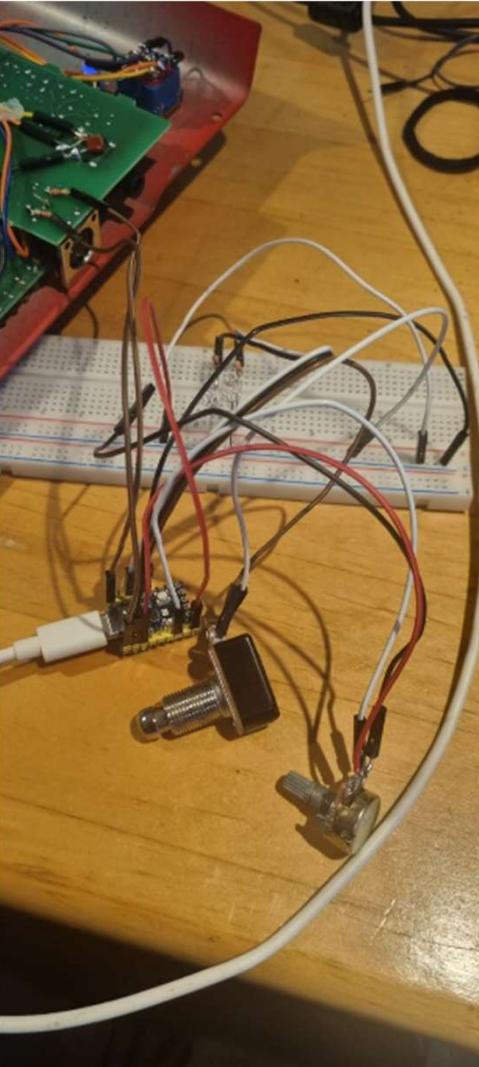
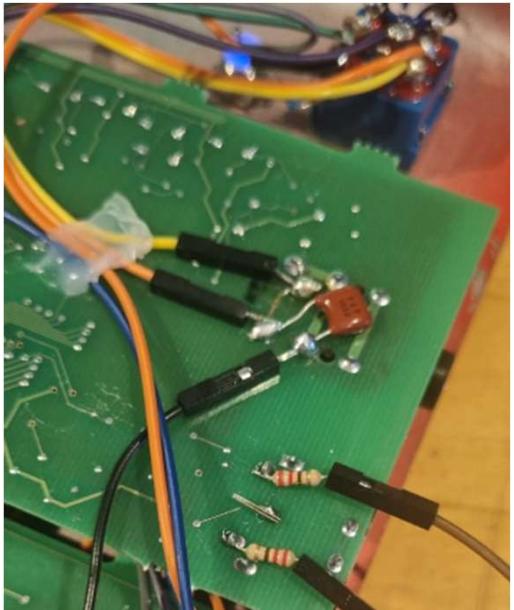
GND LED
HERE!!!

+5V LED
HERE!!!





Midi Test



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

- 2 combinable effect presets