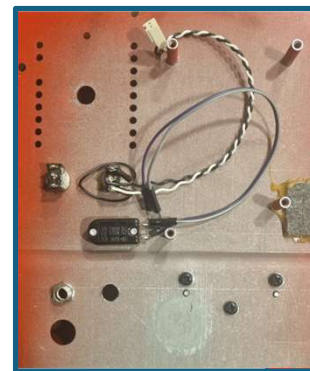
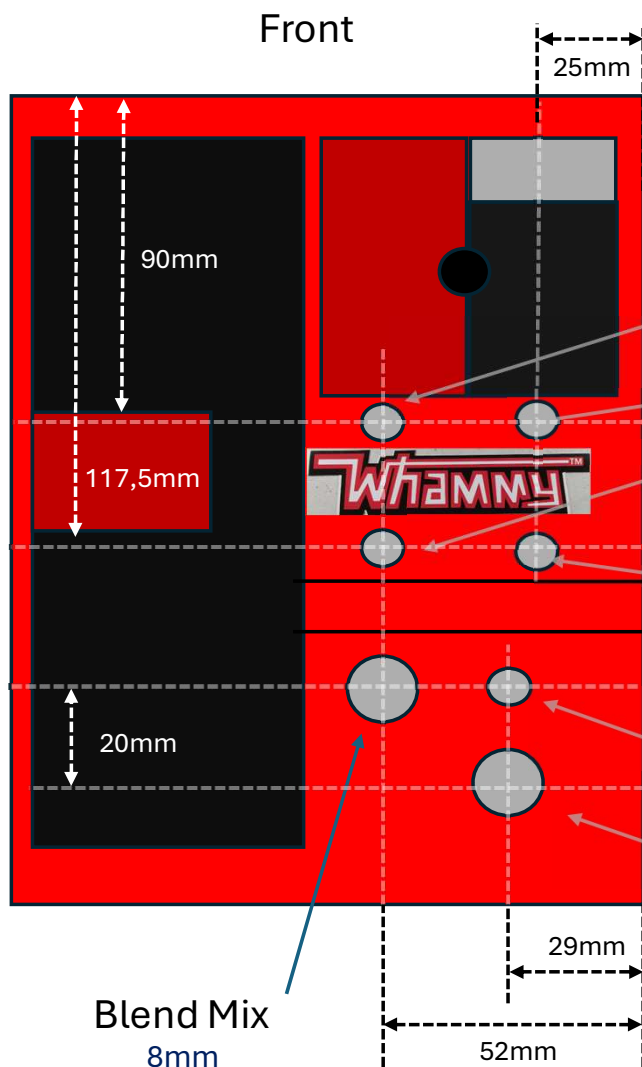


Whammy 4 – Version 1.05  
By melatroid

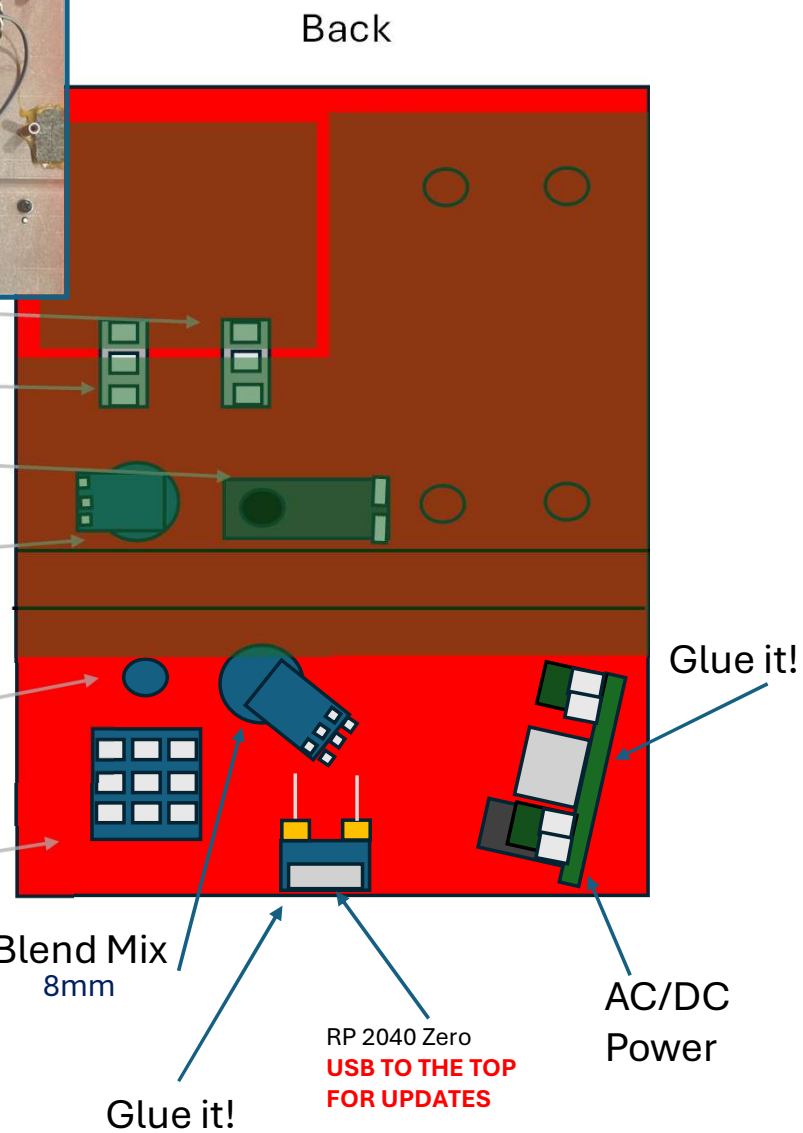
True Bypass, Blend Mix,  
Shutter Gate Effect,  
Change Effects  
Shutter/Momantary



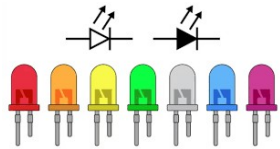
- Calibration
- Midi Access
- Shutter Speed
- Momantary / Change Effects
- Blend Mix
- LED On/OFF
- Effect On/OFF



- 6mm Calibration Switch
- 6mm Midi Access Switch
- 12mm Momentary Switch
- 7mm Poti 10KOhm
- 7,5mm LED
- 10mm 3PDT



## Parts



1k $\Omega$  3x

1M $\Omega$

220 $\Omega$  2x



10nF  
(optional)



Toggle Switch 2x  
Midi Access /  
Calibration



Momantary  
(Original Part)



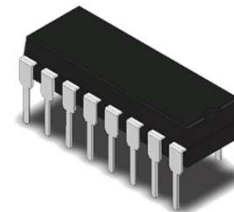
250k $\Omega$   
Blend



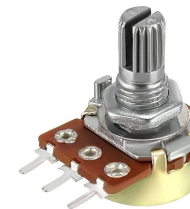
3PDT



AC/DC  
LM2596HV



4053BE



10K $\Omega$



Raspberry Pi  
2040 Zero

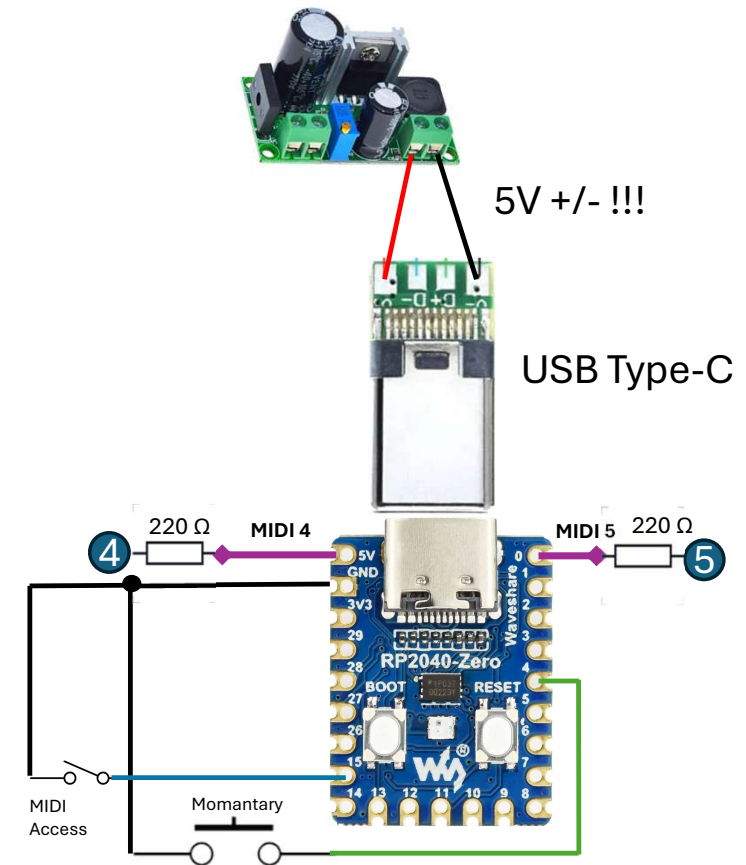
## Midi Access

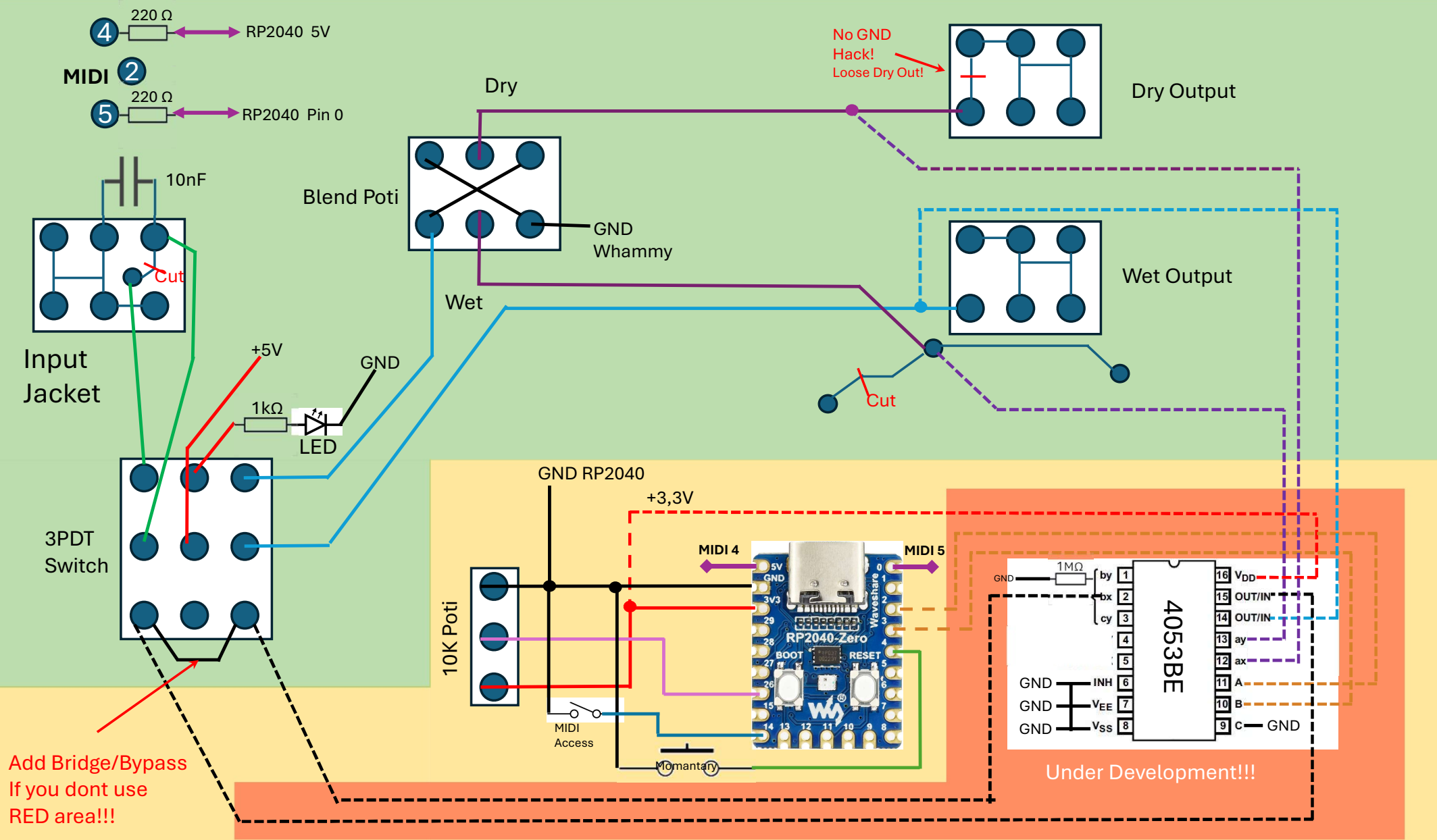


- Save after 2 sec
- Blinks 3 Times for each Effect section

- 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



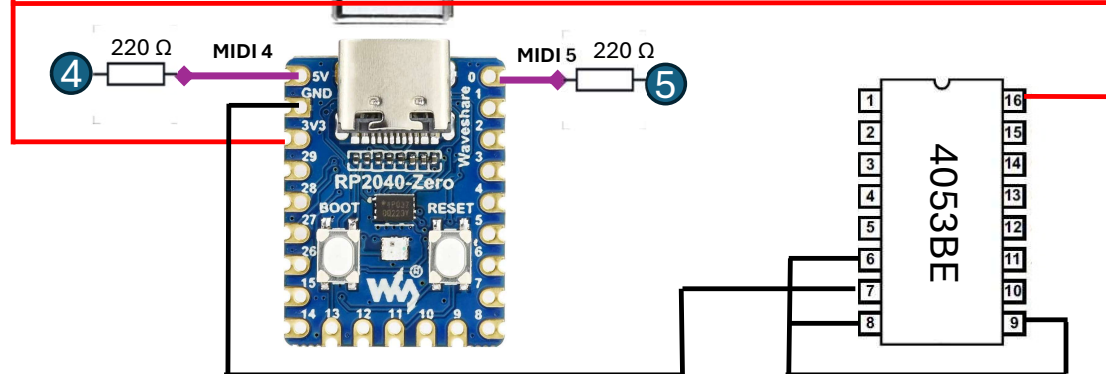
~9V

5V +/- !!!

USB Type-C

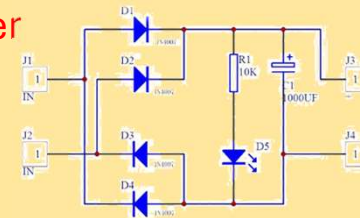


+3,3V



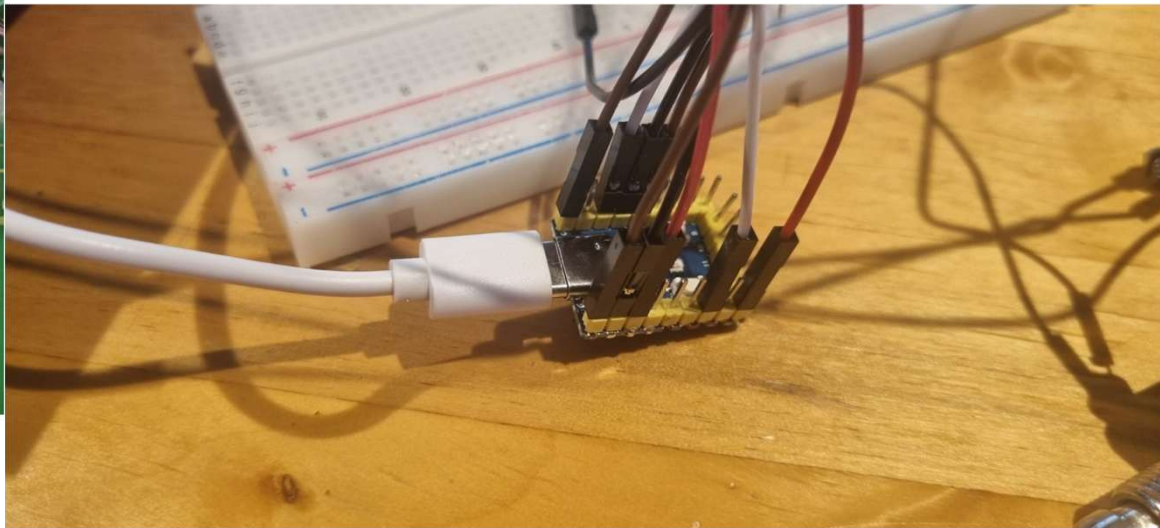
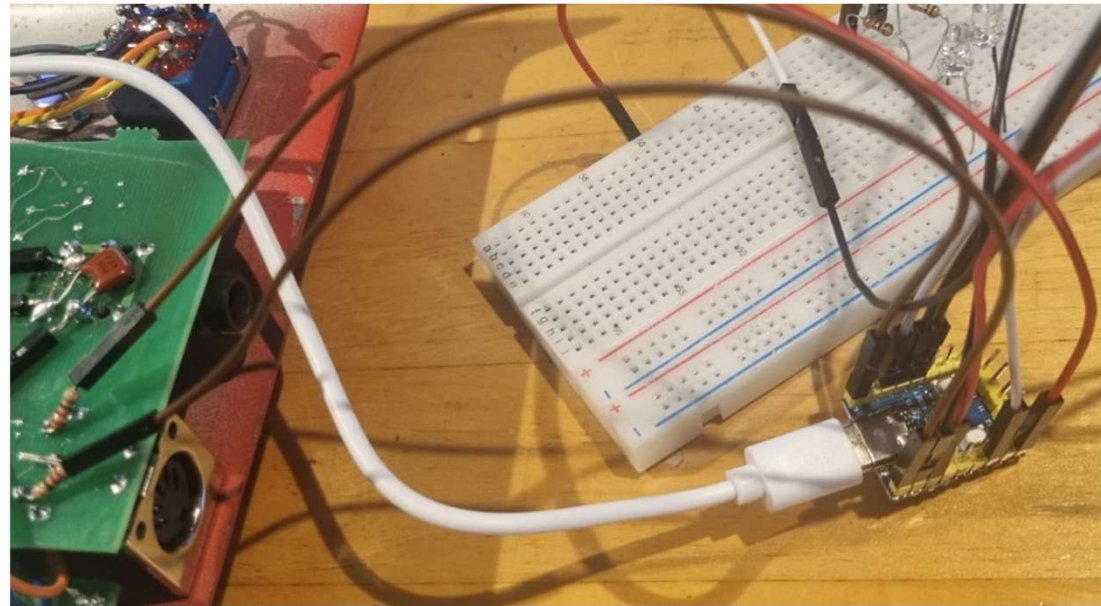
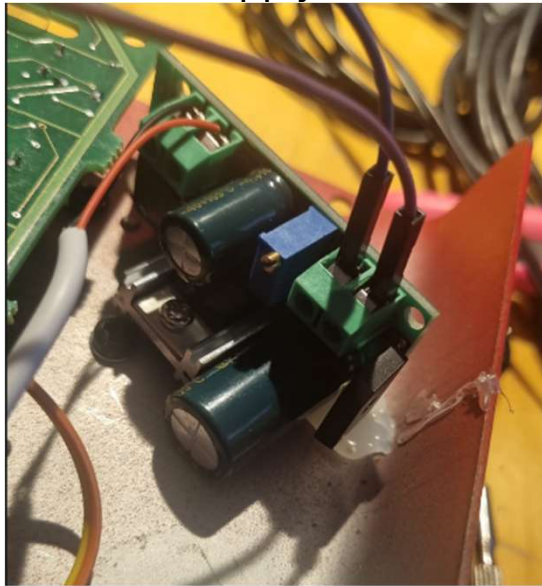
AC/DC Fullbridge

AC/DC Converter  
ALTERNATIVE!!!

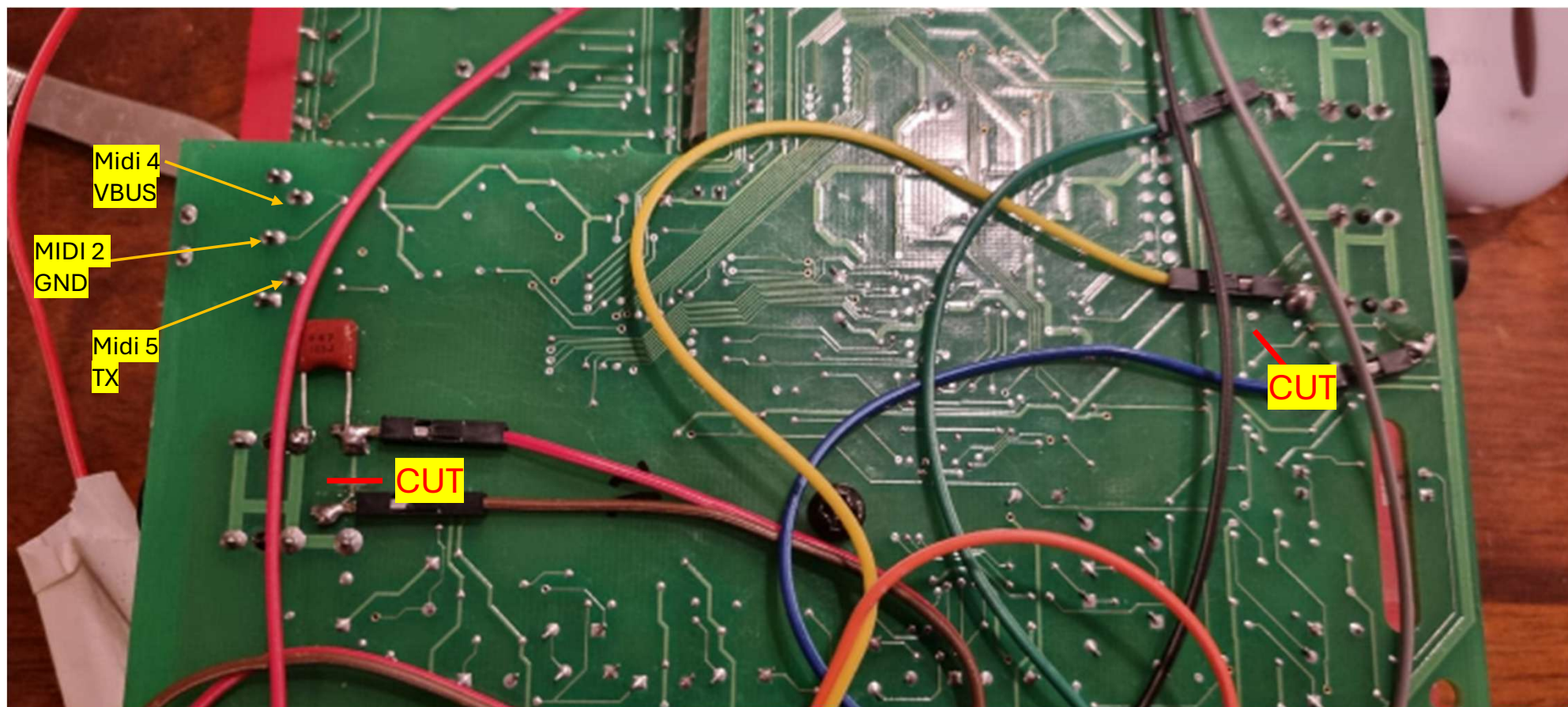


MP1584EN

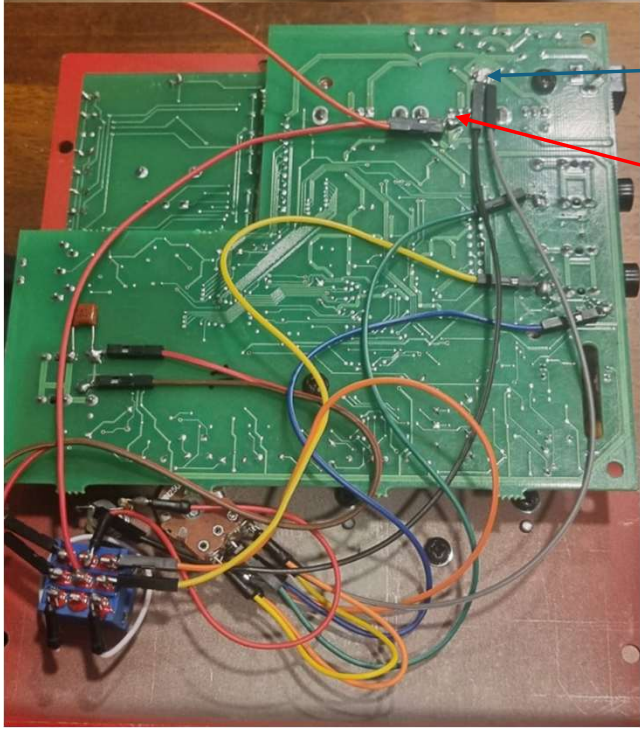
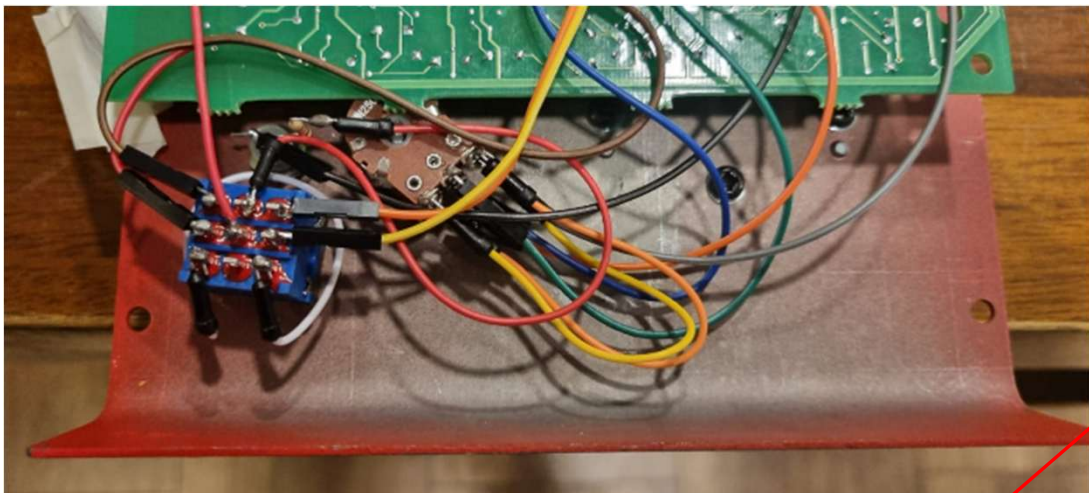
Power Supply





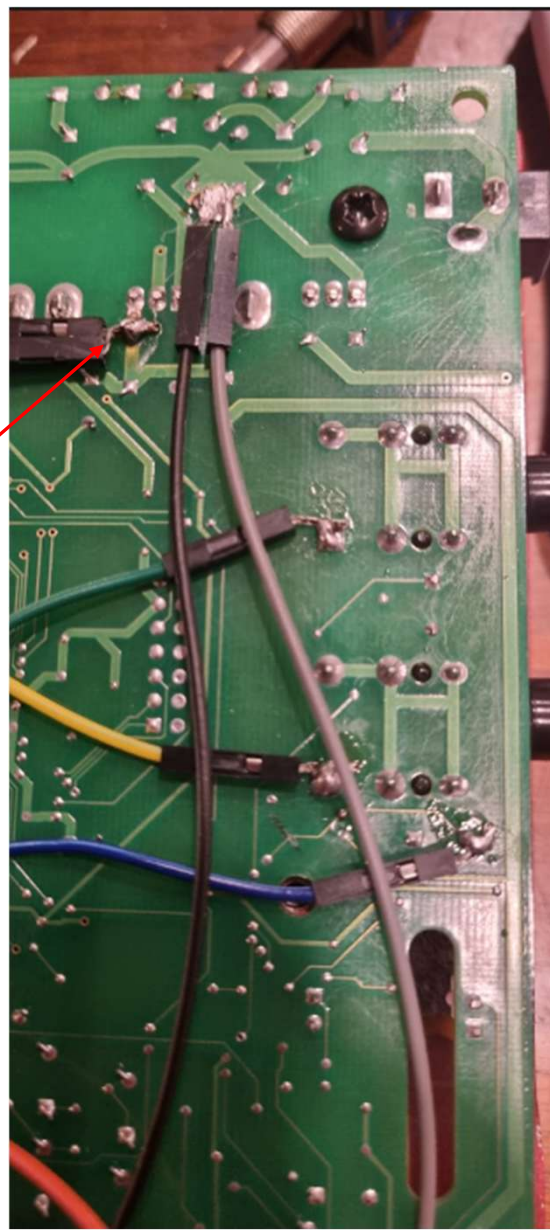




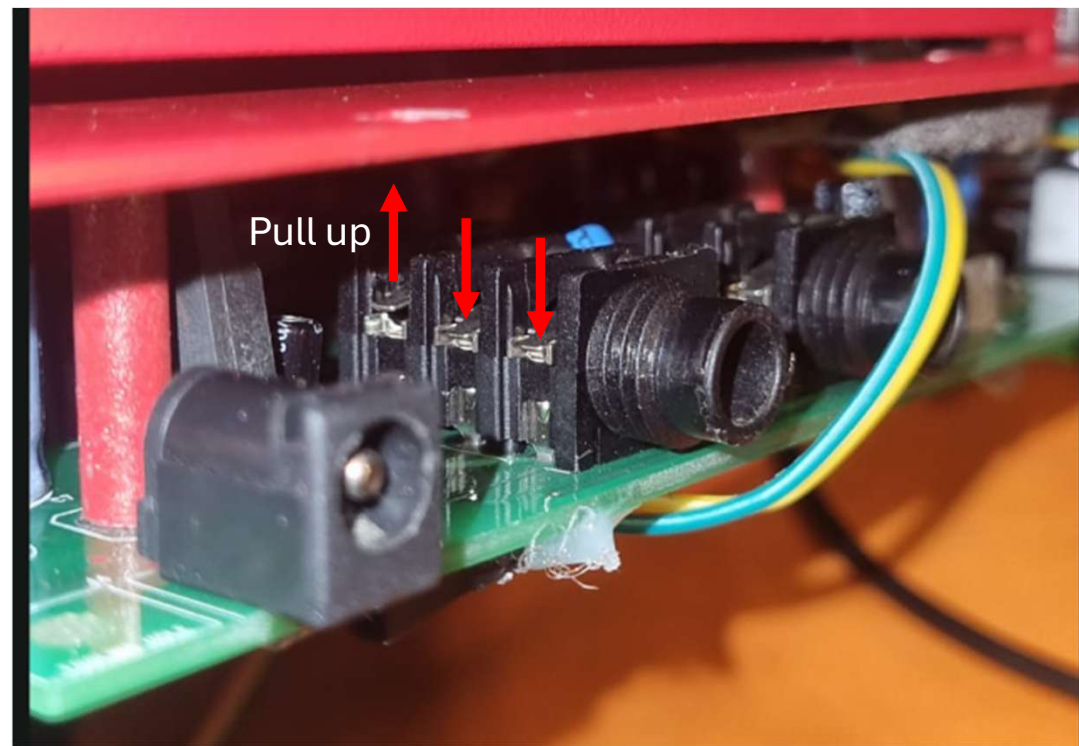
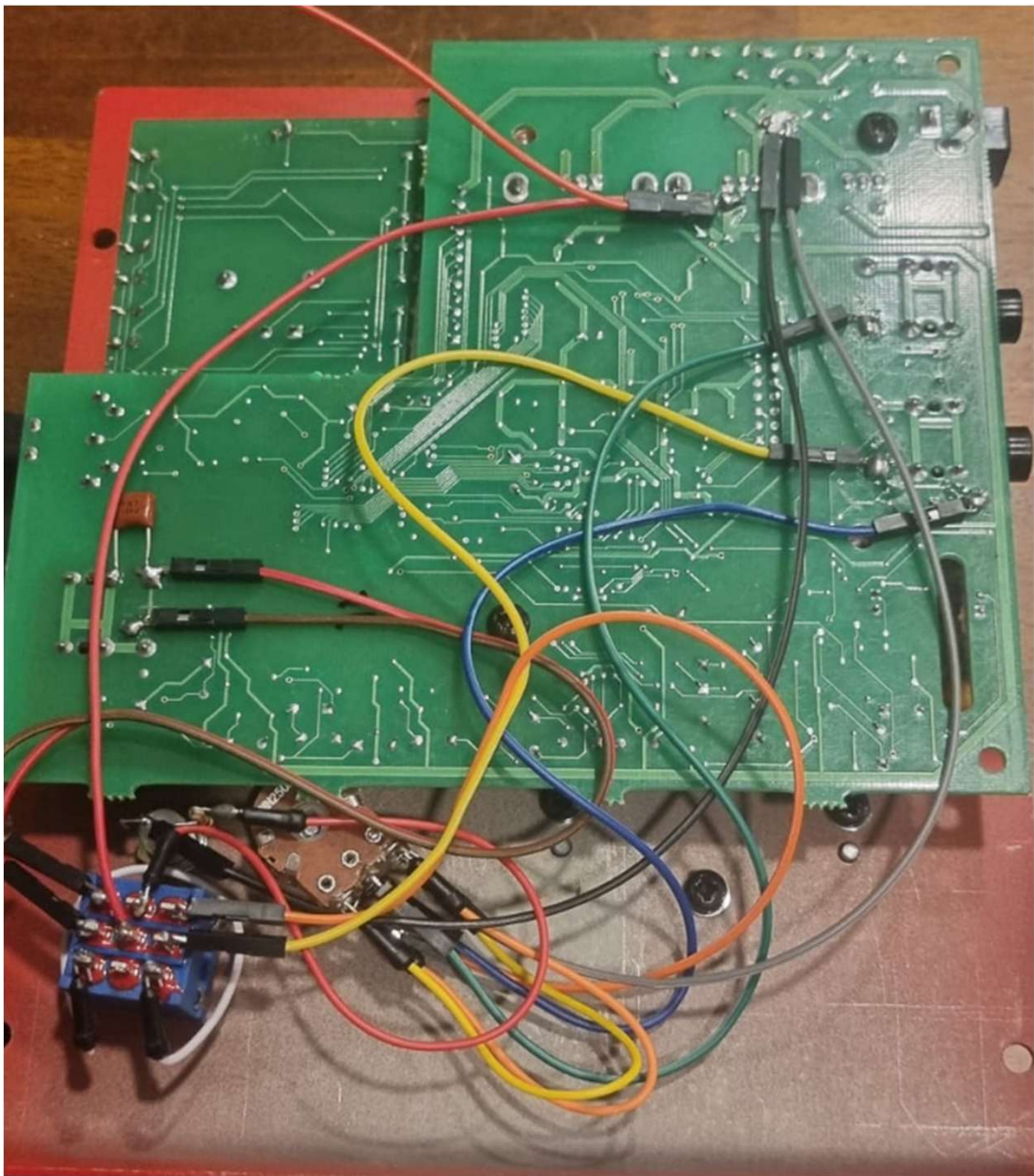


GND LED  
HERE!!!

+5V LED  
HERE!!!

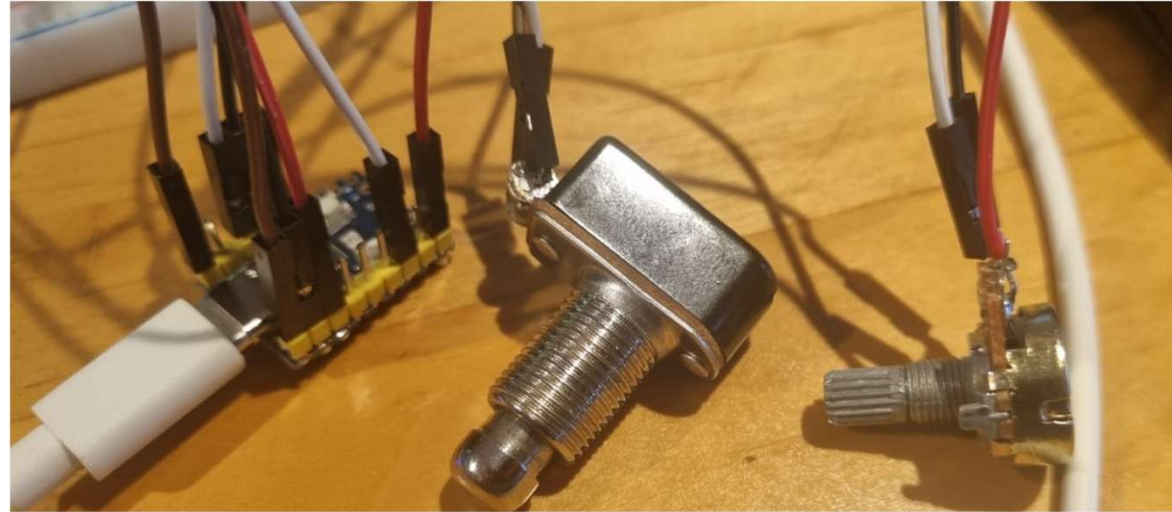
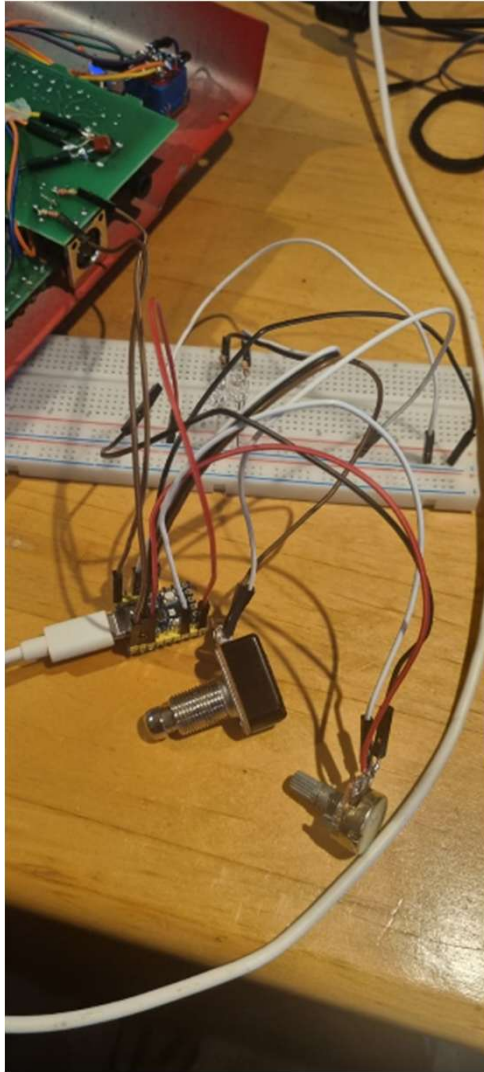
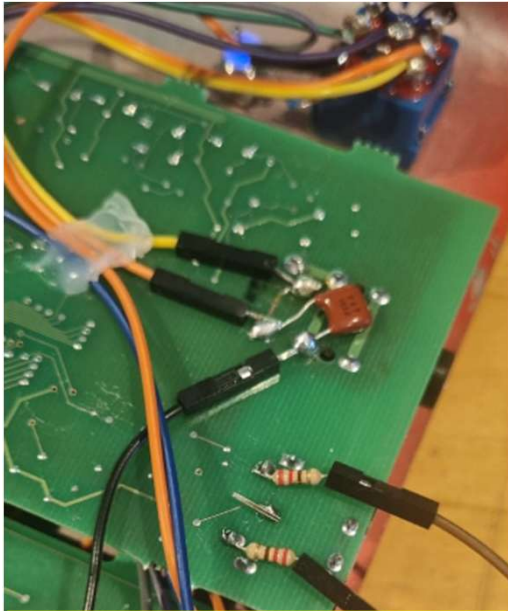








## Midi Test

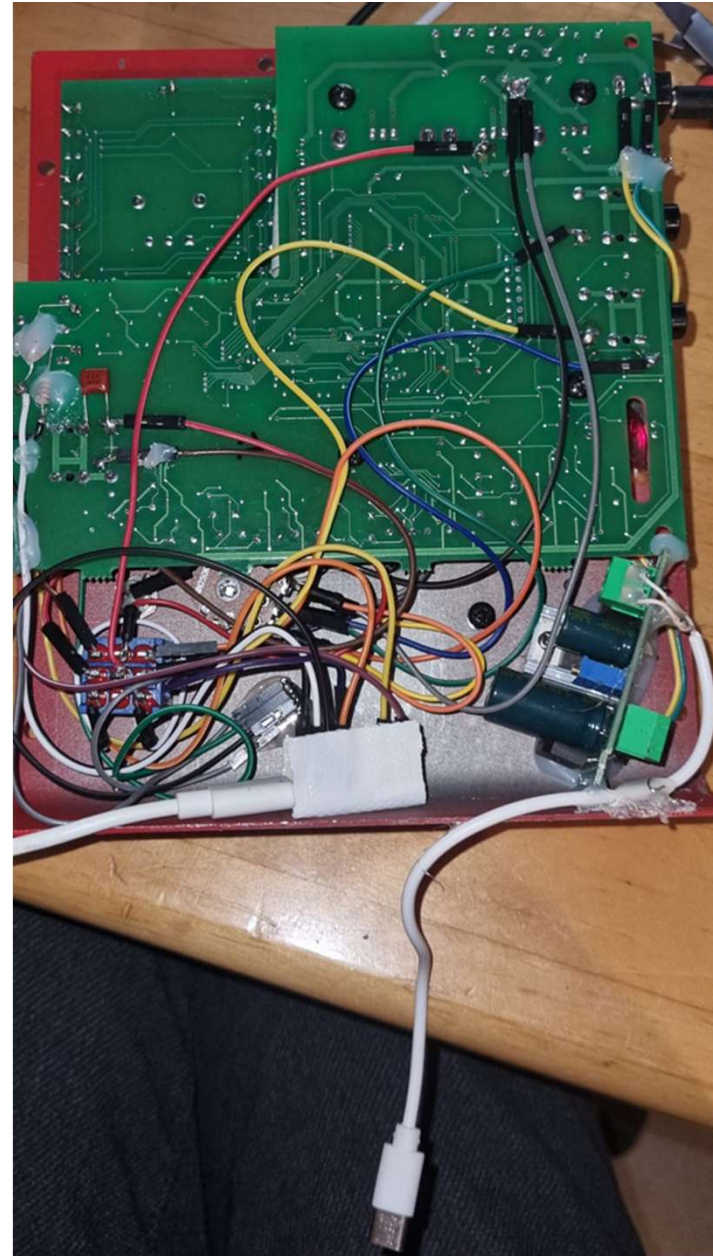


<https://youtube.com/shorts/wjgEext1rCg>

- 2 combinable effect presets



Final Front/Back



Flash Software

