Whammy 4 – Version 1.02

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

Calibartion

Midi Access

Shutter Speed

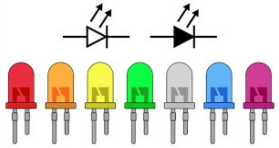
ShutterGate
/ Change Effects

Blend Mix

LED On/OFF

Effect On/OFF

Parts



1kΩ 3x

1MΩ

220Ω 2x

10nF
(optional)

Toogle Switch
Midi Access

Momantary
(Original Part)

250kΩ
Blend

3PDT

AC/DC
LM2596HV

4053BE

10KΩ

Raspberry Pi
2040 Zero

Midi Access

- Midi Access ON

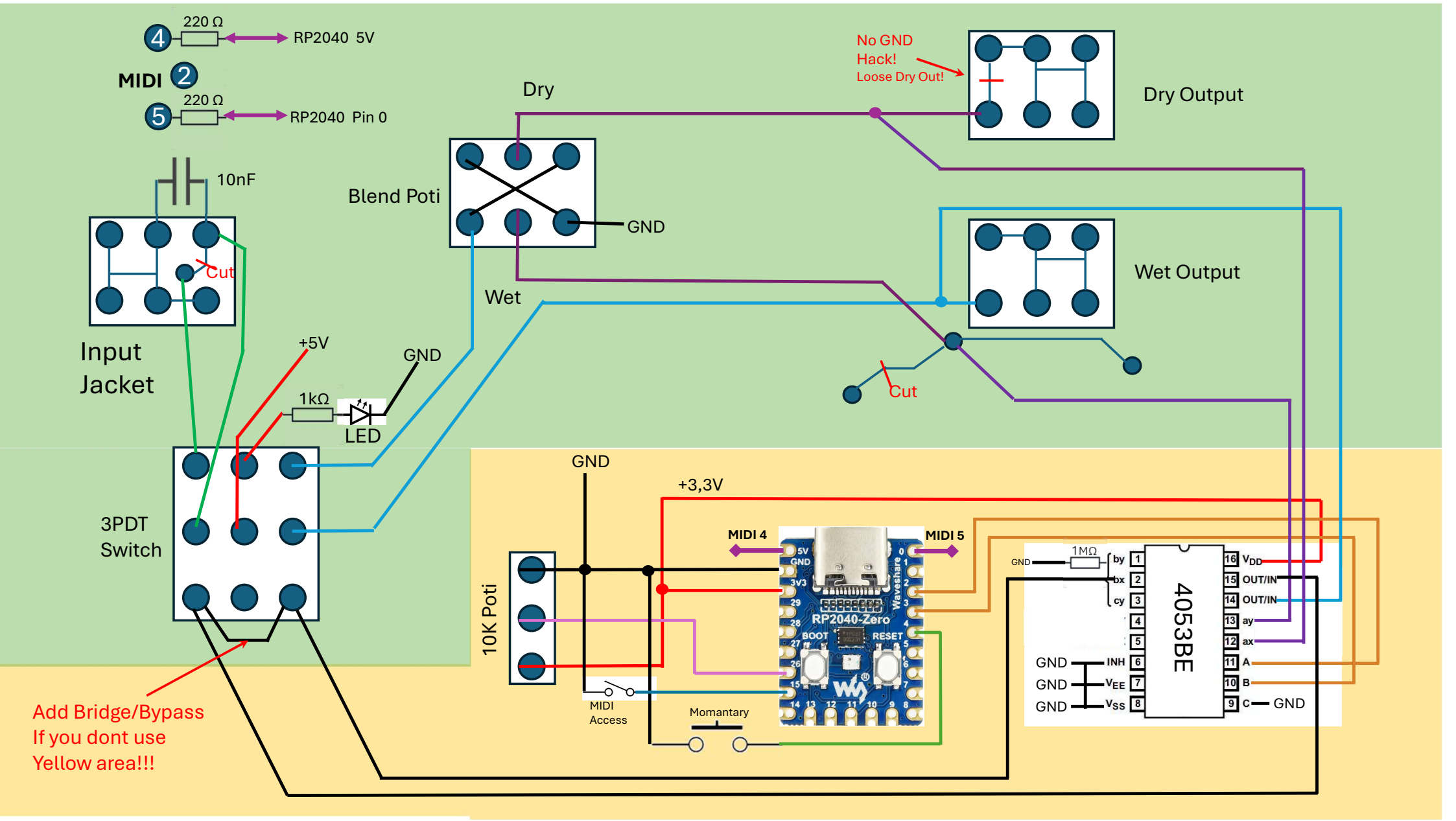
Change Effect 1/2 for Shuttergate

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

- Midi Access OFF

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

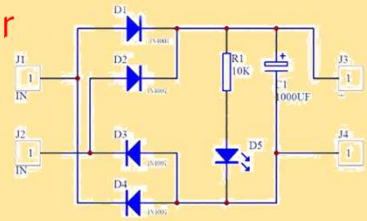
- Save after 2 sec
- Blinks 3 Times for each Effect section


4
220 Ω
RP2040 5V
MIDI
2
5
220 Ω
RP2040 Pin 0
10nF
Cut
Input
Jacket
Dry
Blend Poti
GND
Wet
No GND
Hack!
Loose Dry Out!
Dry Output
Wet Output
Cut
+5V
GND
1kΩ
LED
3PDT
Switch
GND
+3,3V
MIDI 4
MIDI 5
10K Poti
MIDI
Access
Momantary
RP2040-Zero
1MΩ
GND
4053BE
GND
GND
GND
INH
VEE
VSS
by
bx
cy
ay
ax
A
B
C
VDD
OUT/IN
OUT/IN
GND
Add Bridge/Bypass
If you dont use
Yellow area!!!

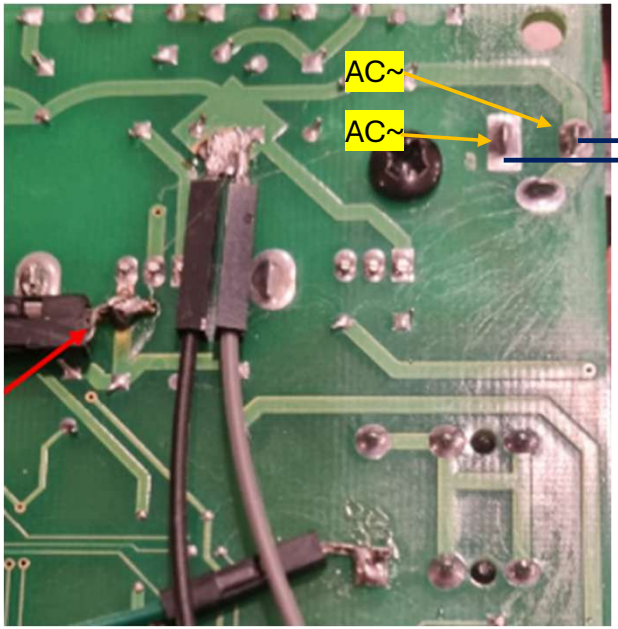
Power Supply

AC/DC Converter
ALTERNATIVE!!!

AC/DC Fullbridge



AC/DC Converter
LM2596HV



~9V

5V +/- !!!

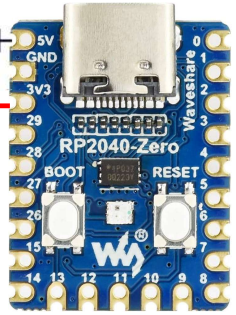
MP1584EN

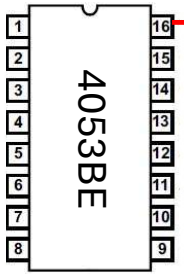
USB Type-C

+3,3V

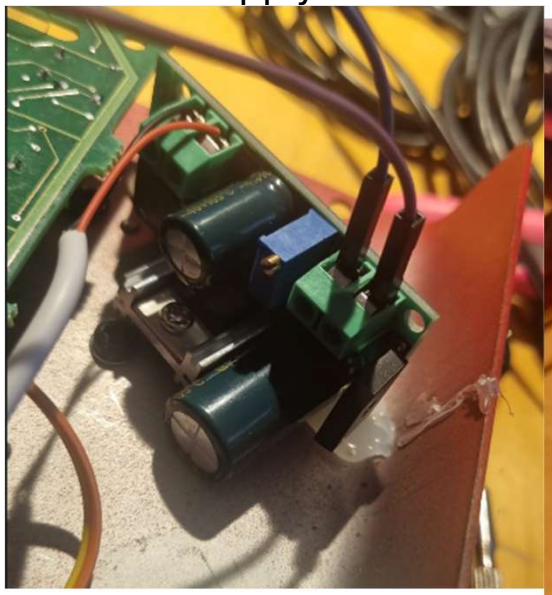
220 Ω

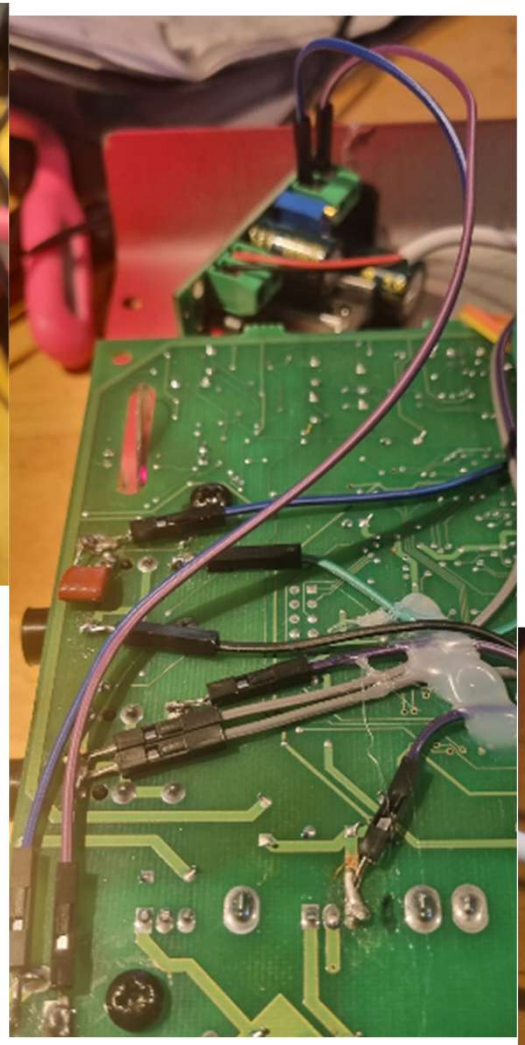
4

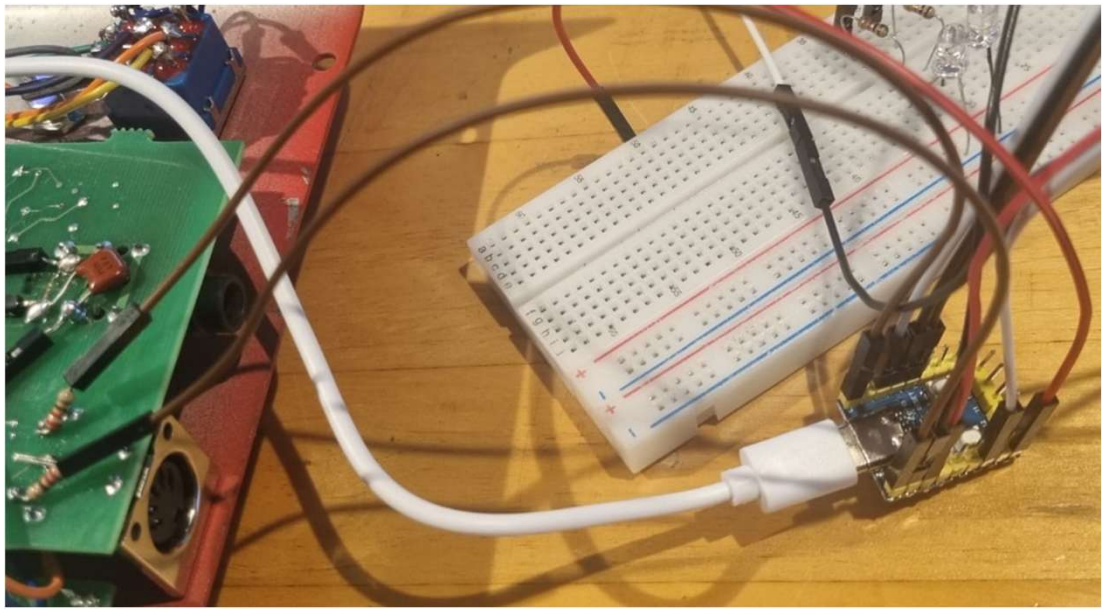


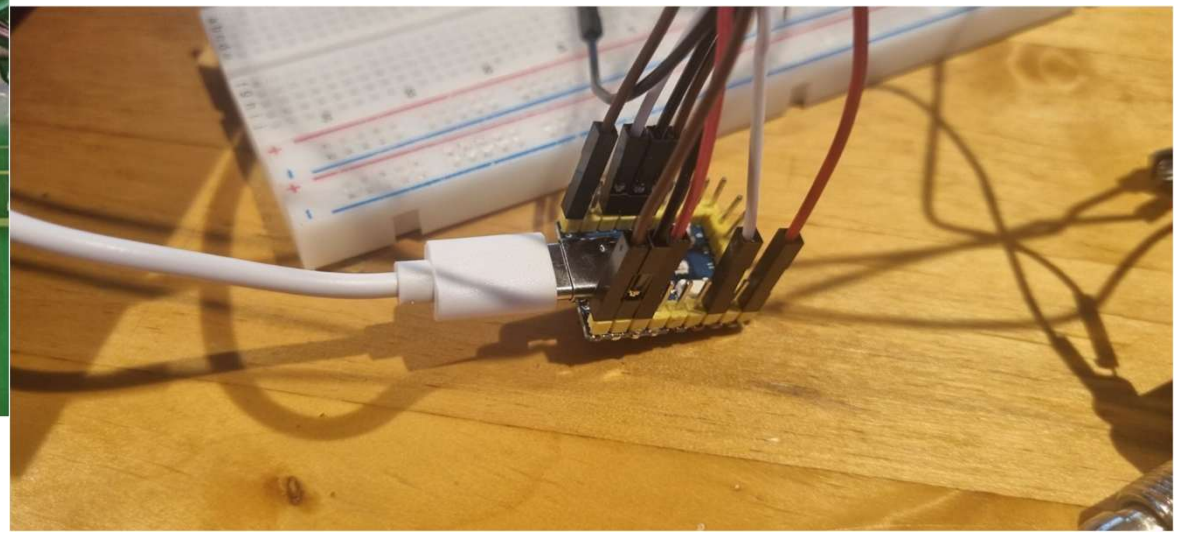


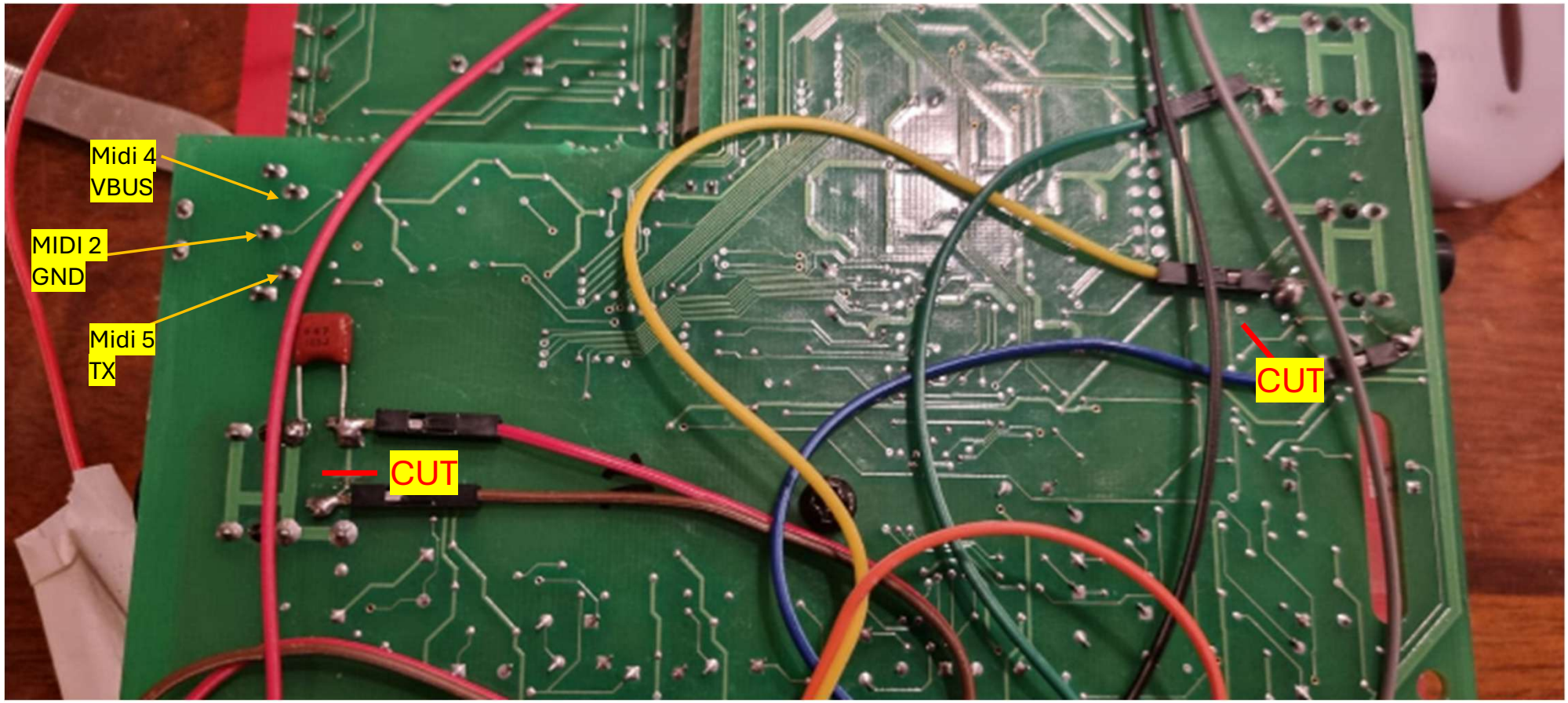
Power Supply

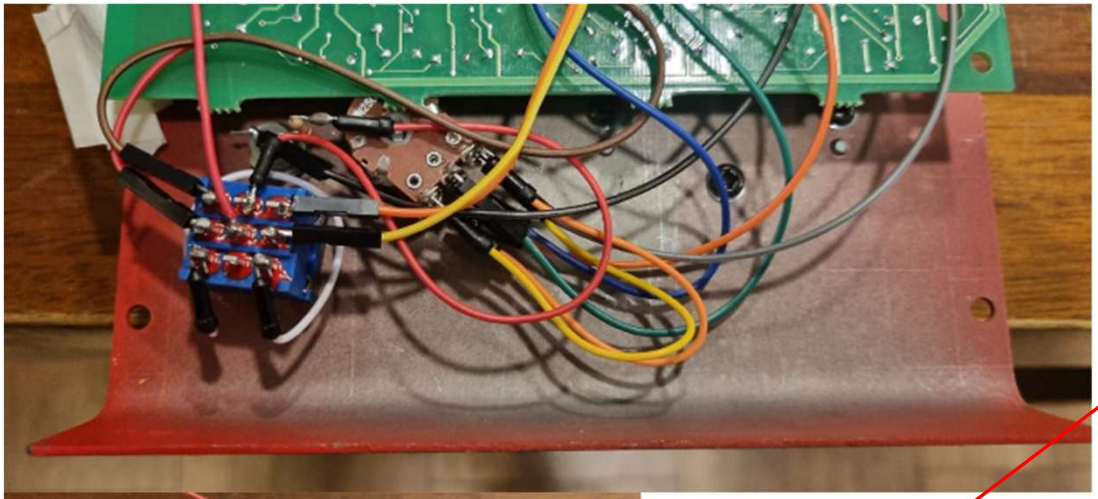


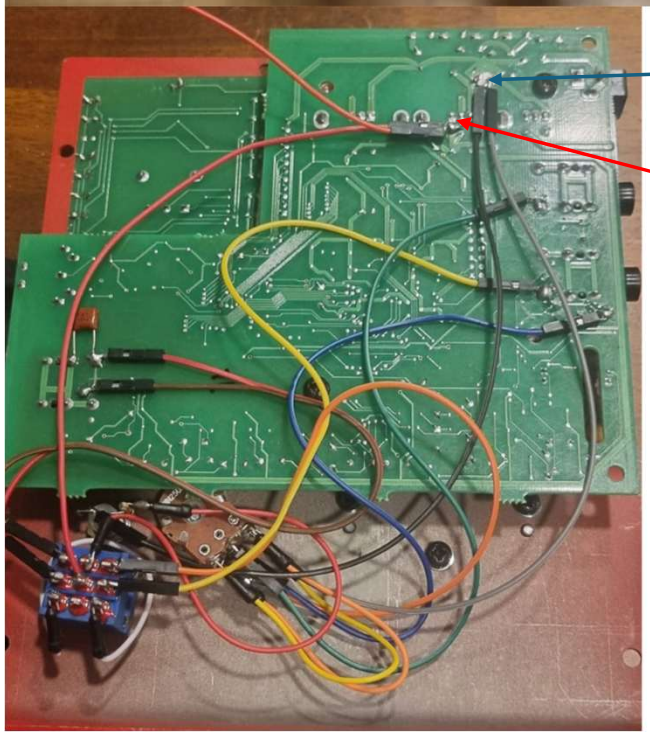






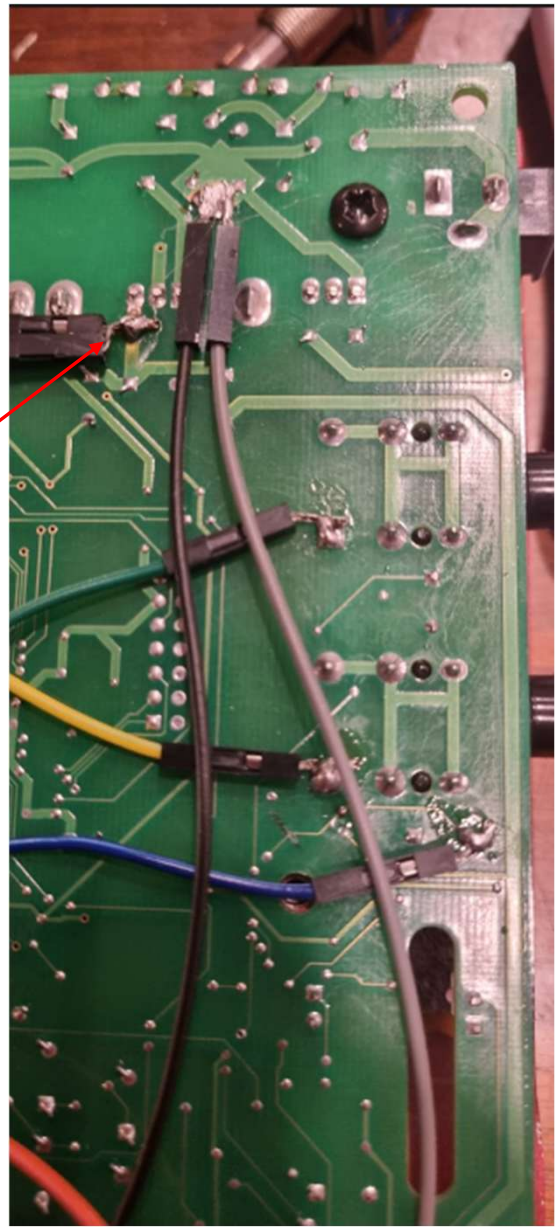

Midi 4
VBUS
MIDI 2
GND
Midi 5
TX
CUT
CUT

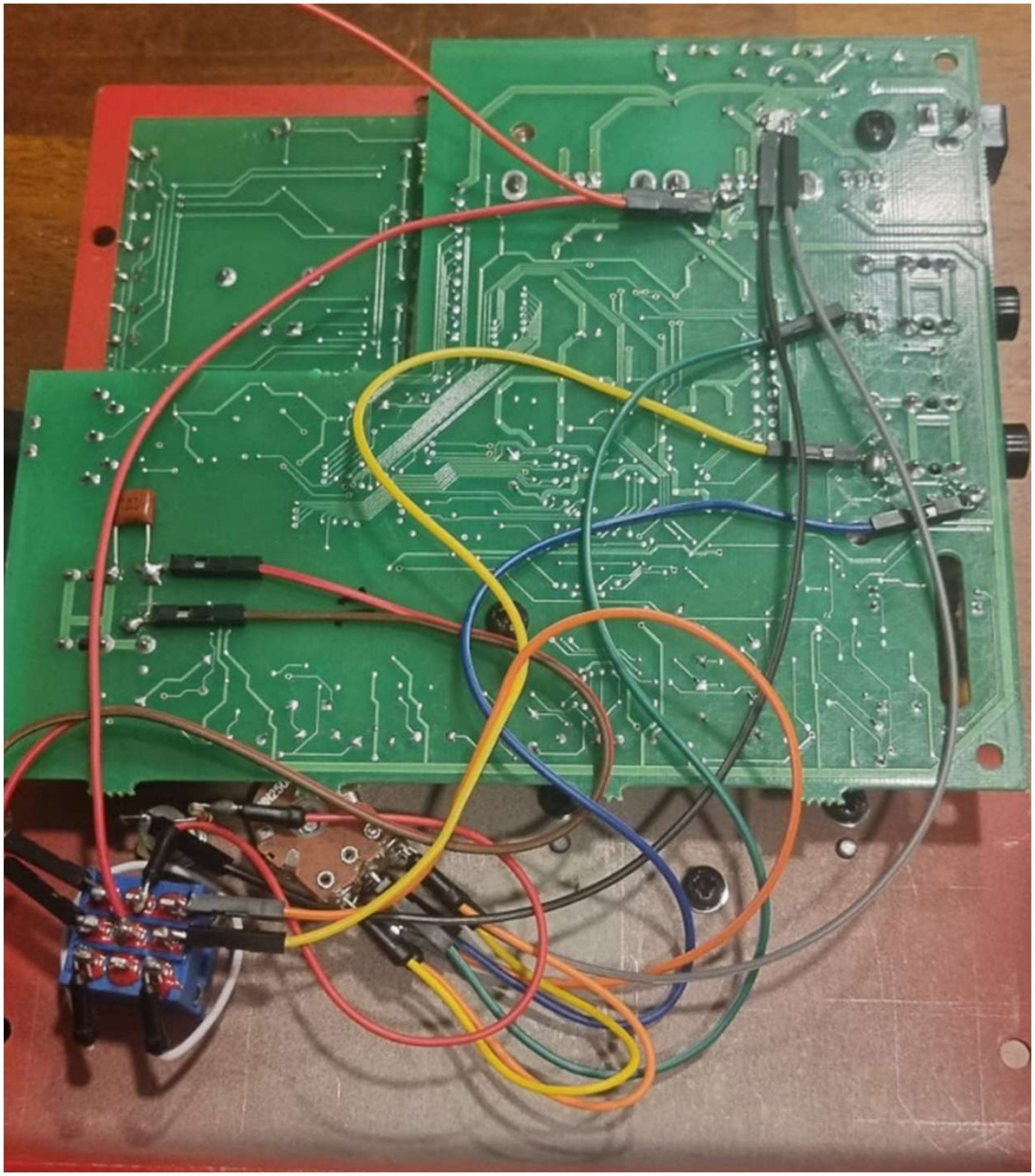




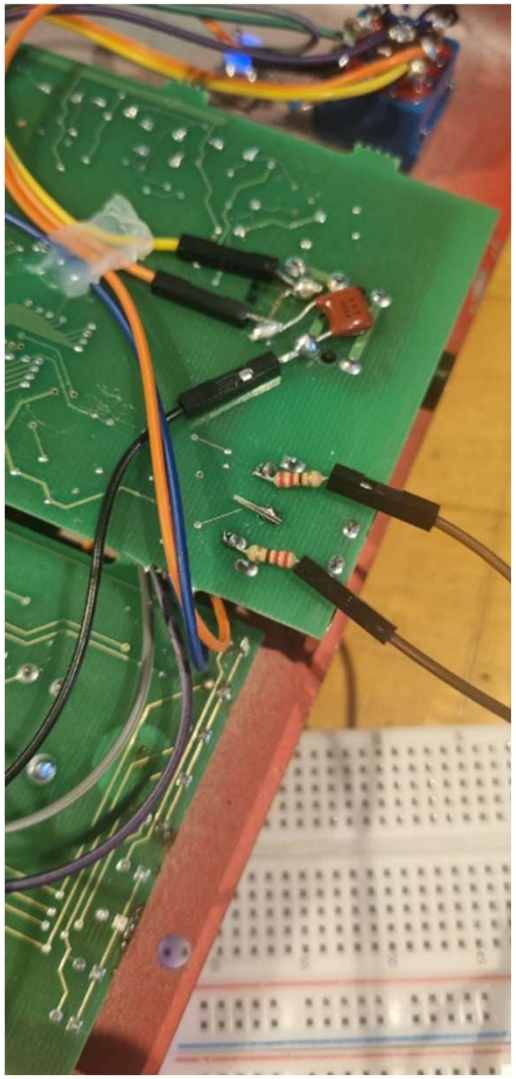
GND
HERE!!!

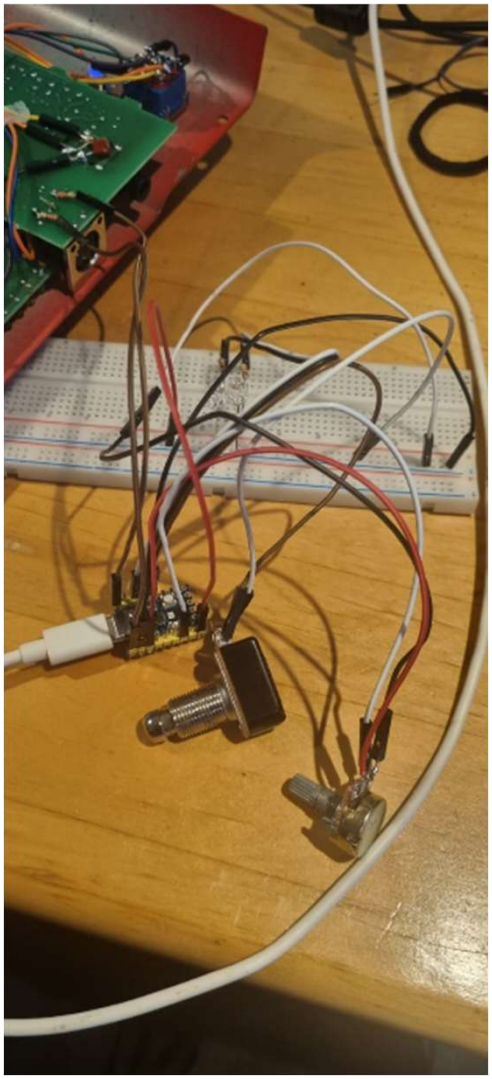
+5V
HERE!!!

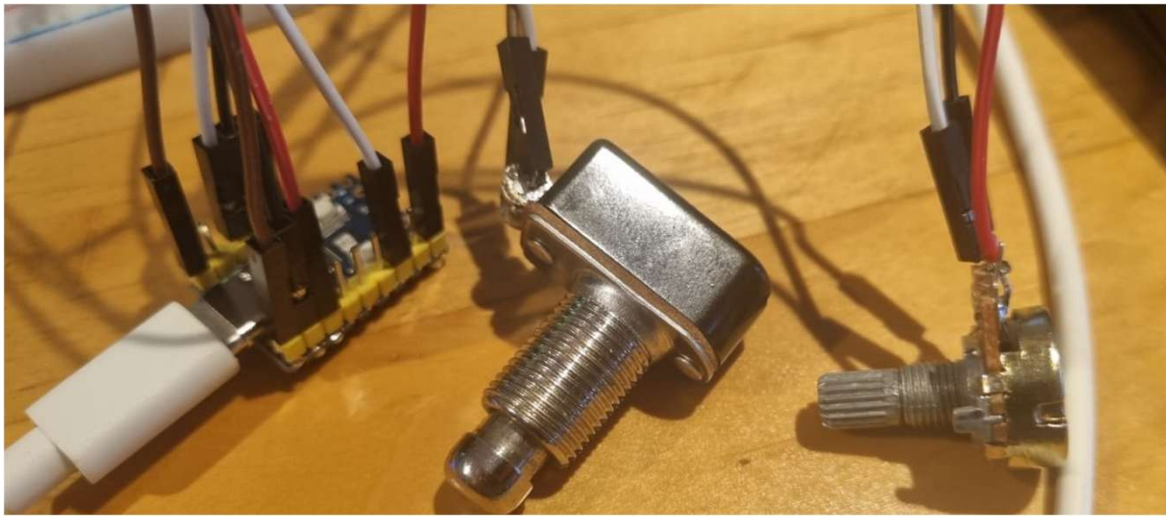




Midi Test







https://youtube.com/shorts/wjgEext1rCg

- 2 combinable effect presets