

Whammy 4 – Version 1.02

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



Calibartion

Midi Access

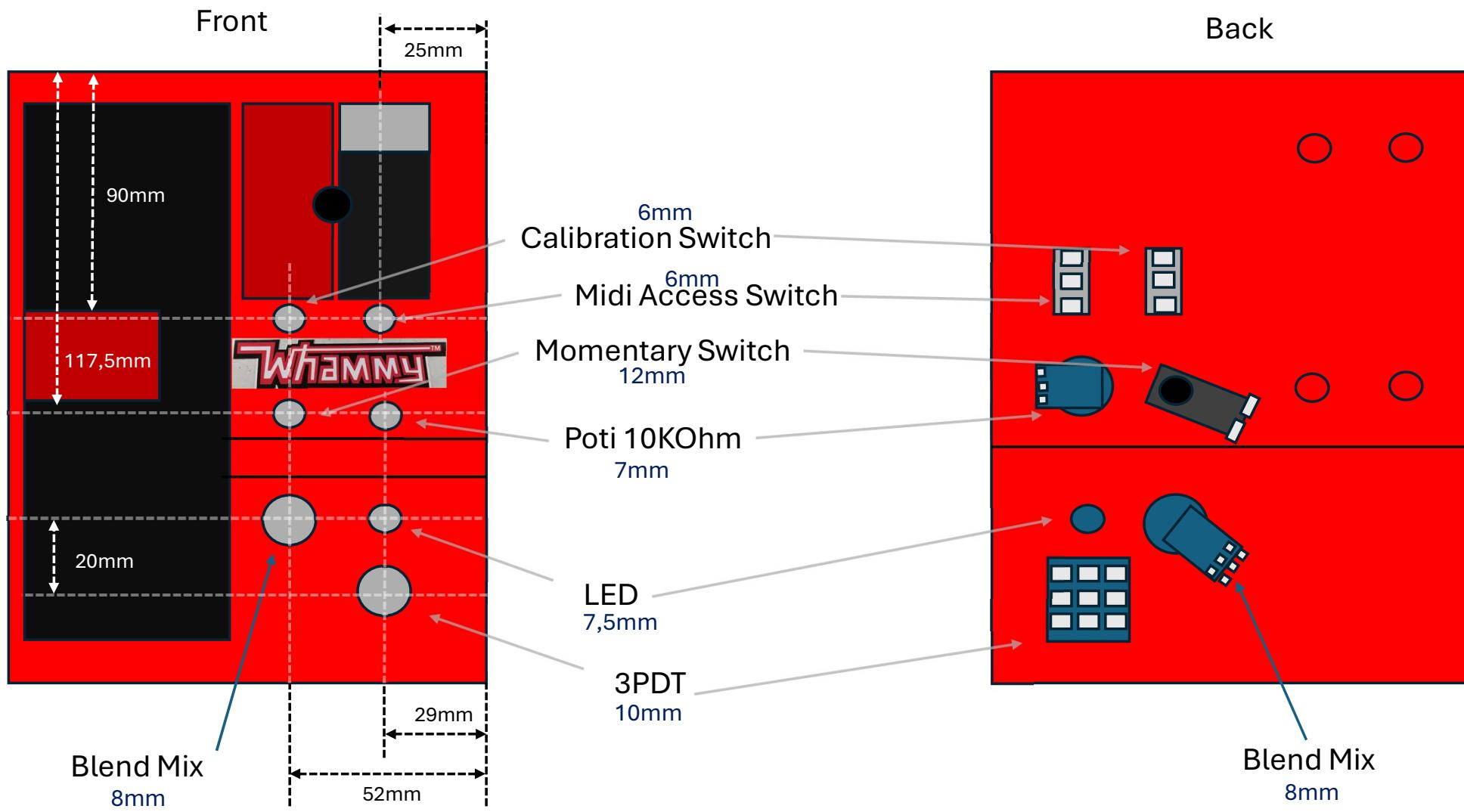
Shutter Speed

ShutterGate
/ Change Effects

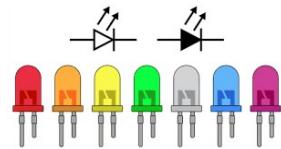
Blend Mix

LED On/OFF

Effect On/OFF



Parts



1k Ω 3x

1M Ω

220 Ω 2x



10nF
(optional)



Toggle Switch 2x
Midi Access /
Calibration



Momentary
(Original Part)



250k Ω
Blend



3PDT

AC/DC
LM2596HV



4053BE



10K Ω



Raspberry Pi
2040 Zero



Midi Access



- Midi Access ON

Change Effect 1/2 for Shuttergate

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

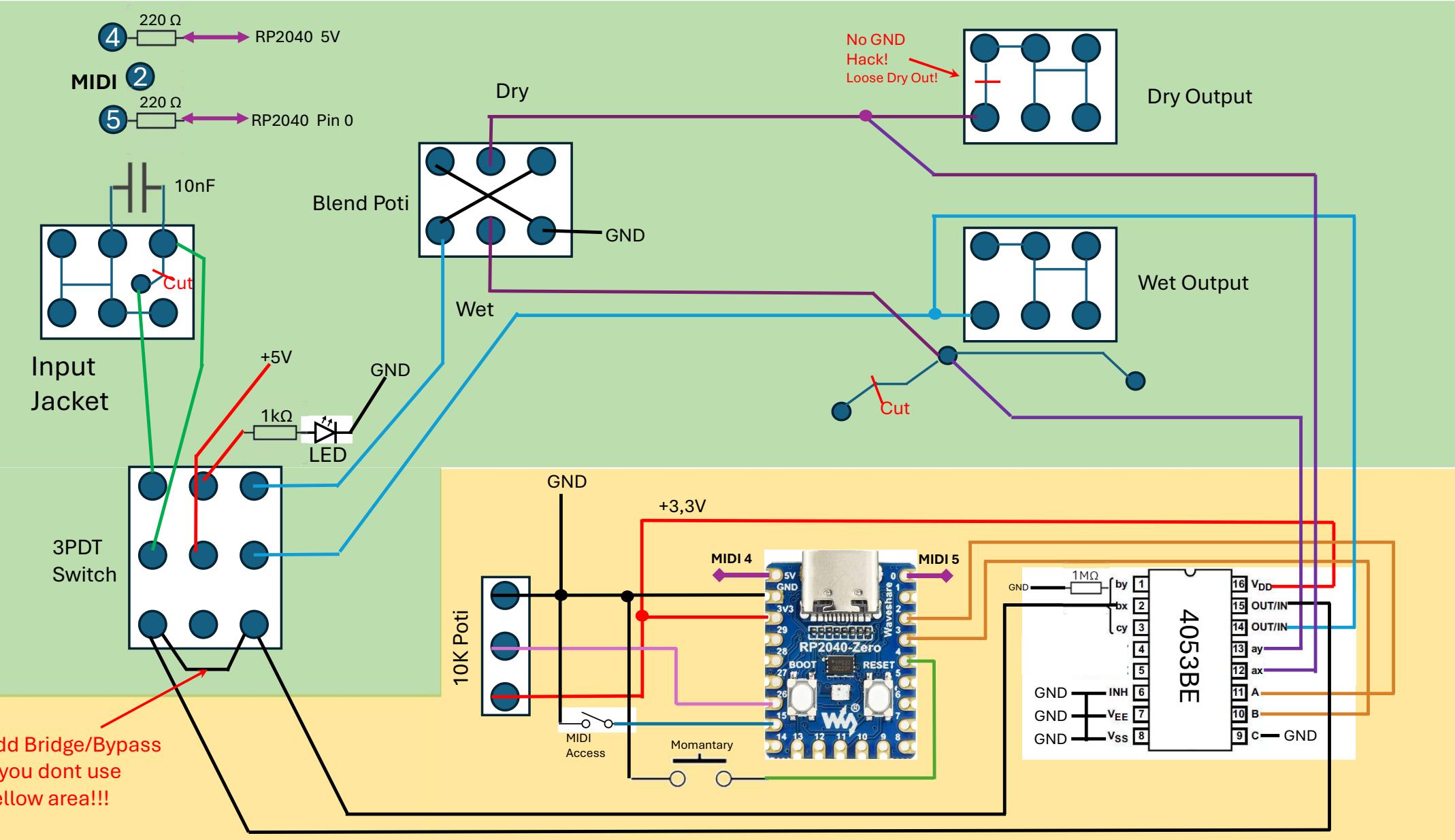
- Midi Access OFF

- Momentary/Shutter Effect 1/2
- Double Tap – Change Effect

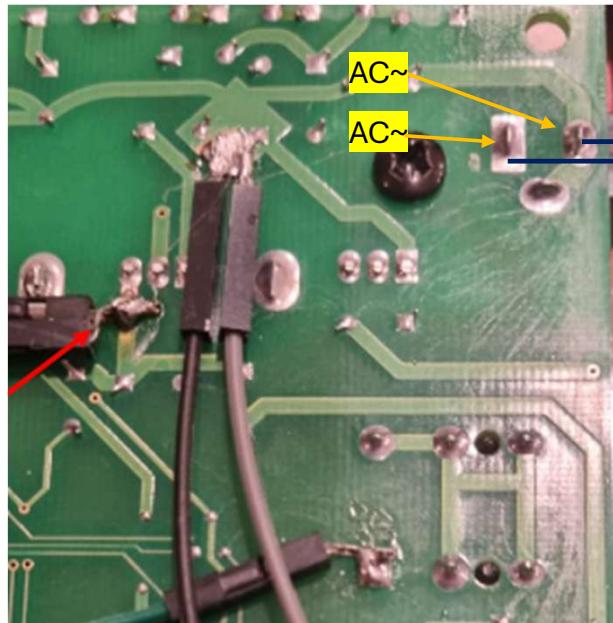
- Save after 2 sec
- Blinks 3 Times for each Effect section



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



Power Supply



AC/DC Converter LM2596HV

~91

5V +/- !!!

USB Type-C

+3,3V

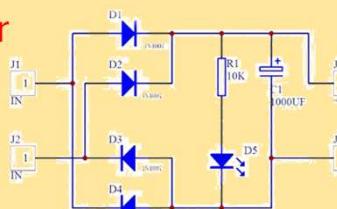
220 9

The image shows the RP2040-Zero development board from WaveShare. The board is blue with a central black RP2040 chip. It features two white circular pads at the bottom labeled 'WAVESHARE'. A red line points to the 'RESET' pin (pin 5) on the left side. The board has several pins labeled with numbers 0 through 29 along its edges. A red line also highlights the 'GND' pin (pin 29) on the left side.

4053BE

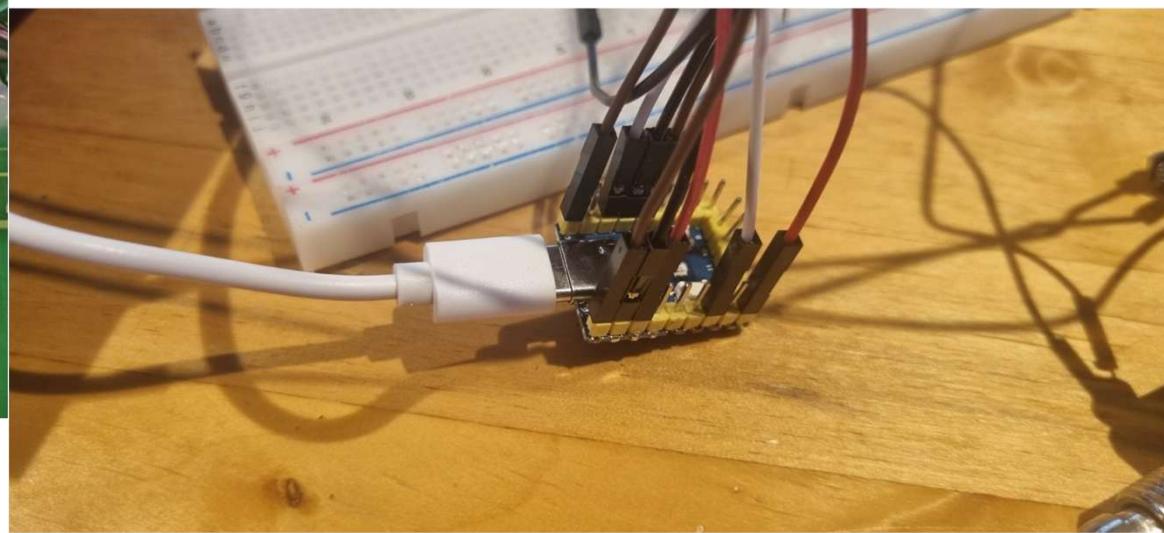
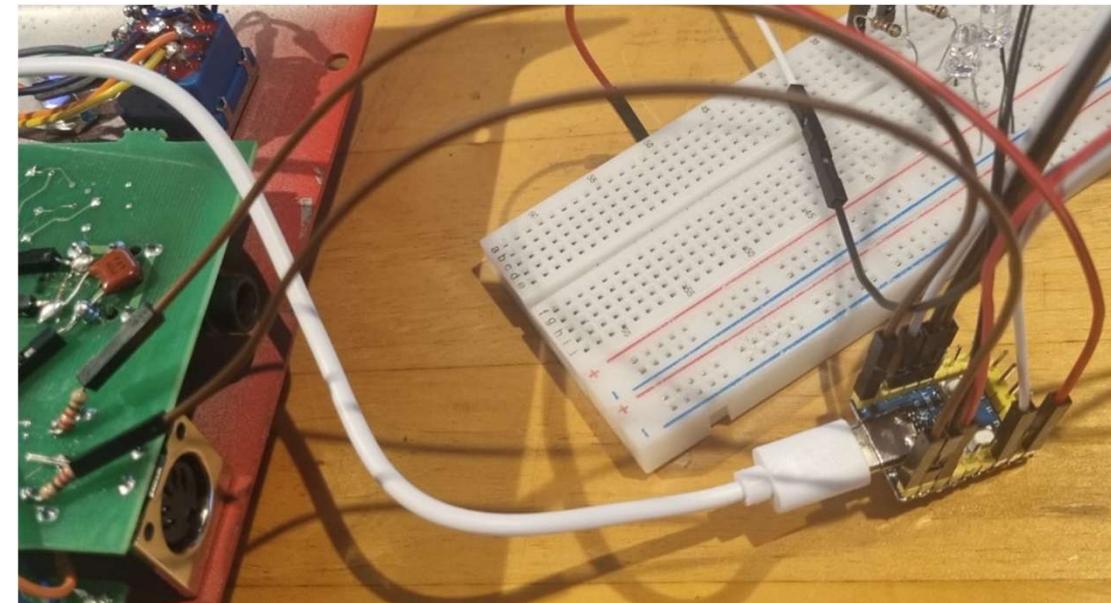
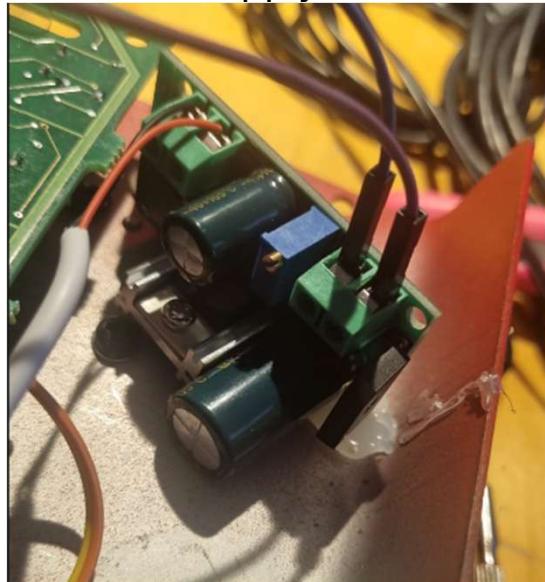
AC/DC Converter ALTERNATIVE!!!

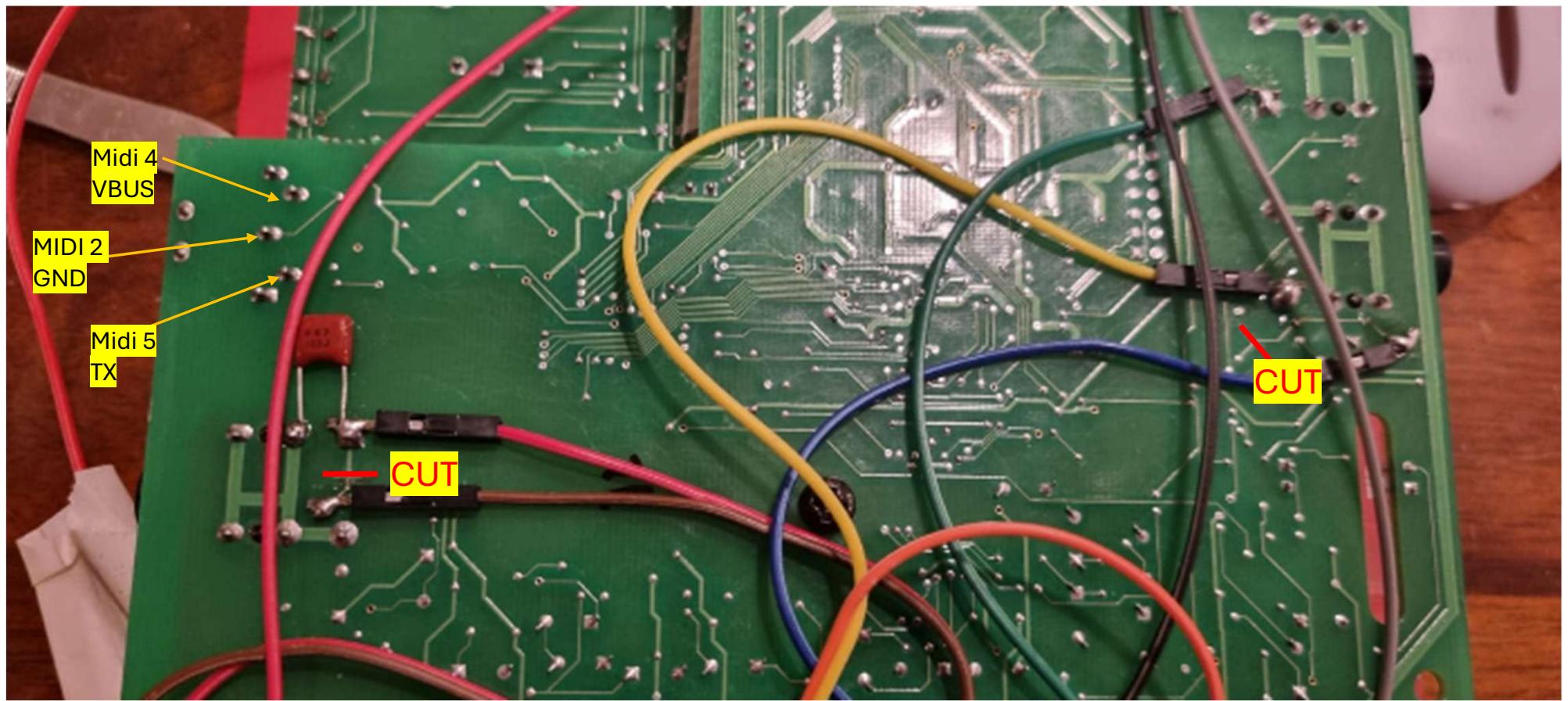
AC/DC Fullbridge

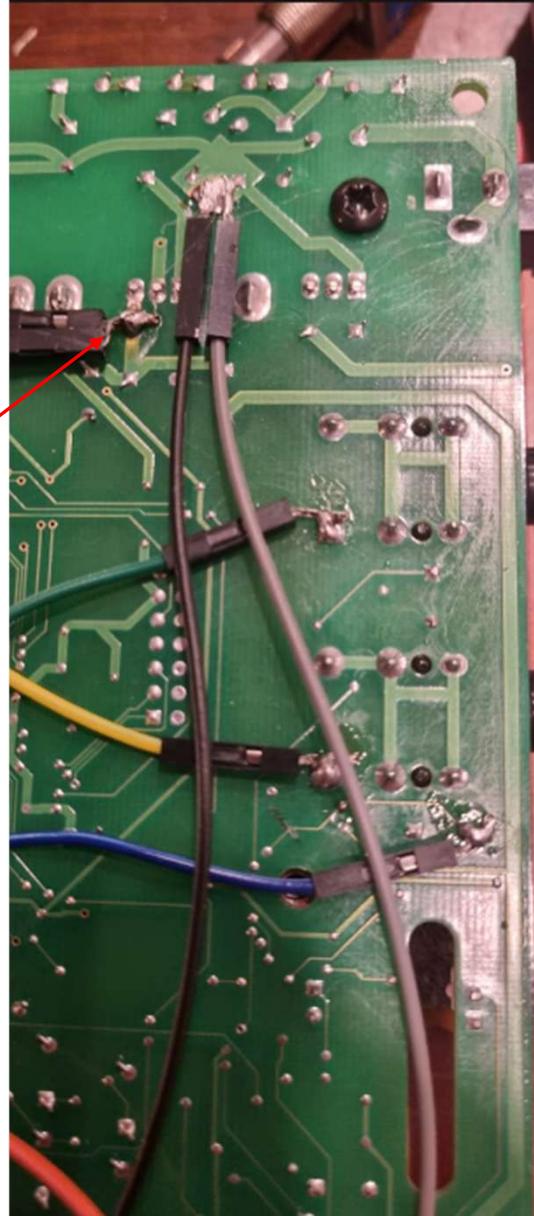
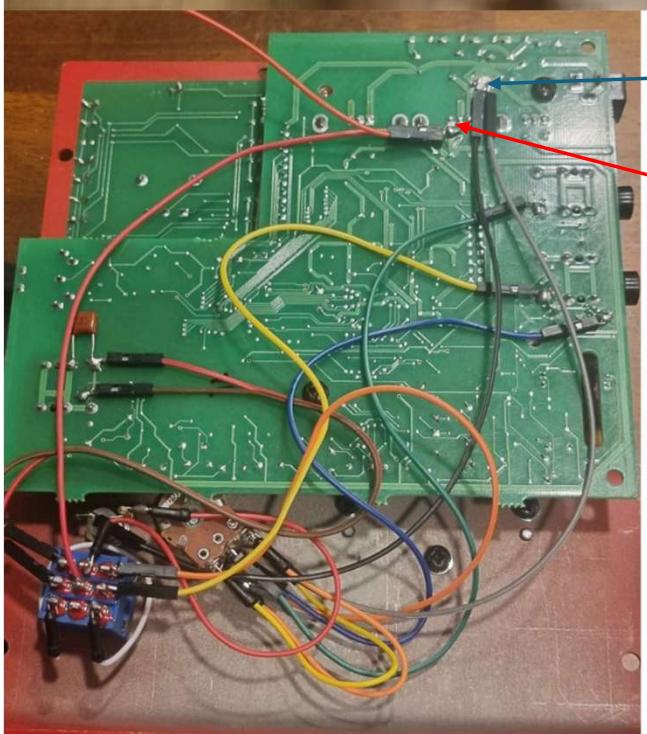
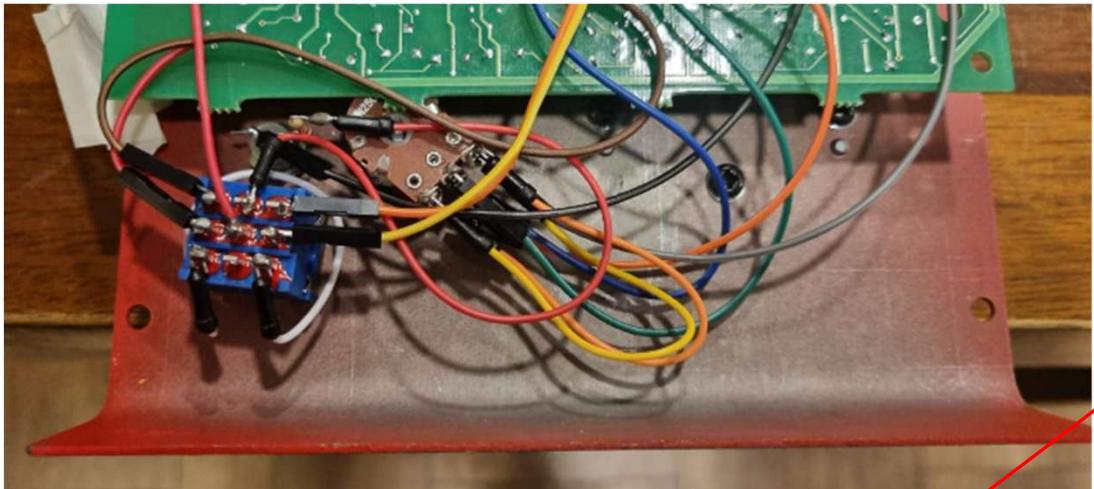


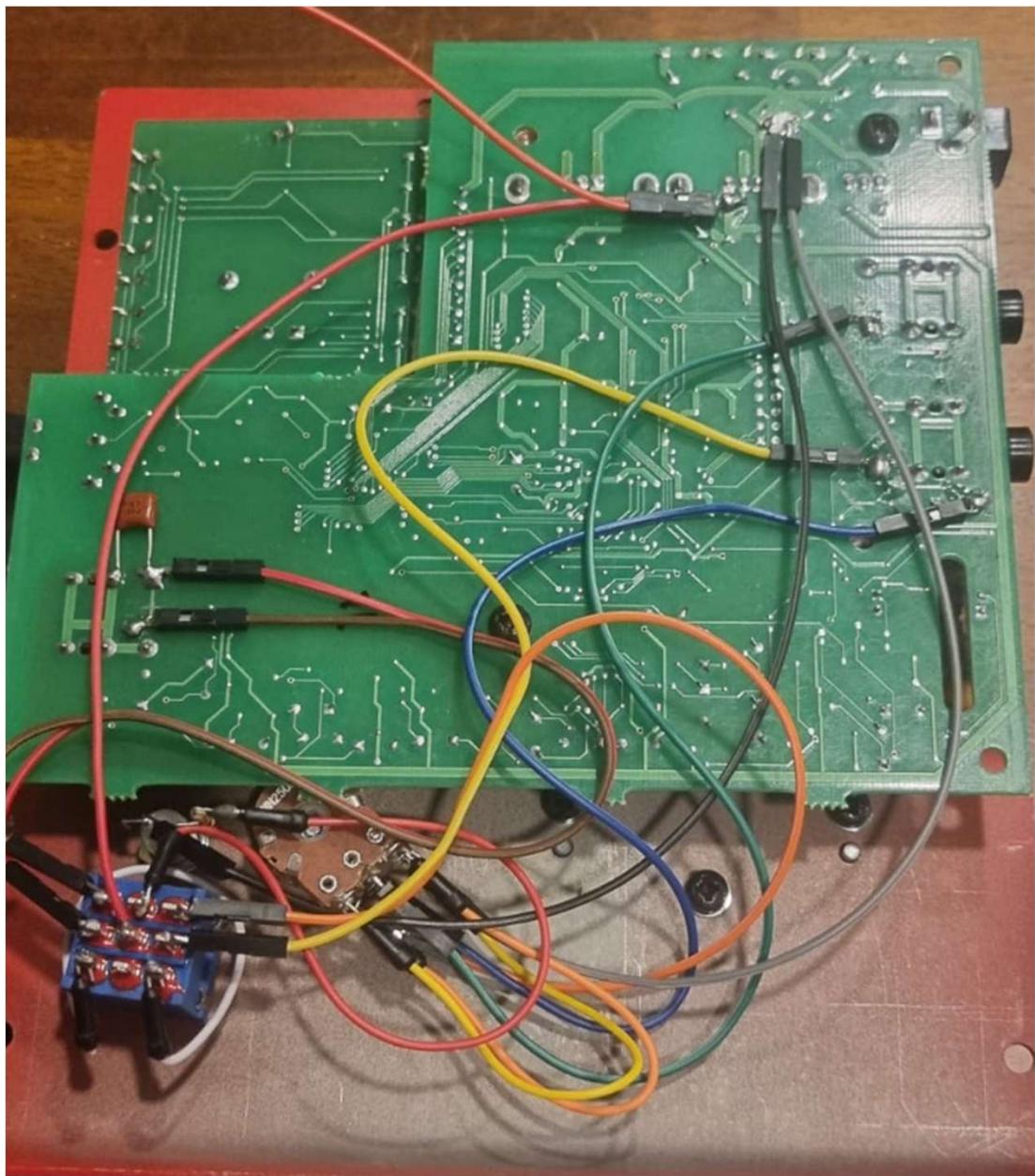
MP1584EN

Power Supply

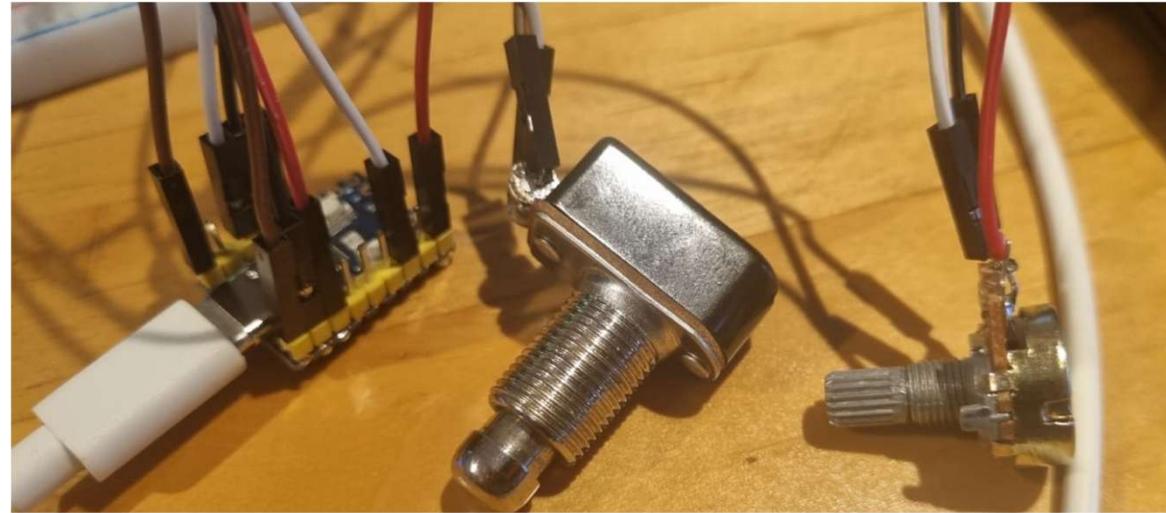
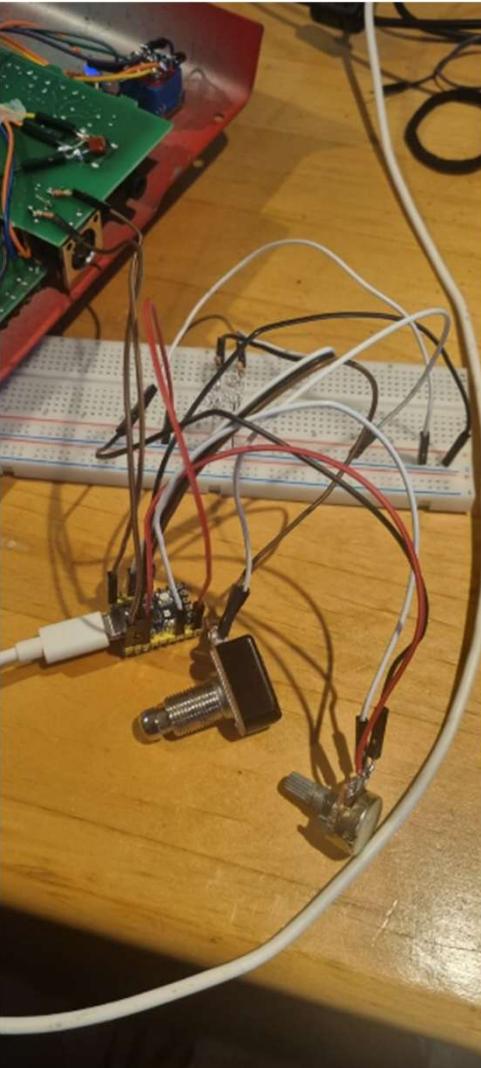
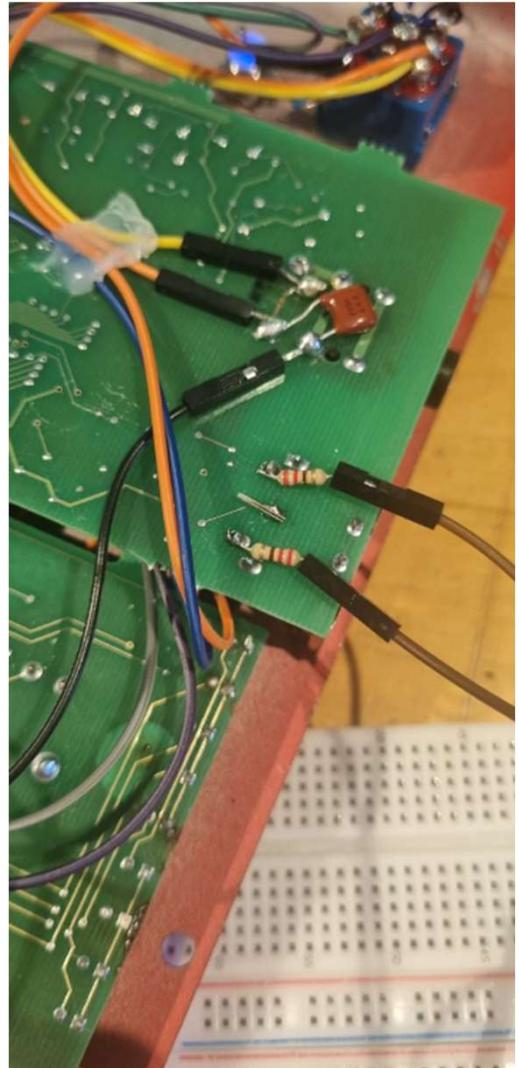








Midi Test



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

- 2 combinable effect presets