

Whammy 4 – Version 1.02

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



Calibartion

Midi Access

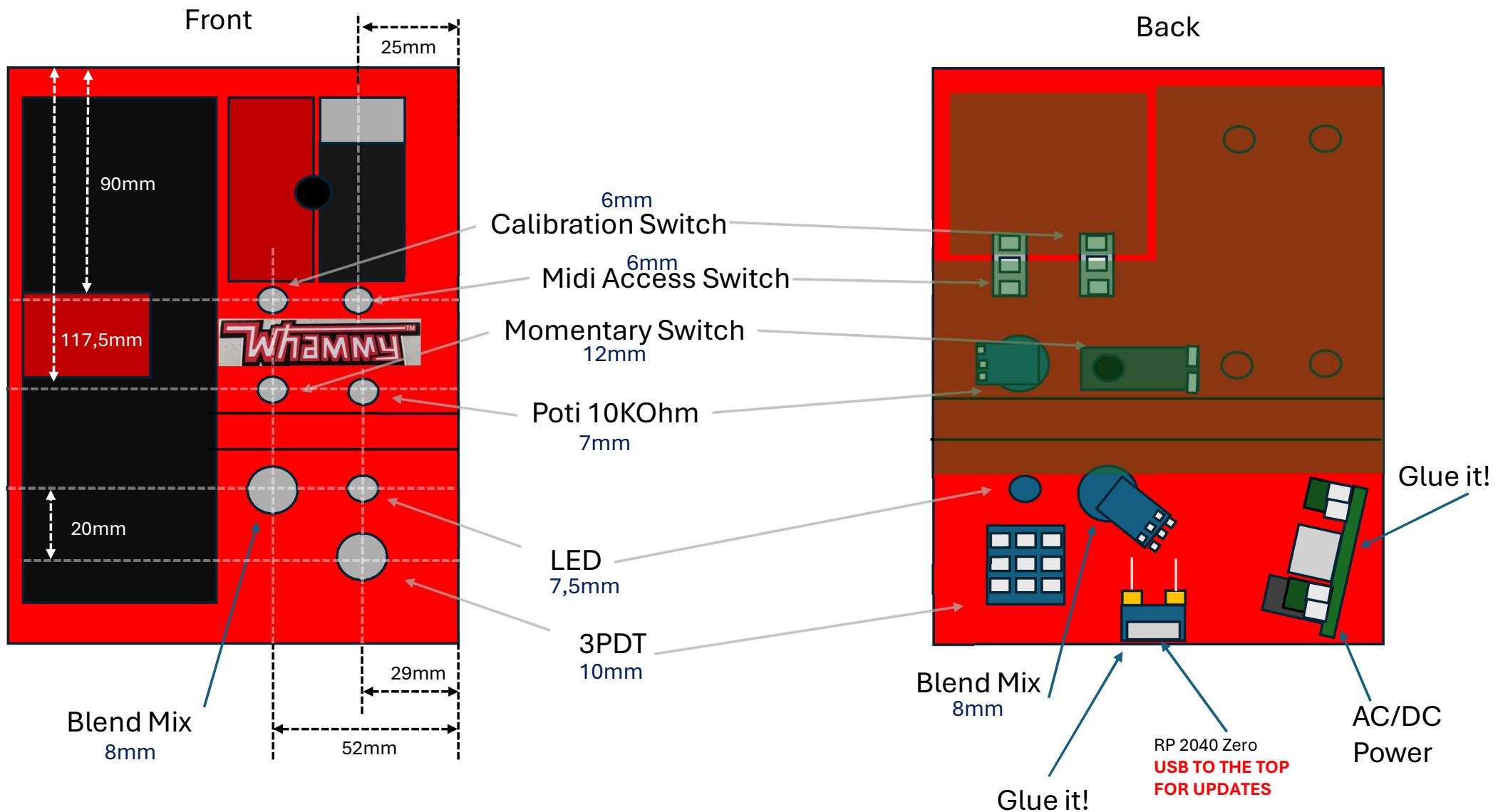
Shutter Speed

ShutterGate
/ Change Effects

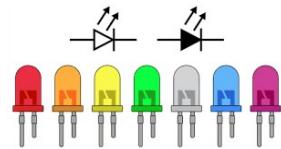
Blend Mix

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

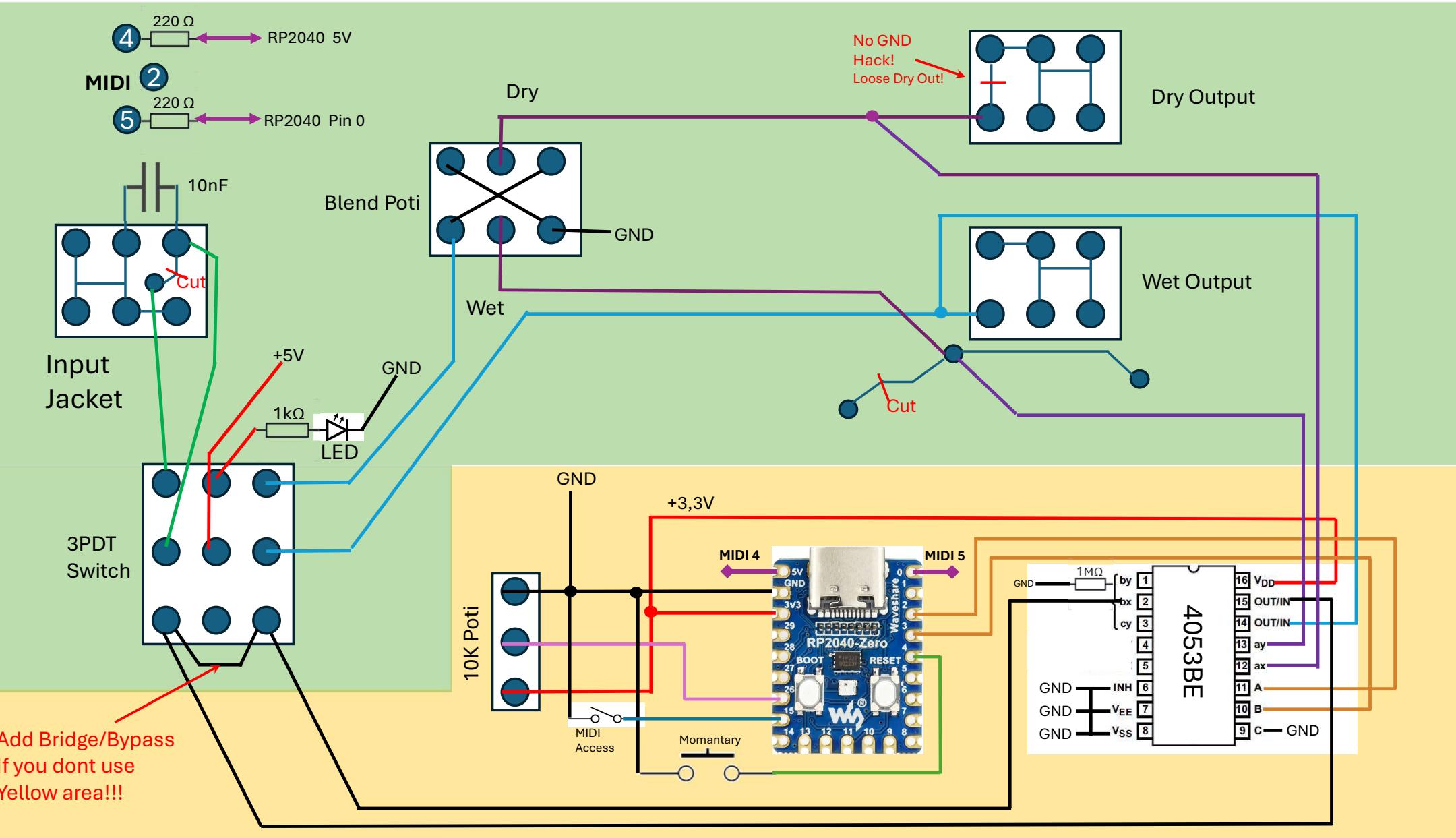
Hold – Change Effect 1/2
Double Tap – Jump Back

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

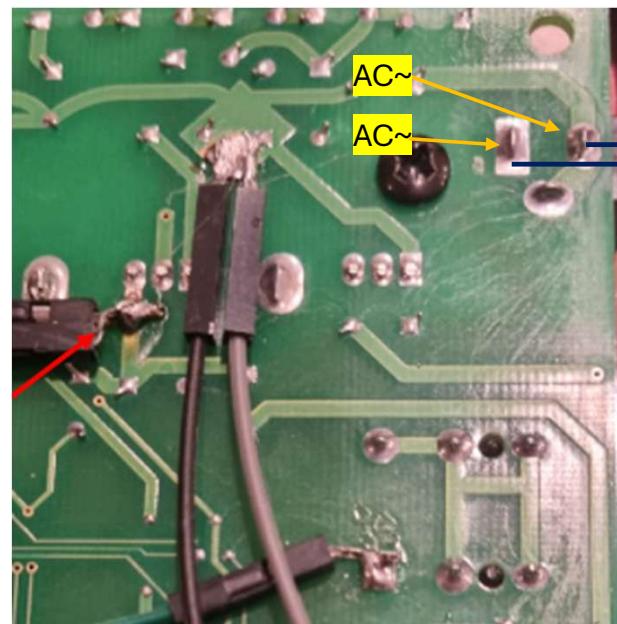
- Save after 2 sec
- Blinks 3 Times for each Effect section



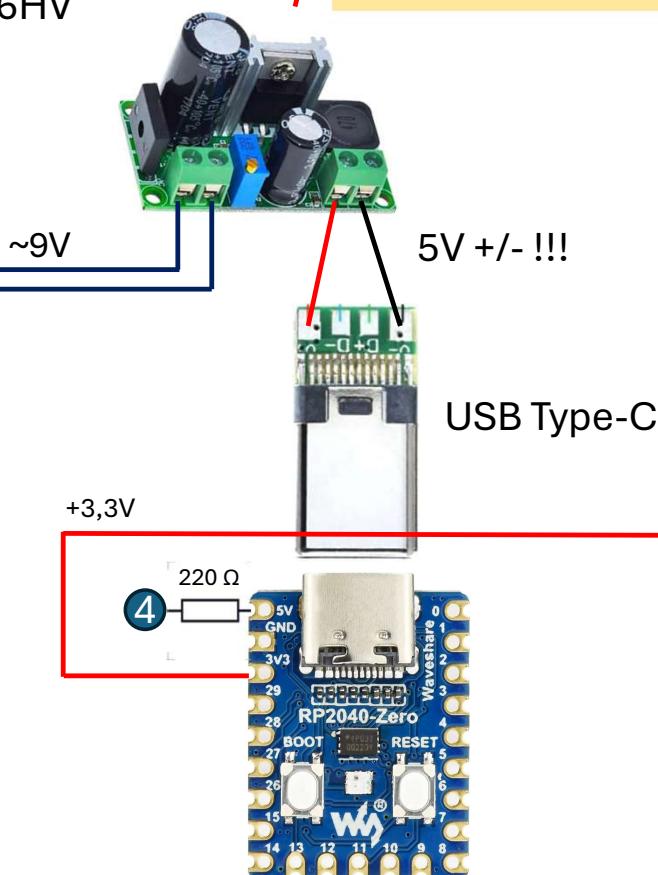
<https://youtube.com/shorts/yBMvel-sLH8>



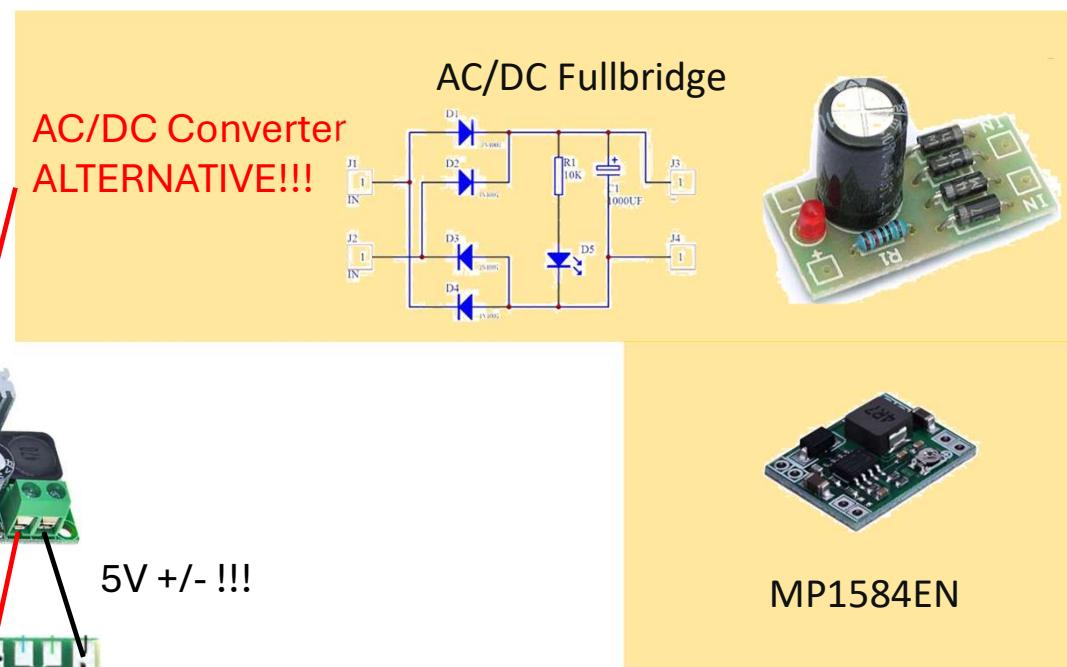
Power Supply



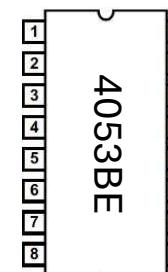
AC/DC Converter
LM2596HV



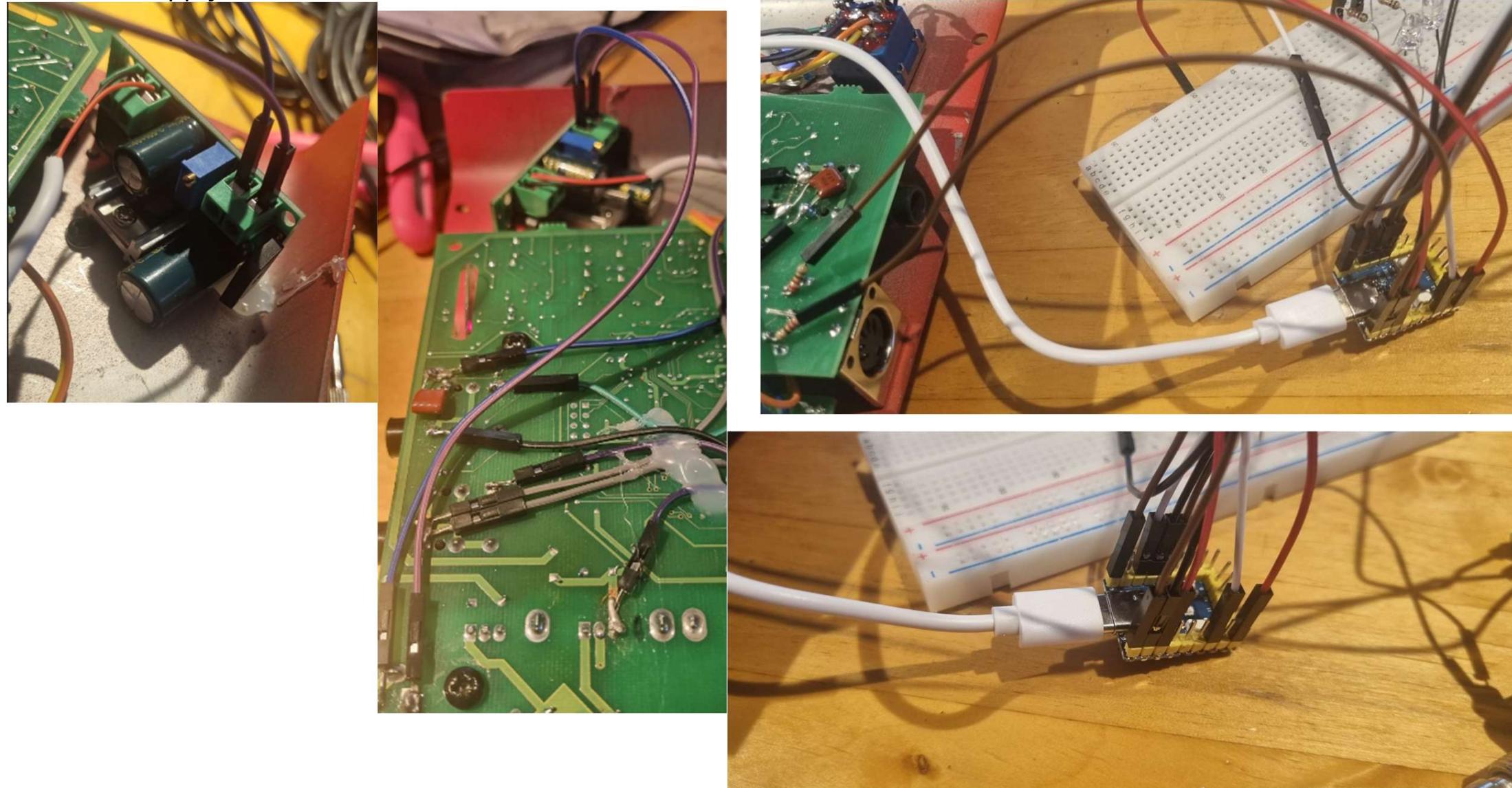
AC/DC Converter
ALTERNATIVE!!!

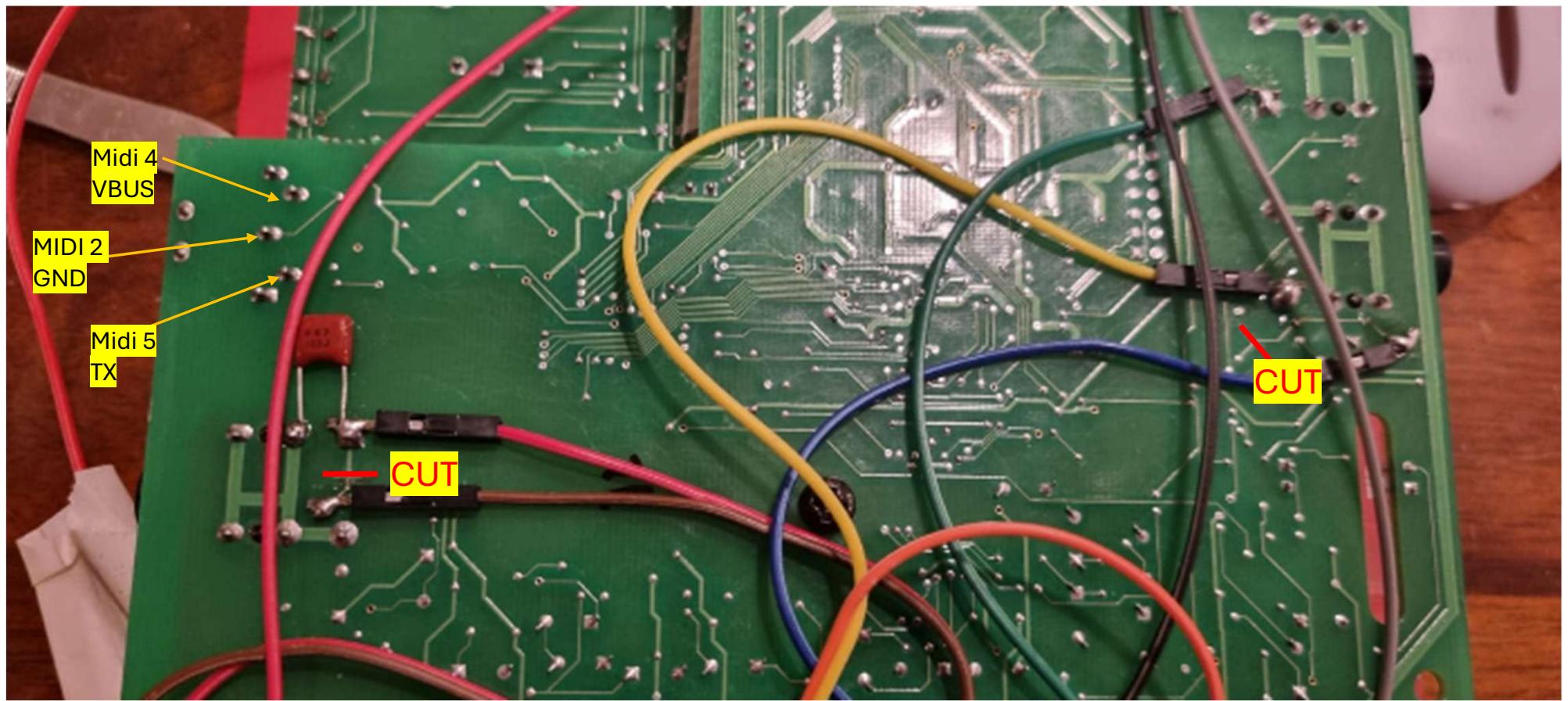


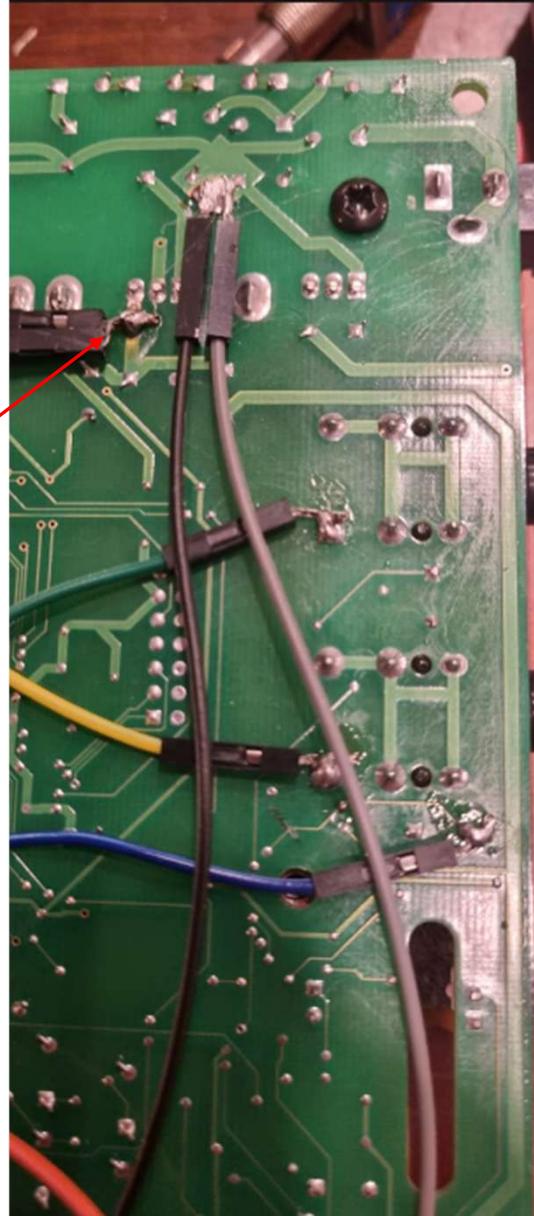
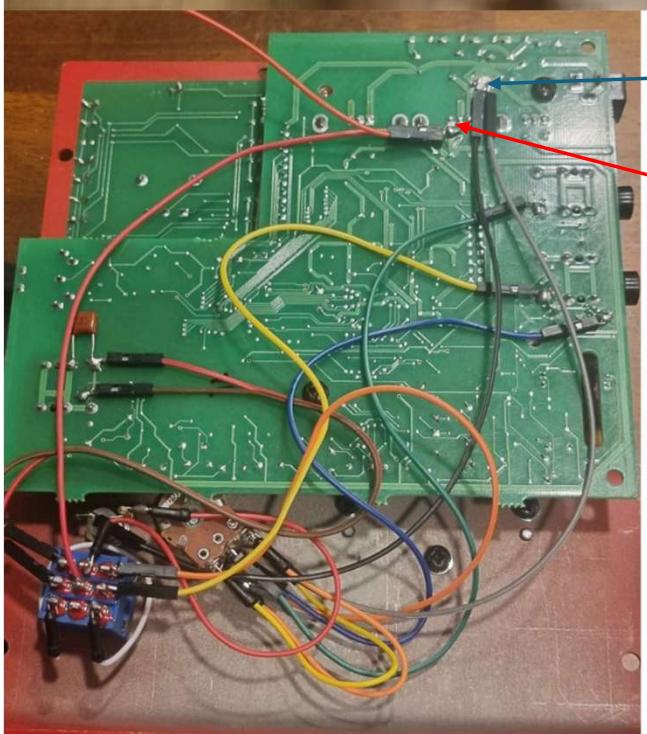
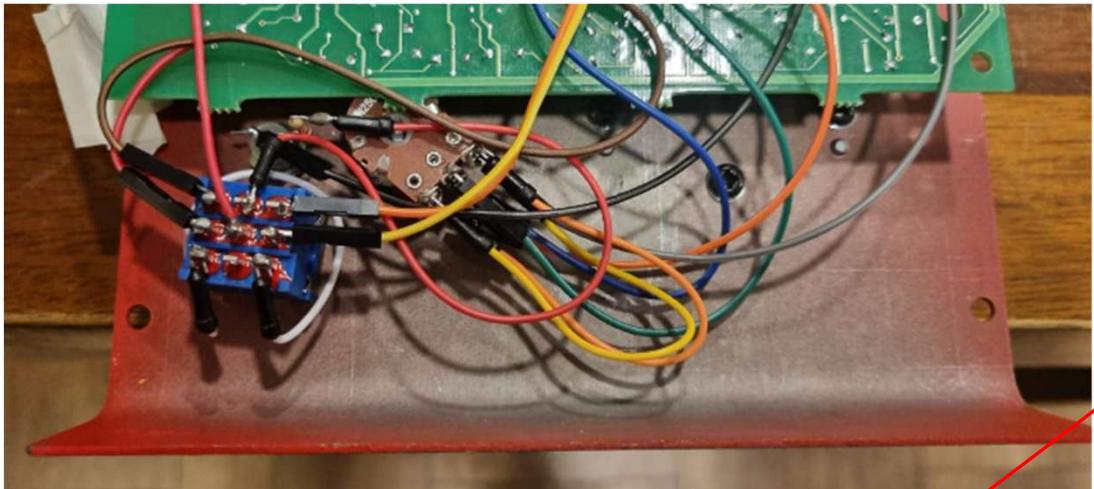
AC/DC Fullbridge

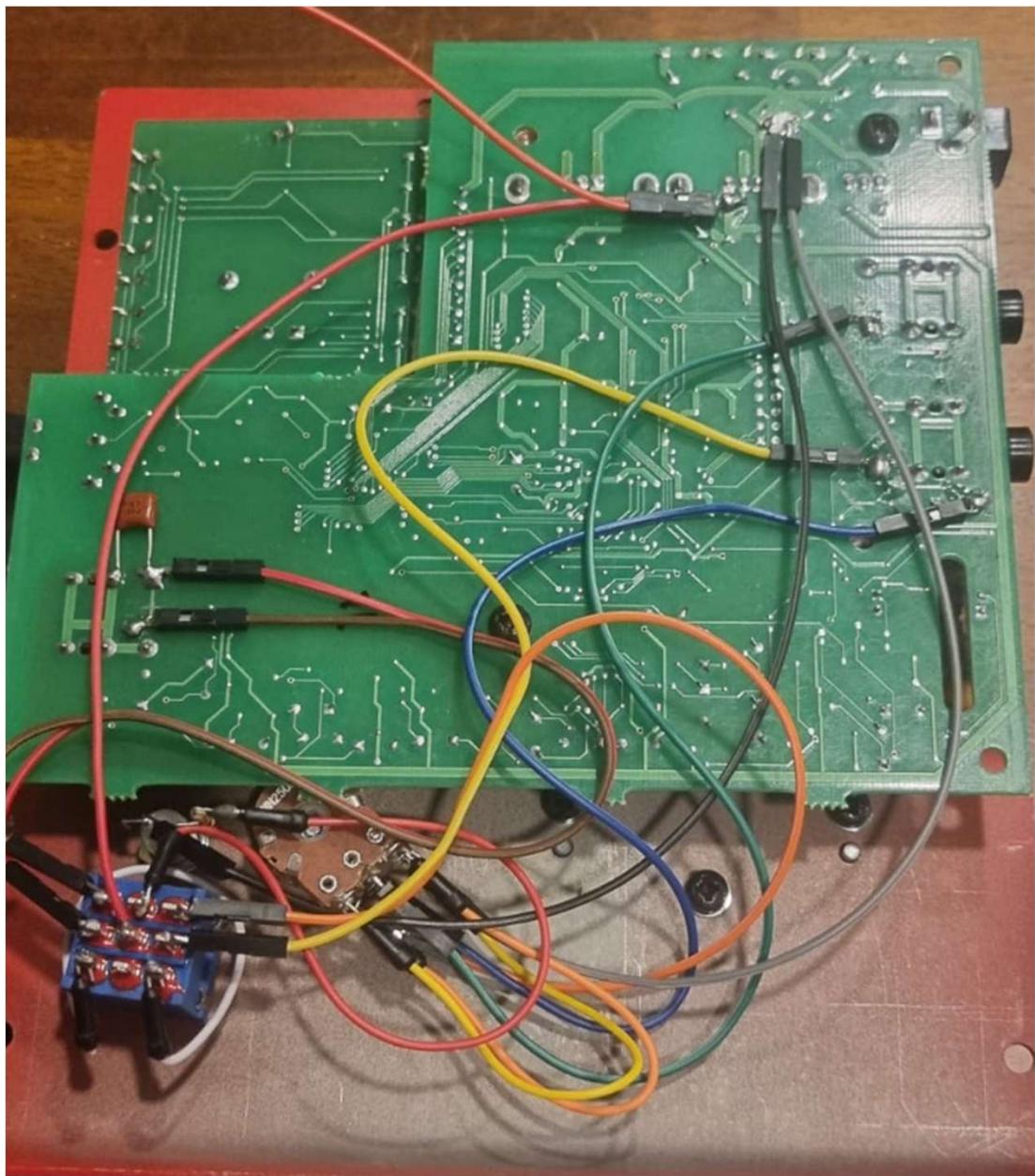


Power Supply

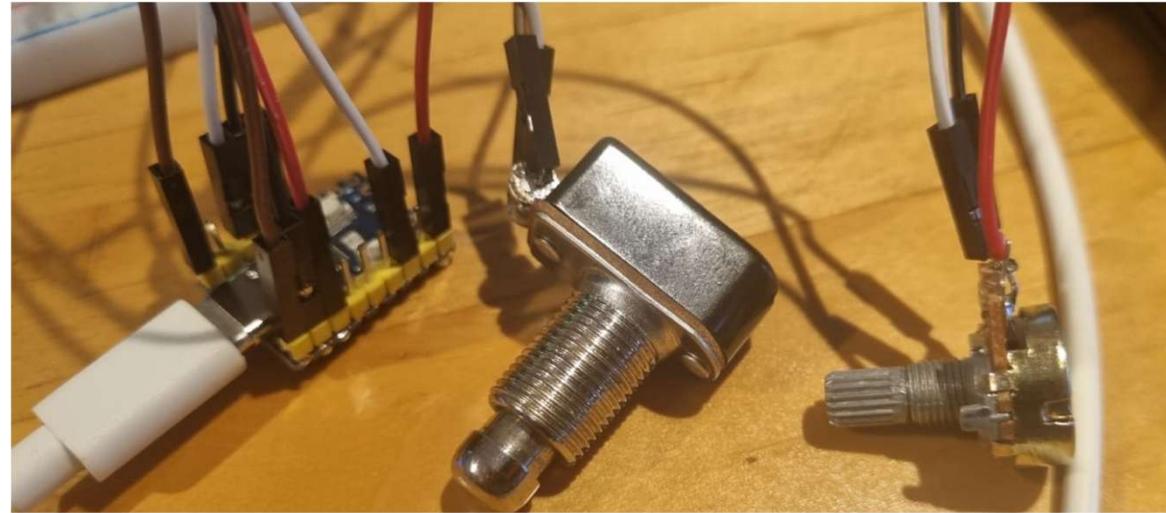
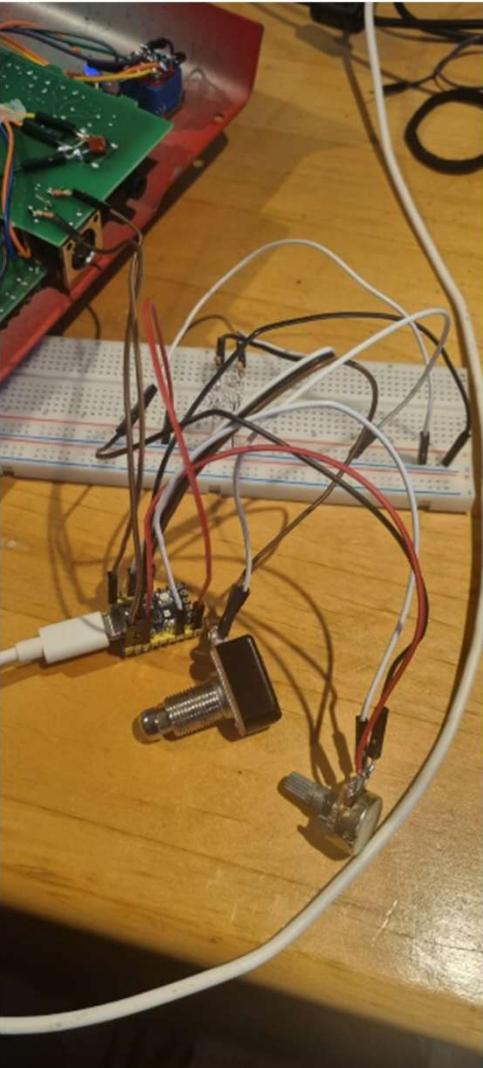
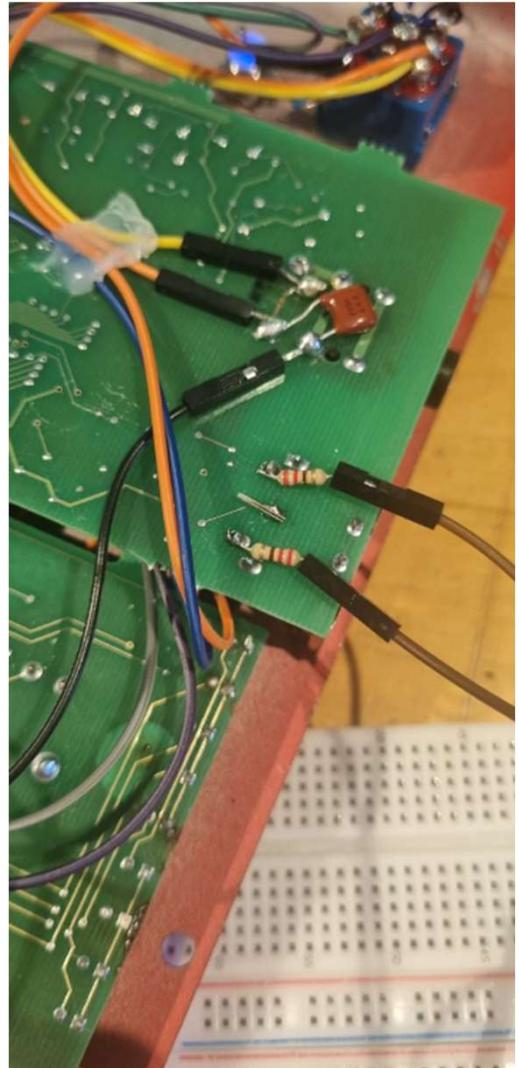








Midi Test



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

- 2 combinable effect presets