

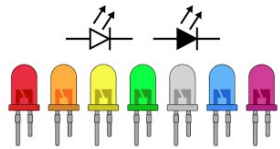
Whammy 4 – Version 1.02

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)



Toogle Switch
Midi Access



Momantary
(Original Part)



250k Ω
Blend



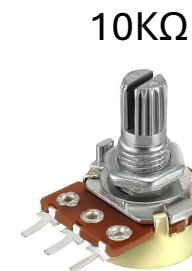
3PDT



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

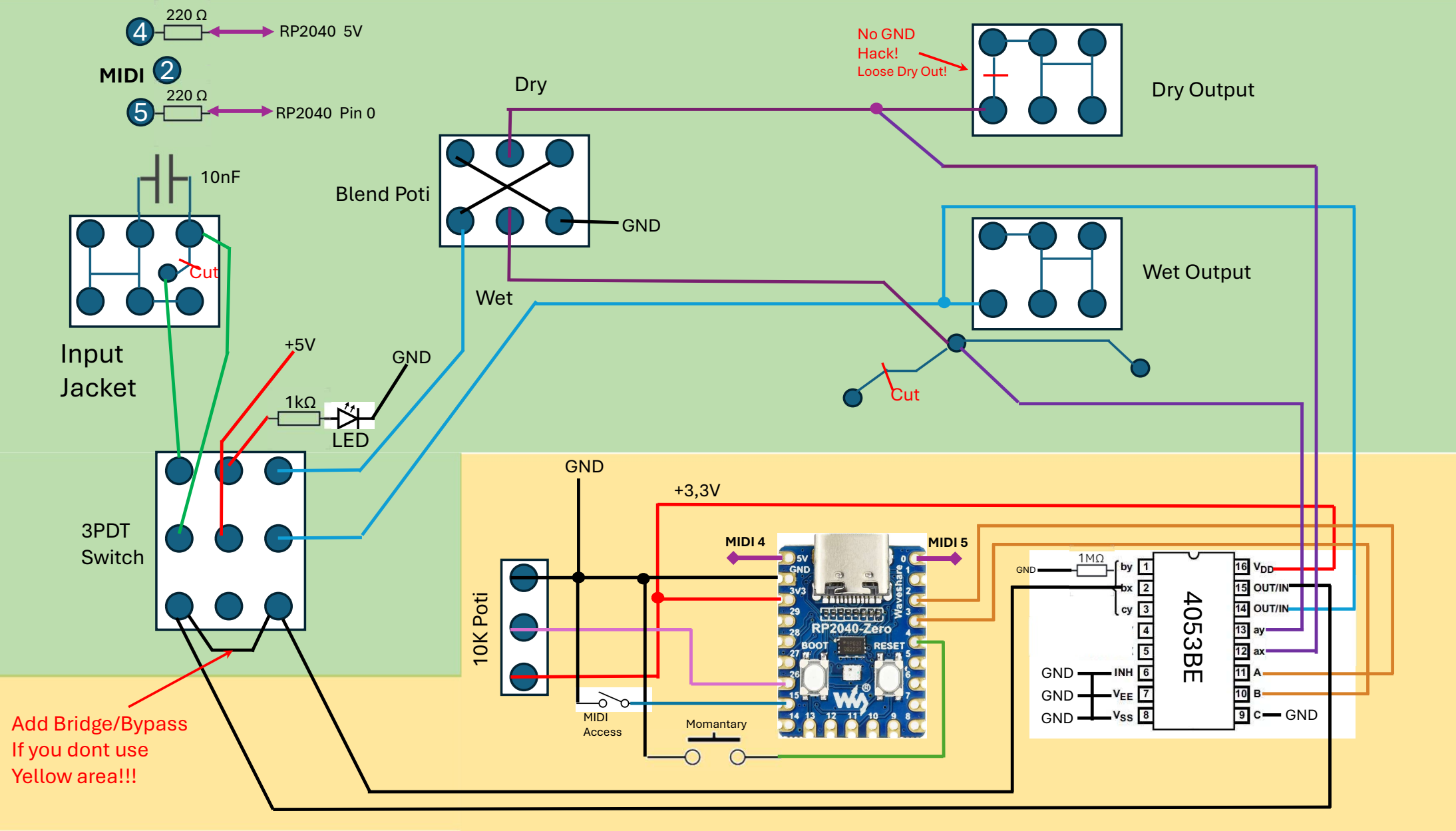
- Midi Access OFF

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

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

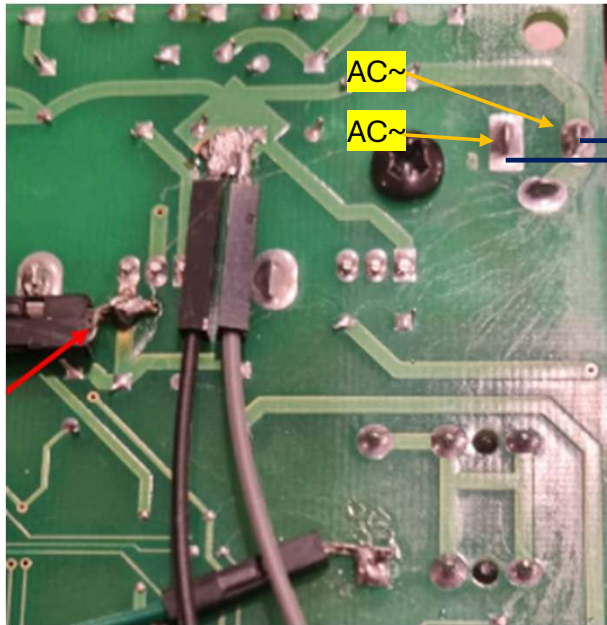


<https://youtube.com/shorts/yBMvel-sLH8>



Power Supply

AC/DC Converter
LM2596HV



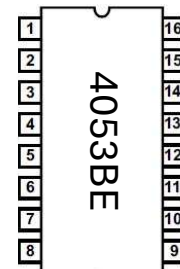
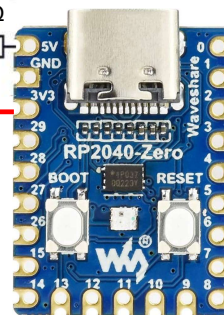
~9V

5V +/- !!!

USB Type-C

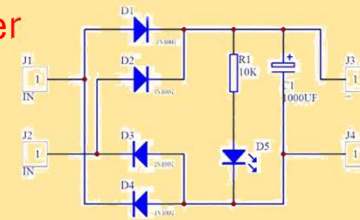
+3,3V

220 Ω
4



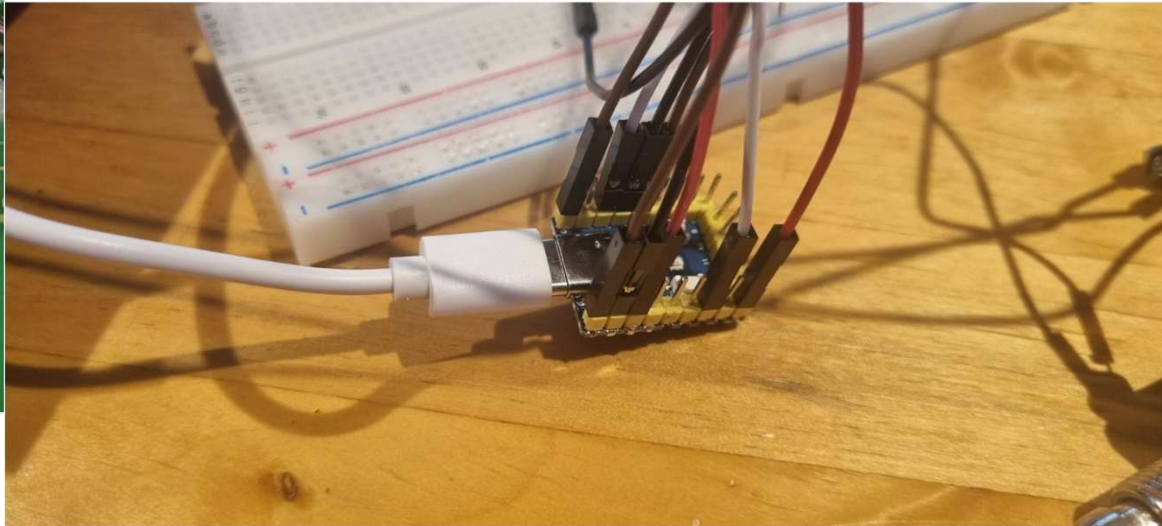
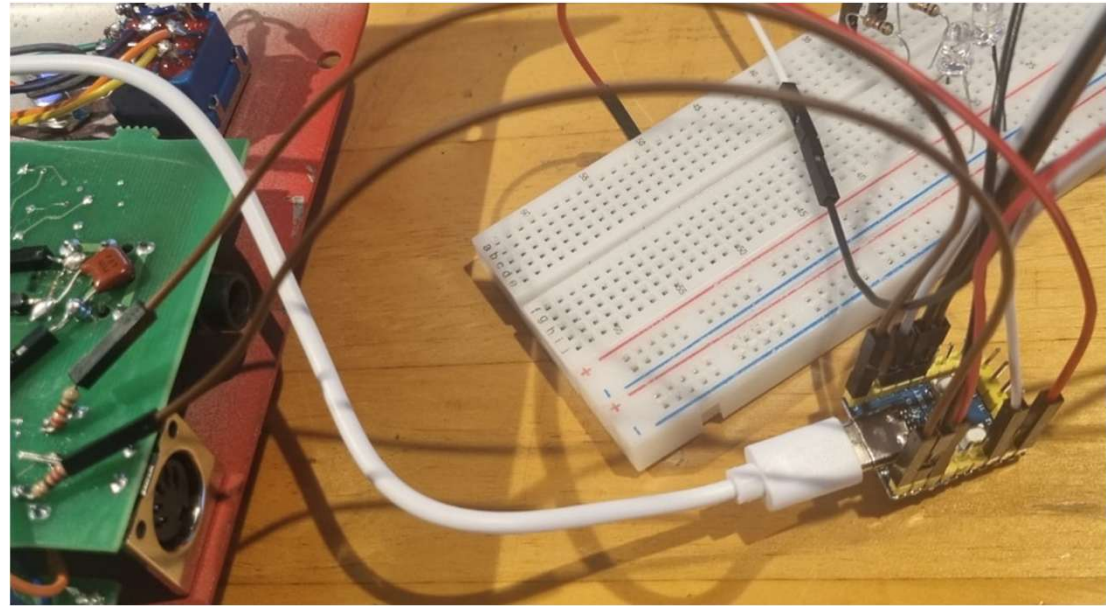
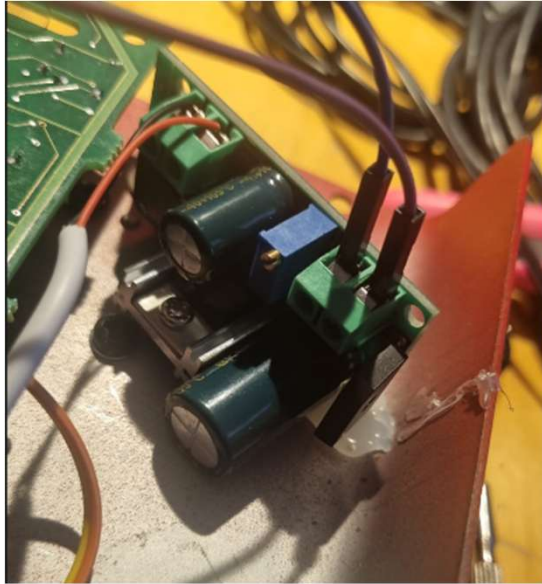
AC/DC Fullbridge

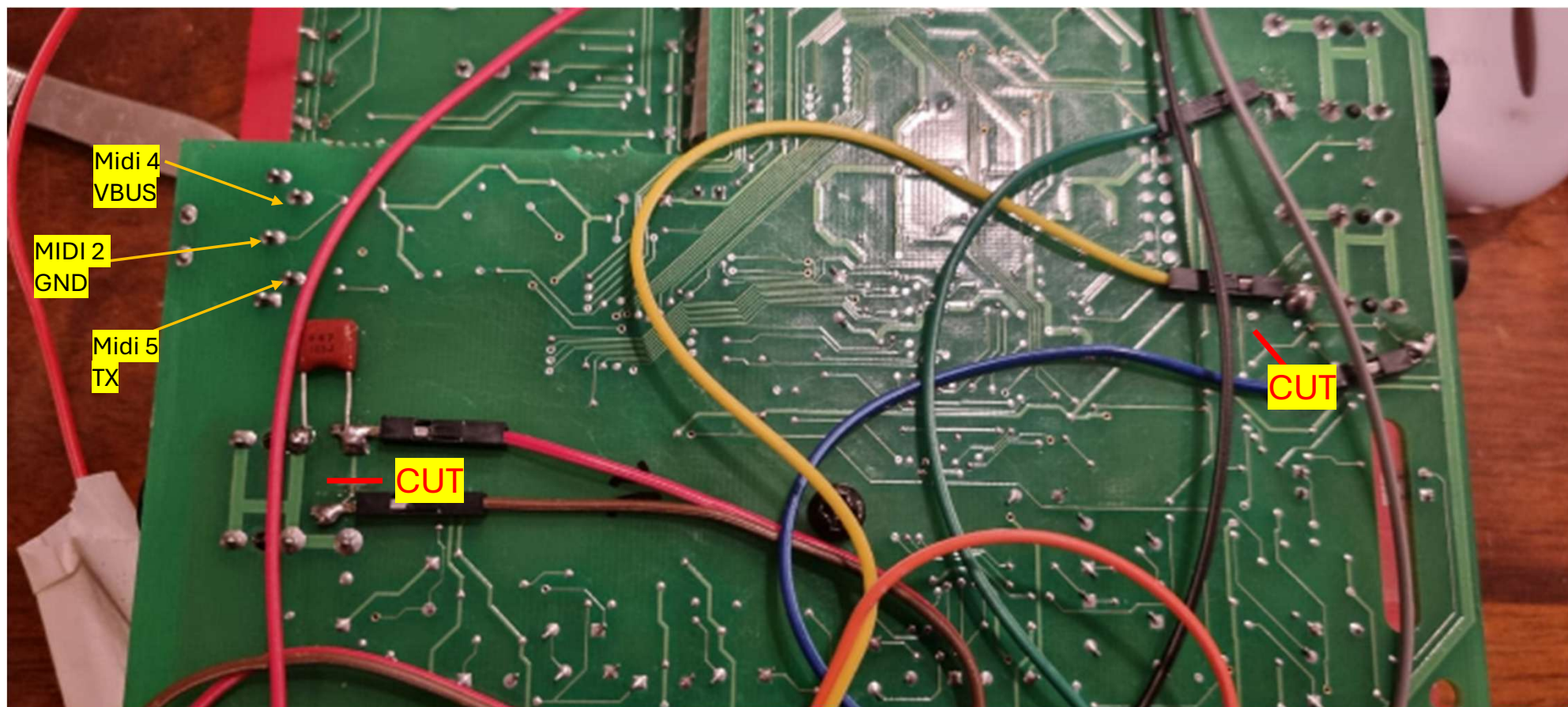
AC/DC Converter
ALTERNATIVE!!!

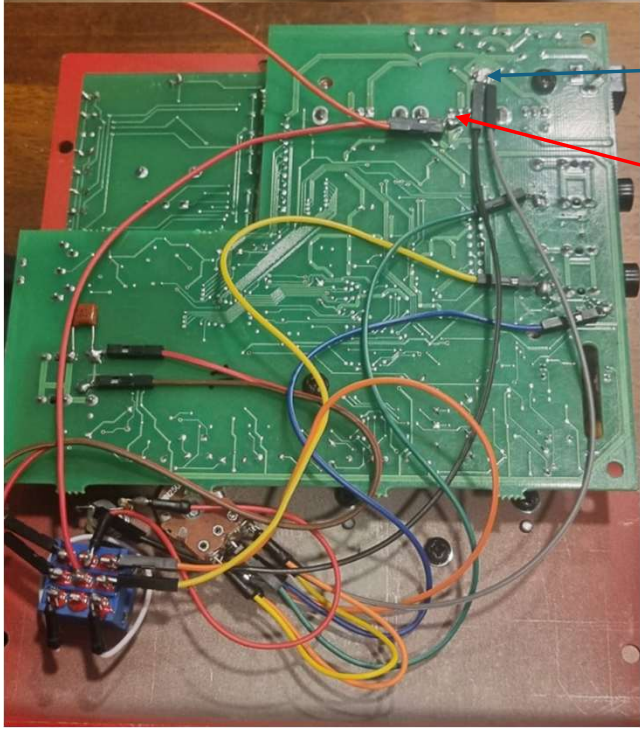
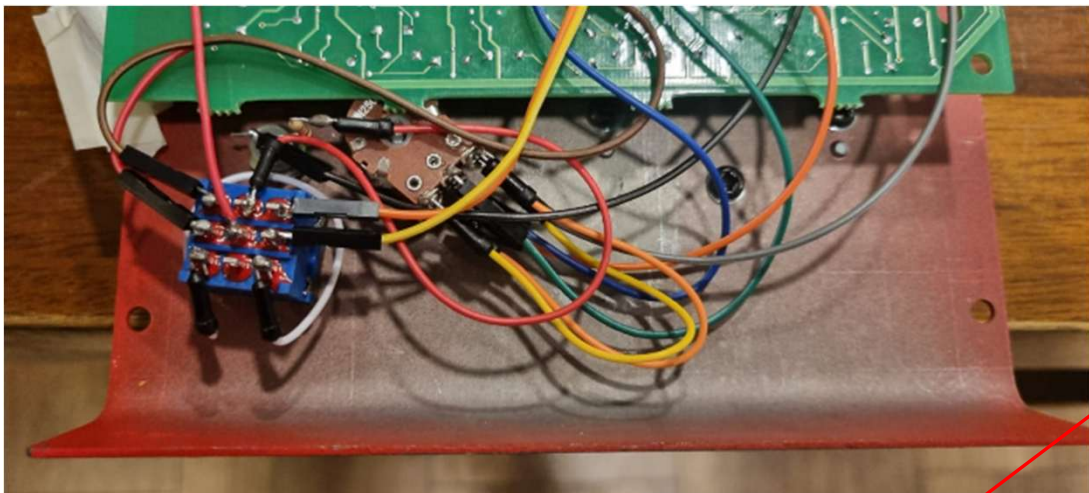


MP1584EN

Power Supply

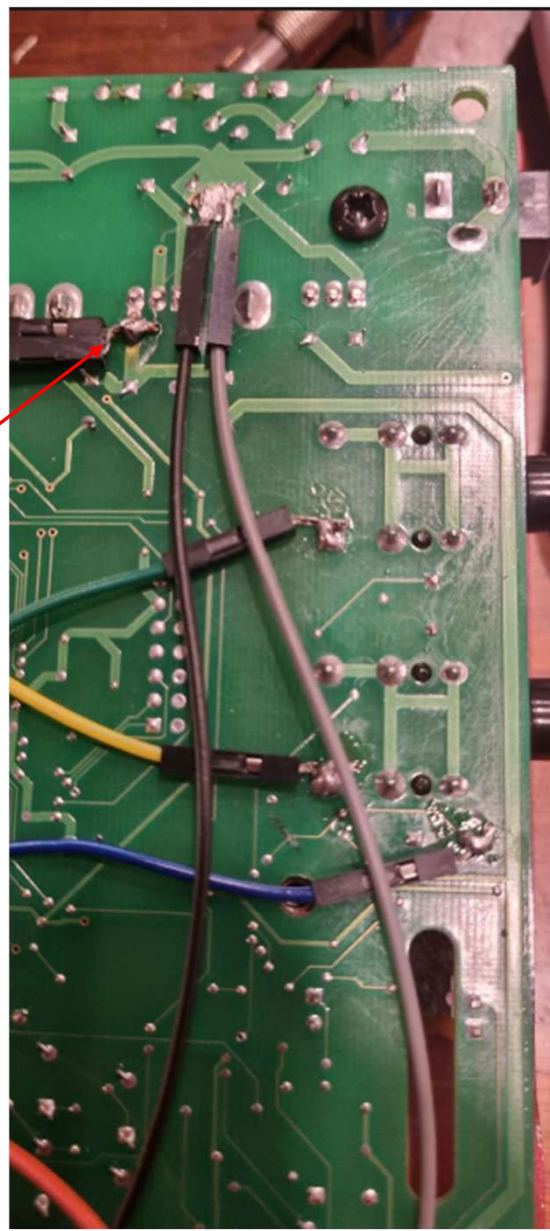


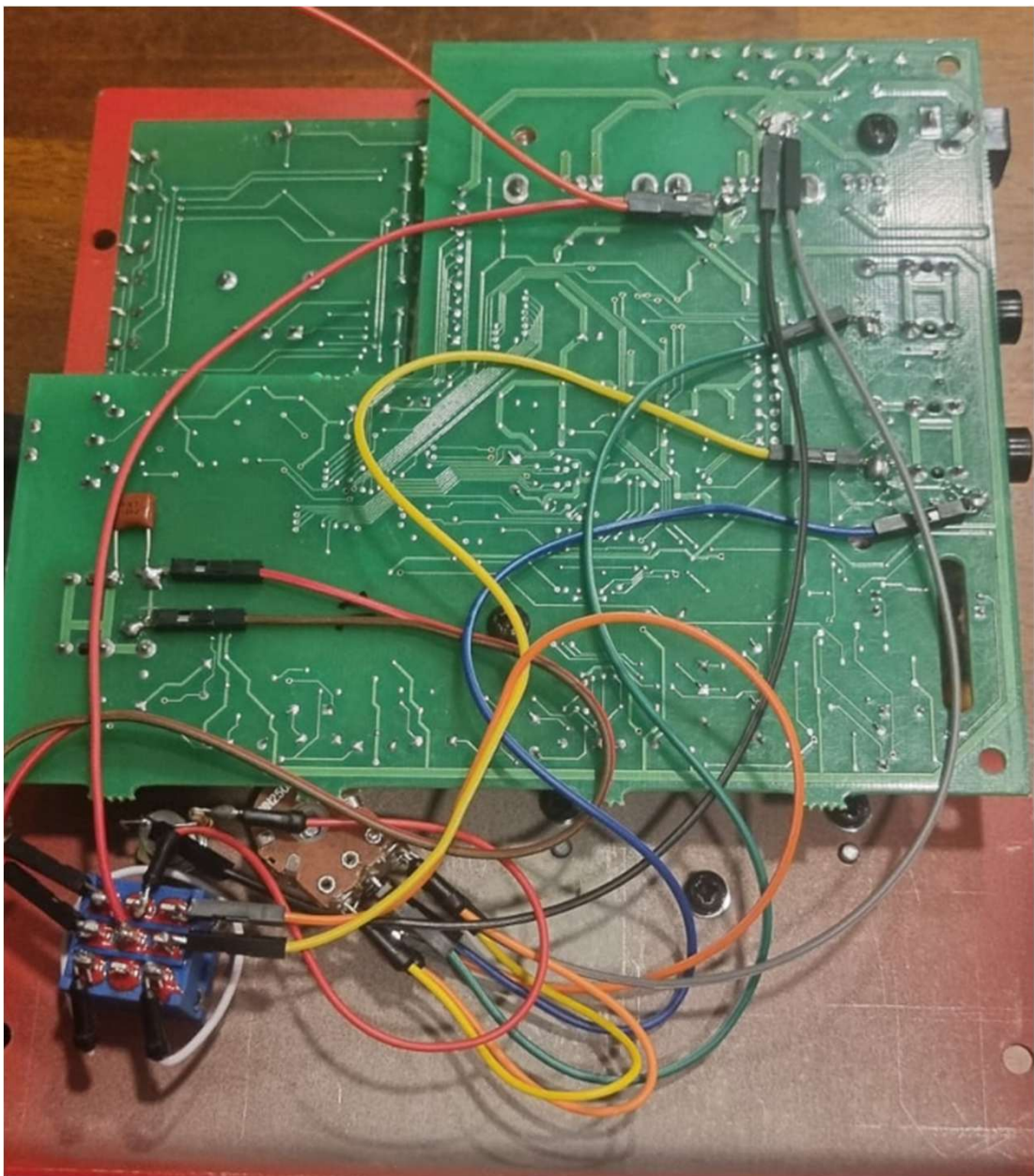




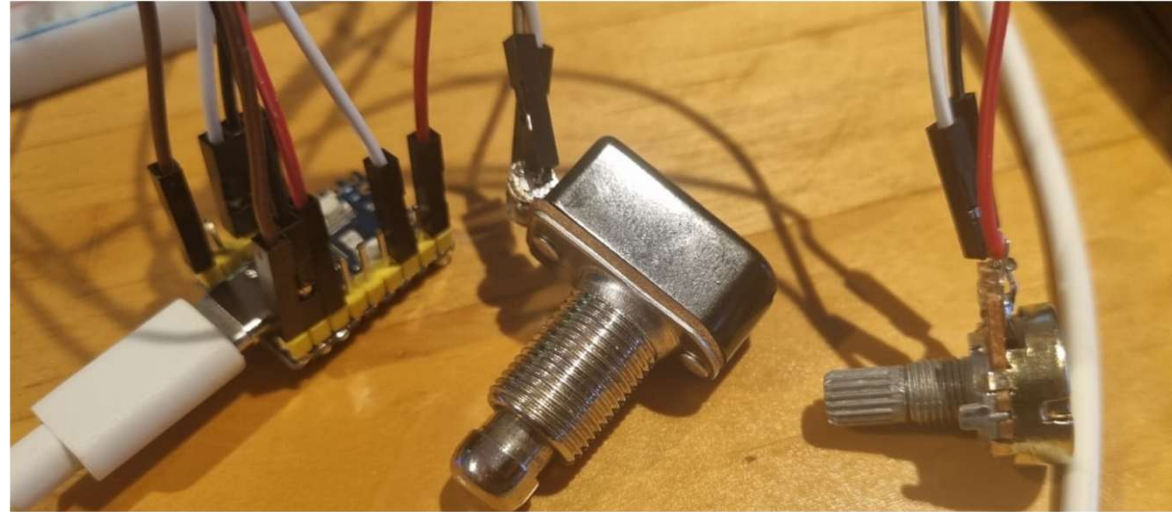
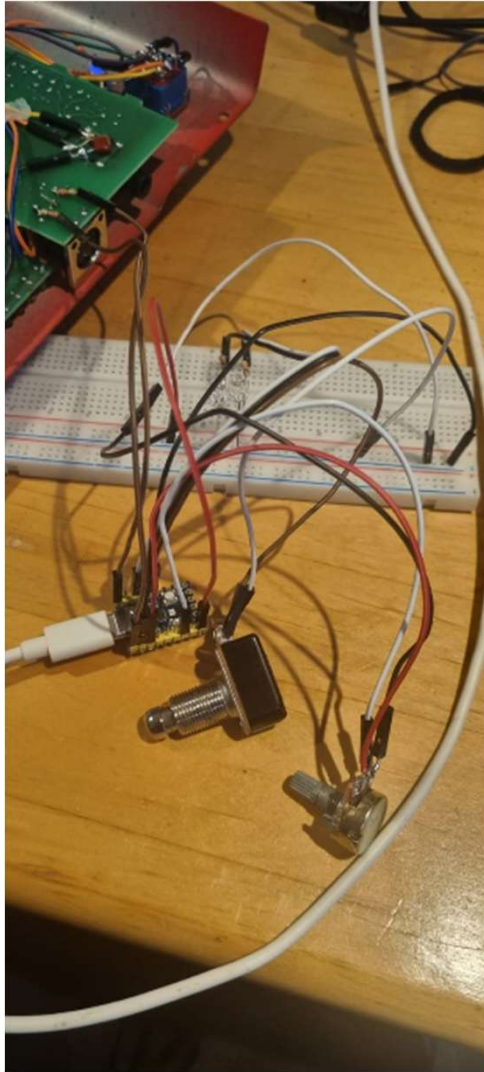
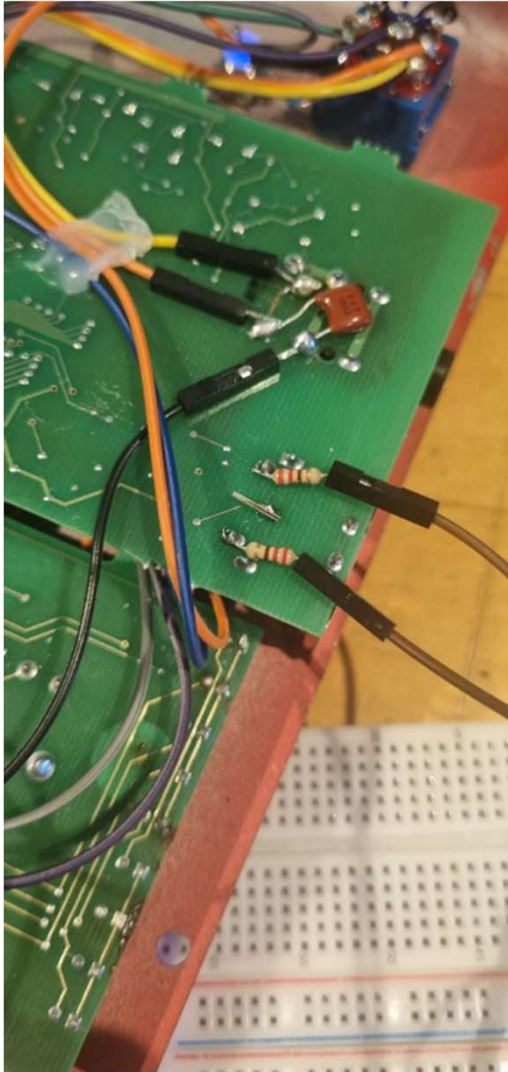
GND
HERE!!!

+5V
HERE!!!





Midi Test



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