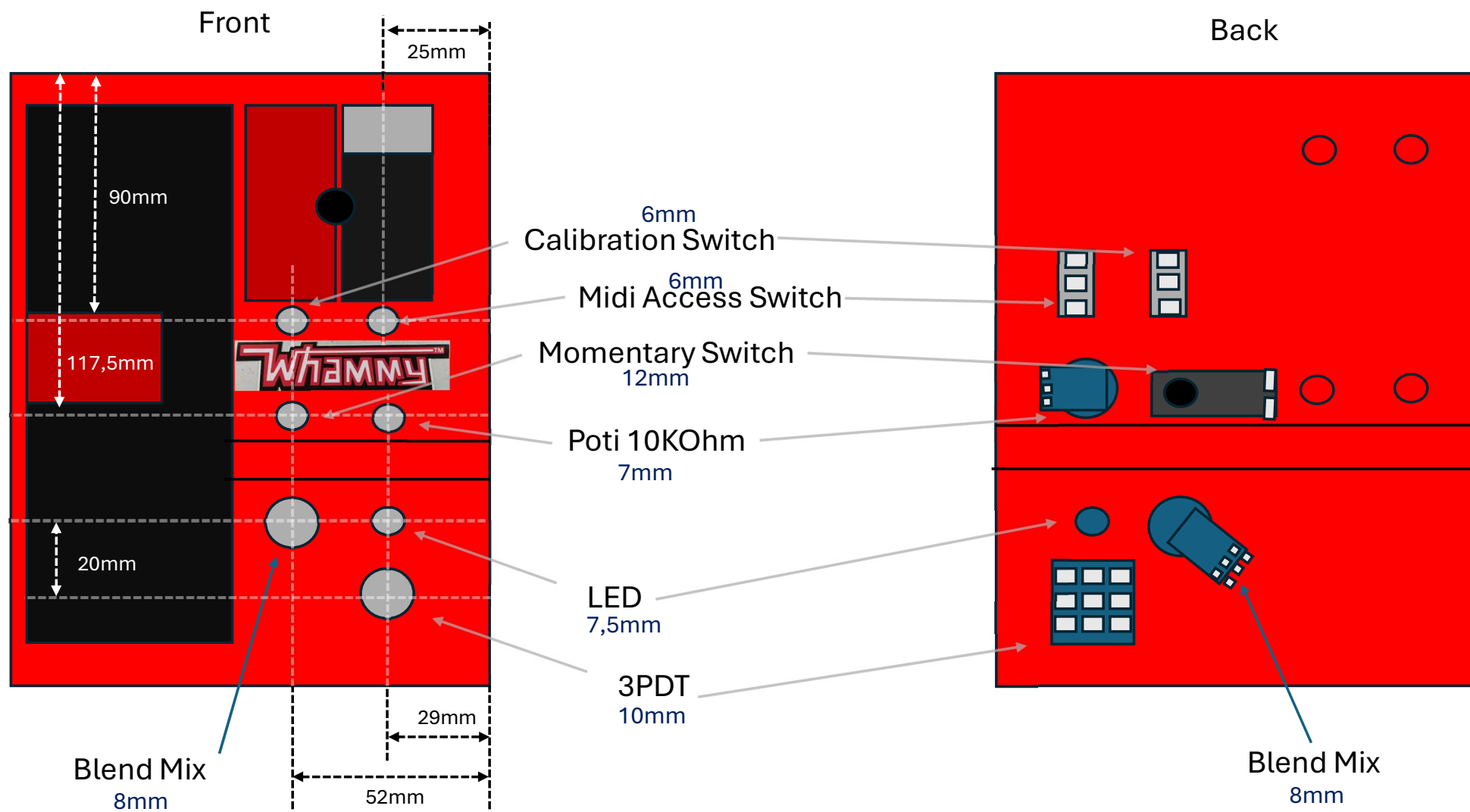


Whammy 4 – Version 1.02

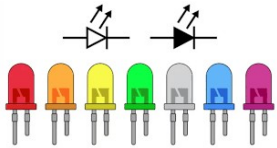
True Bypass, Blend Mix,  
Shutter Gate Effect,  
Midi Access (Change Effects)



- Calibartion
- Midi Access
- Shutter Speed
- ShutterGate / Change Effects
- Blend Mix
- LED On/OFF
- Effect On/OFF



## Parts



1k $\Omega$  3x

1M $\Omega$

220 $\Omega$  2x



10nF  
(optional)



Toggle Switch 2x  
Midi Access /  
Calibration



Momantary  
(Original Part)



250k $\Omega$   
Blend



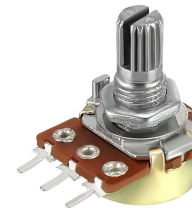
3PDT



AC/DC  
LM2596HV



4053BE



10K $\Omega$



Raspberry Pi  
2040 Zero

## Midi Access



- Midi Access ON



Change Effect 1/2 for Shuttergate

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

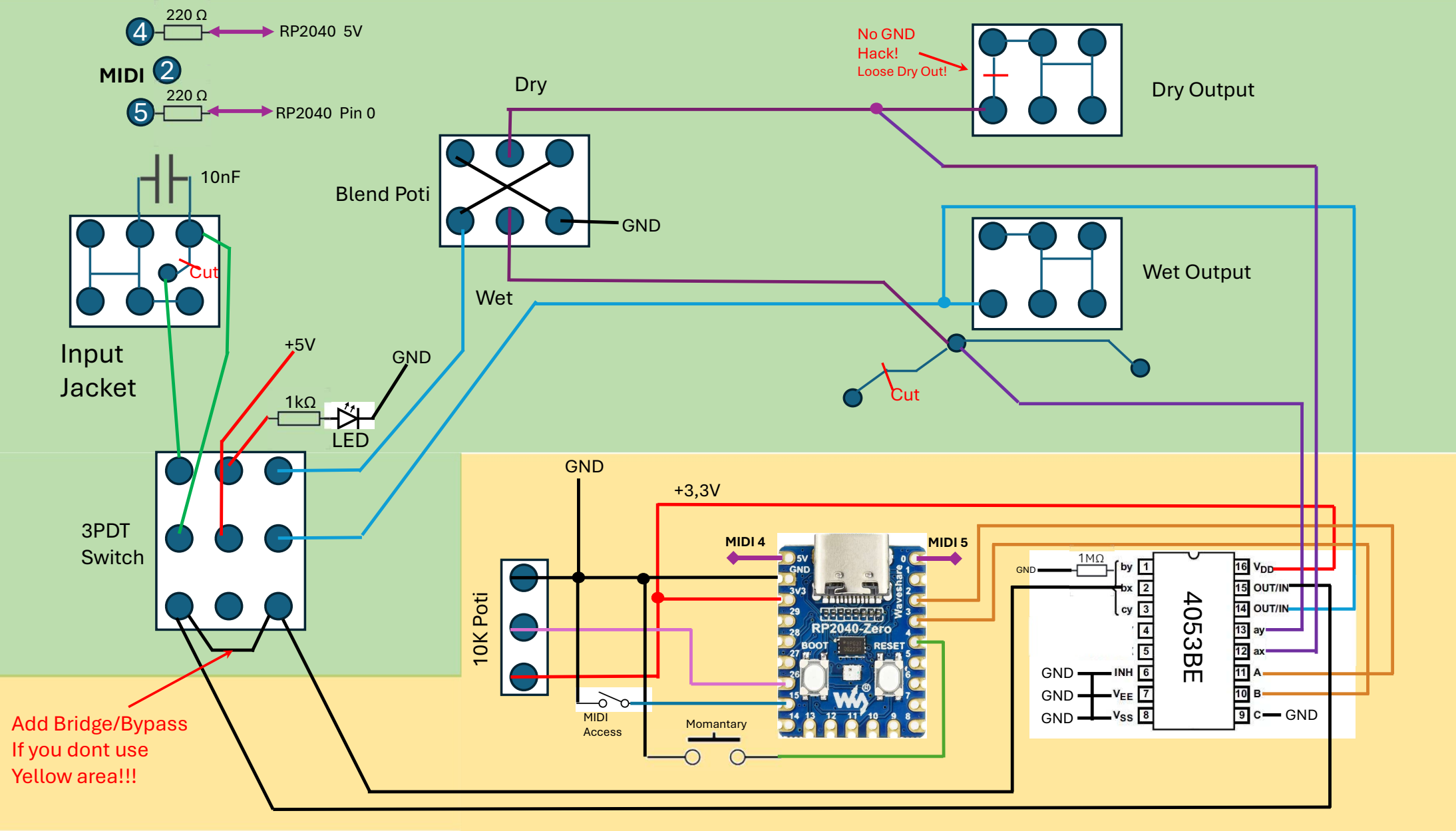
- Midi Access OFF

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

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

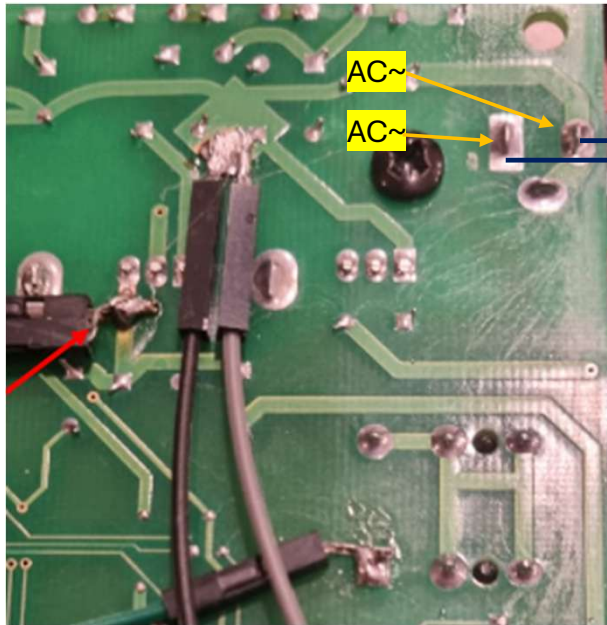


<https://youtube.com/shorts/yBMvel-sLH8>



## Power Supply

AC/DC Converter  
LM2596HV



~9V

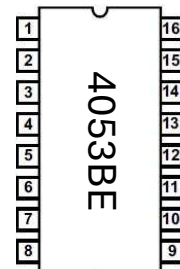
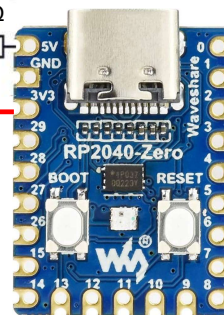
5V +/- !!!

USB Type-C

+3,3V

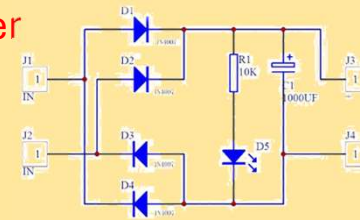
220  $\Omega$

4



AC/DC Fullbridge

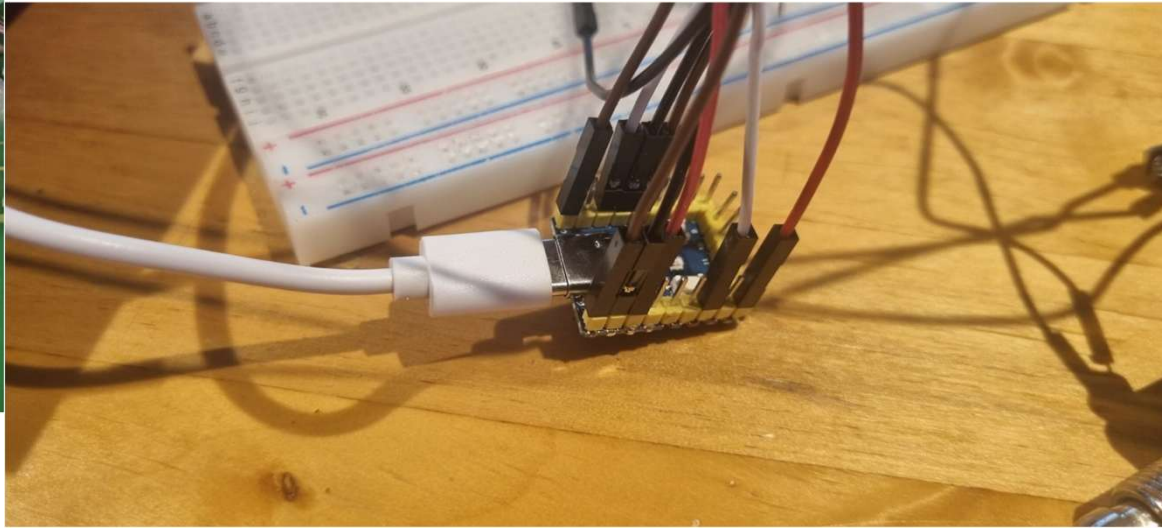
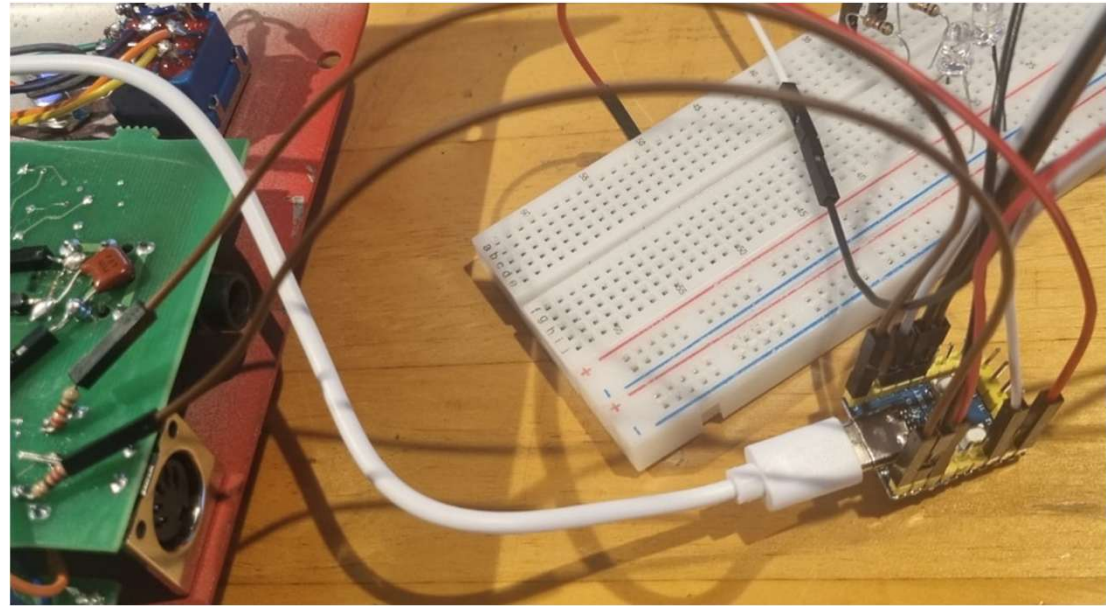
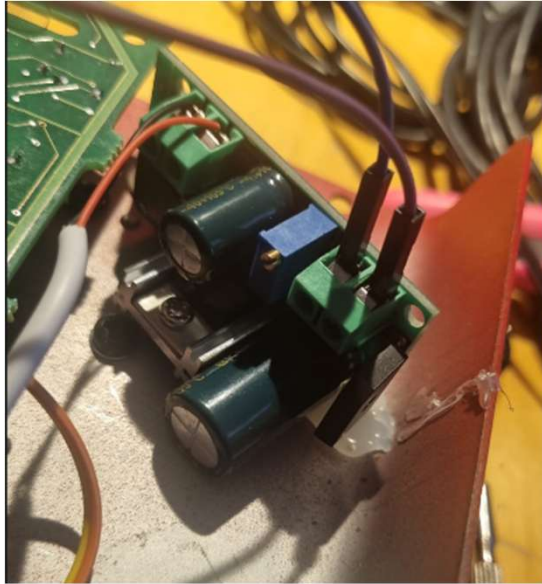
AC/DC Converter  
ALTERNATIVE!!!



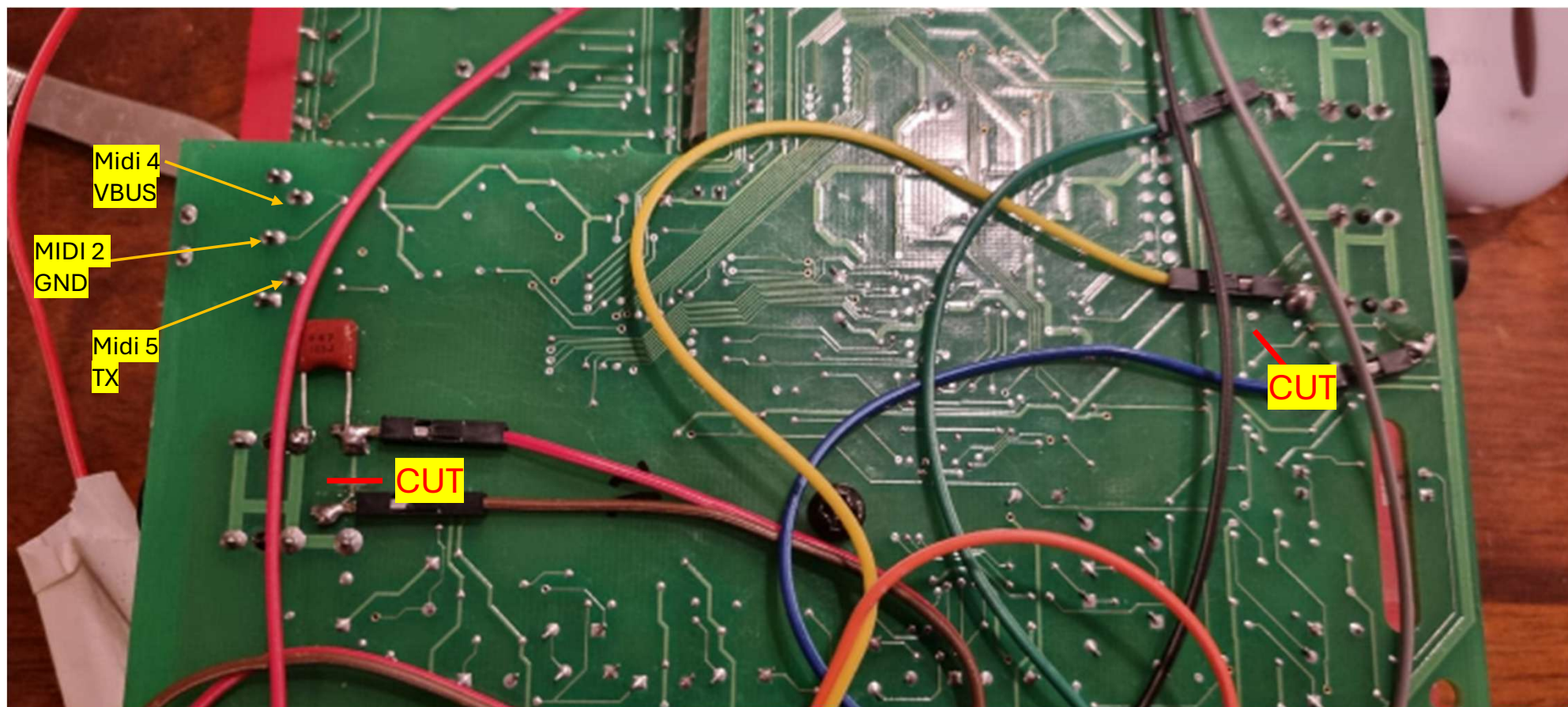
MP1584EN



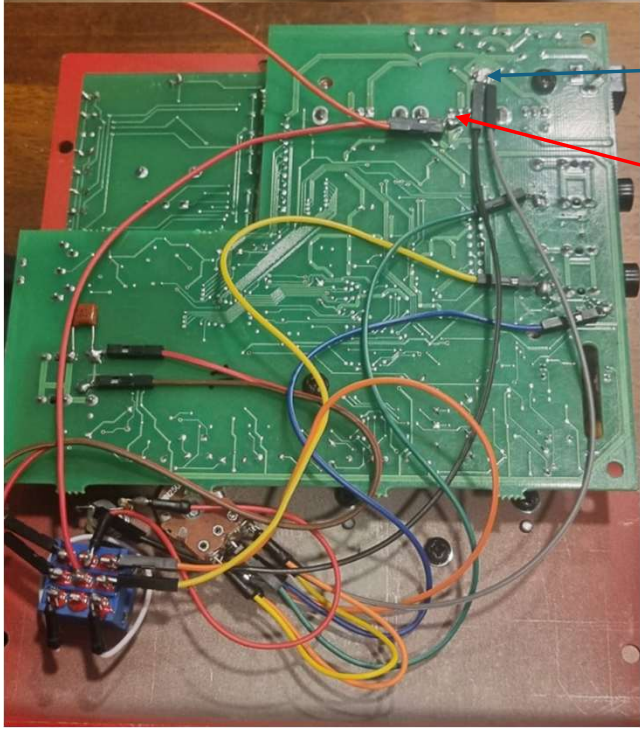
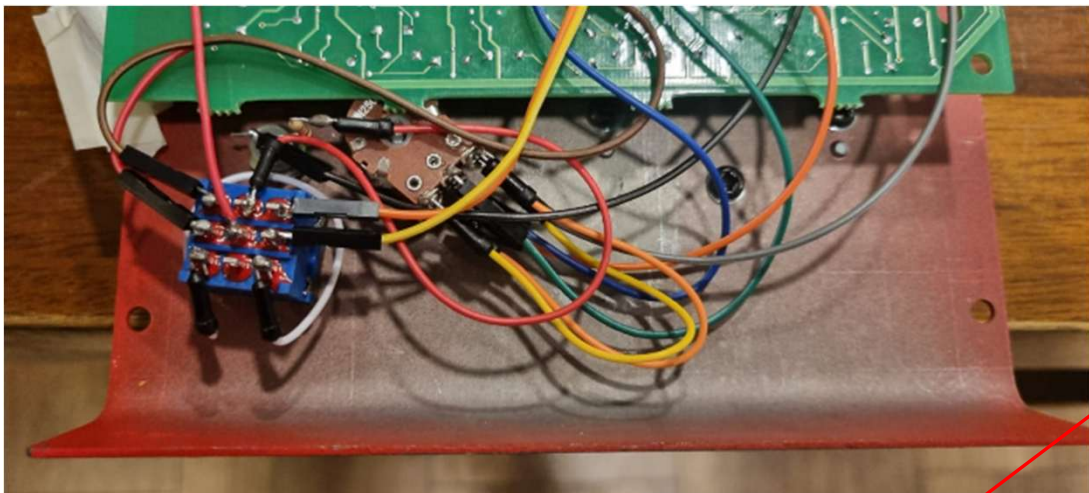
Power Supply





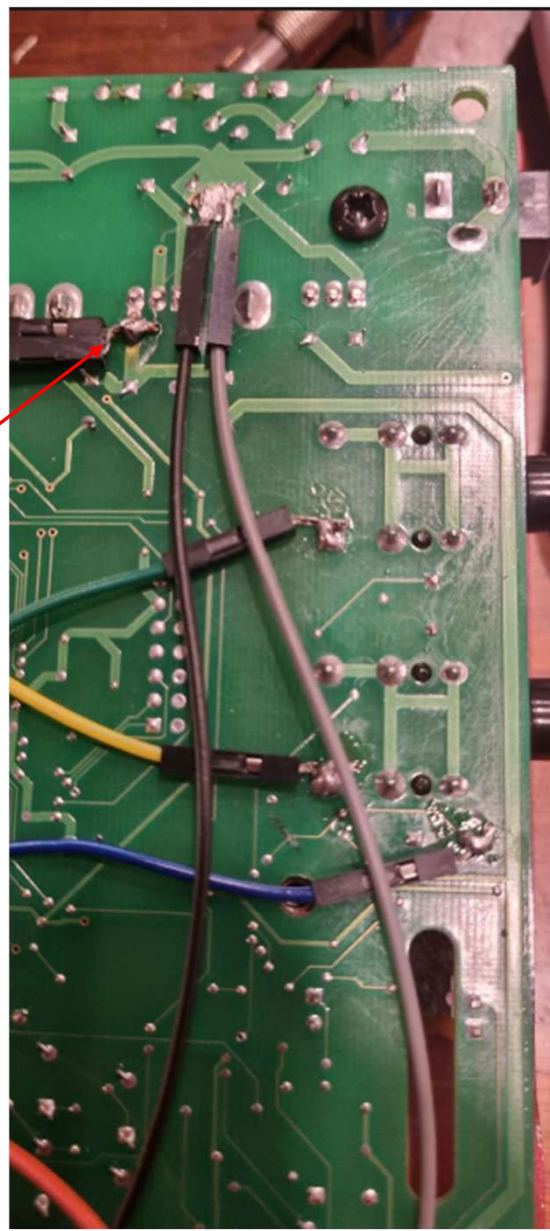




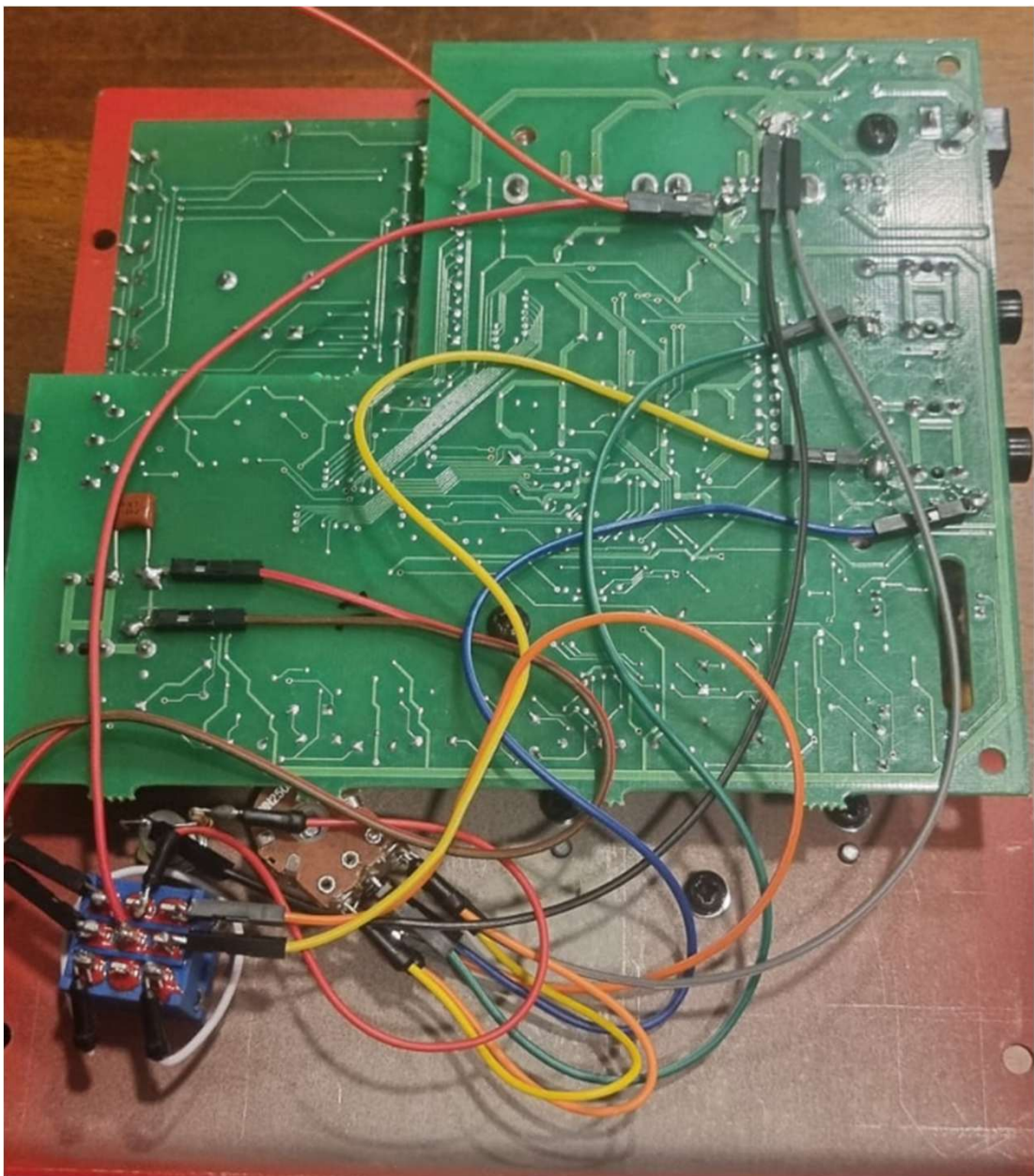


GND  
HERE!!!

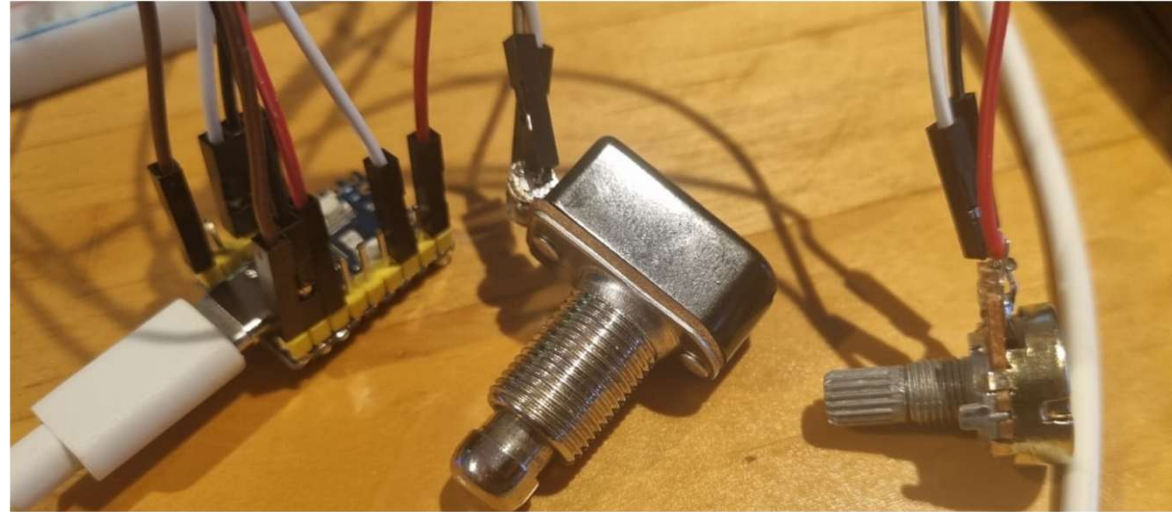
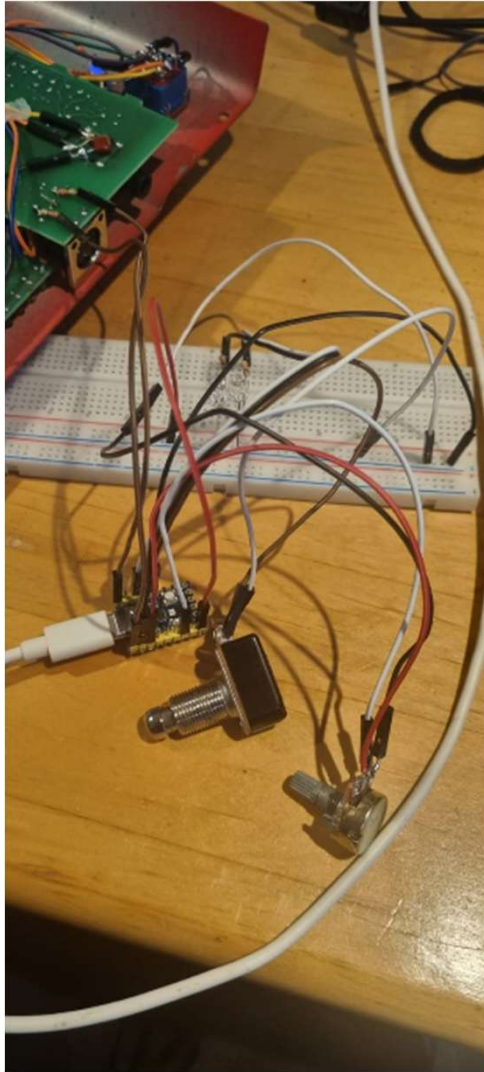
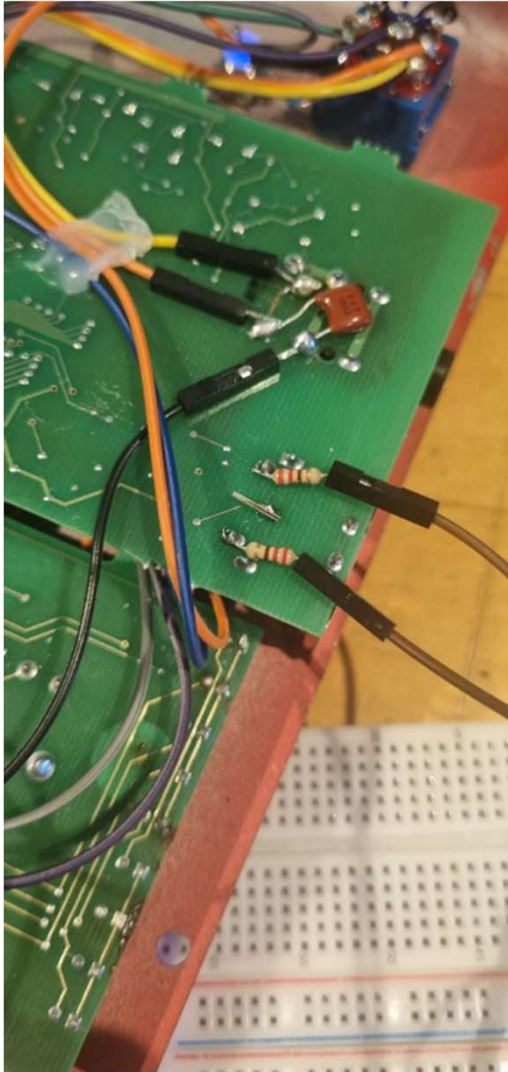
+5V  
HERE!!!







## Midi Test



<https://youtube.com/shorts/wjgEext1rCg>  
- 2 combinable effect presets