

# AMP-Midi-Controller

Works with all Amps with a real Midi Support.  
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Midi-maps of this amps are includet:

•ENGL:

- Savage 120 Mark II
- Savage 60 Mark II
- Ironball SE
- Powerball II
- Special Edition E670 / E670FE
- Invader II
- Invader 150 (E646)

•Diezel:

- VH4 / VH4S
- Herbert (MK I & II)

•Mesa/Boogie:

- JP-2C (John Petrucci Signature)

•Hughes & Kettner:

- GrandMeister Deluxe 40

•Revv:

- Generator 120 Mark III
- D20 / D20+

•EVH:

- 5150 III (50W EL34 / Stealth)

•Marshall:

- JVM410 (via MIDI Learn Mapping)

•Victory:

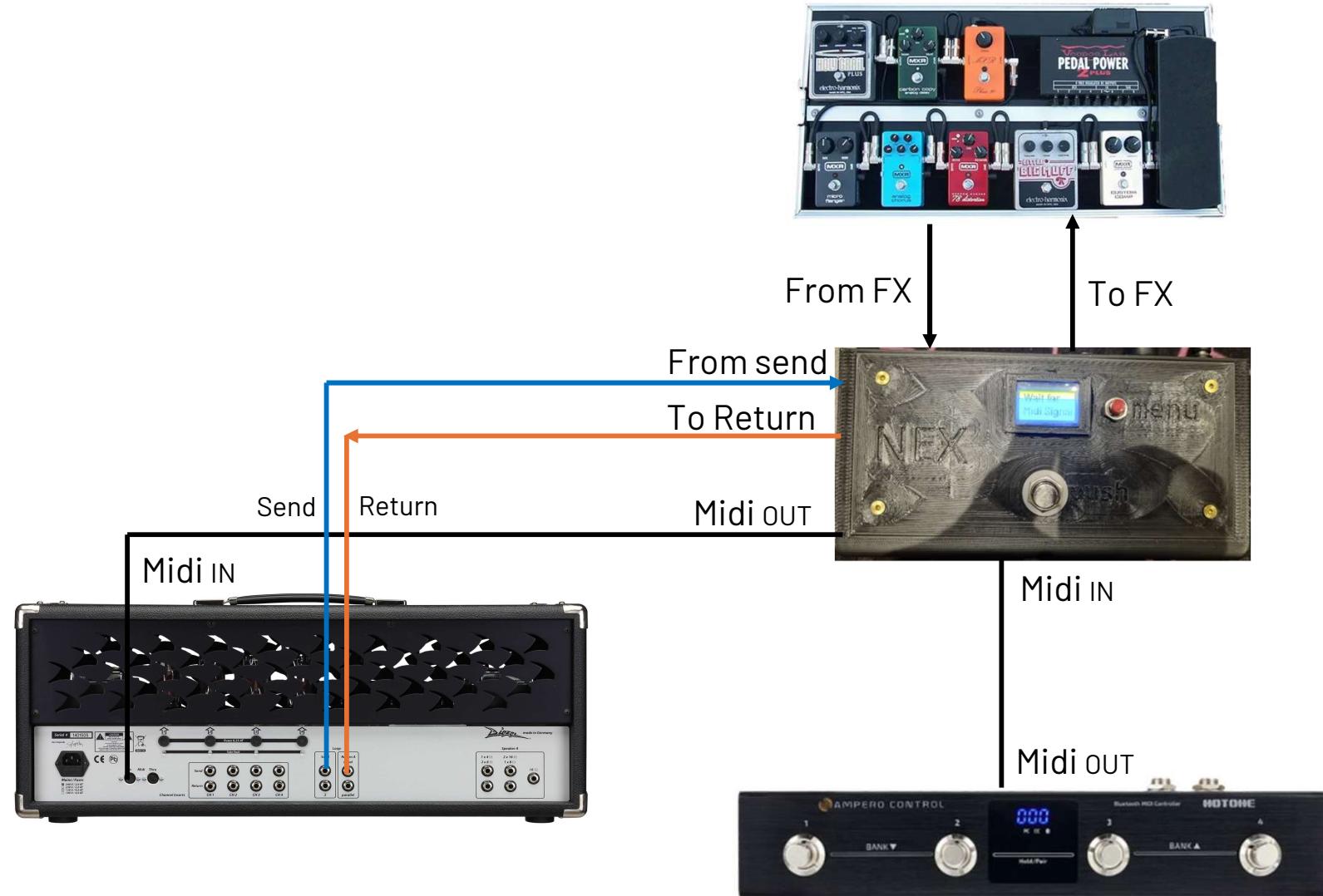
- V4 The Kraken

•Blackstar:

- Series One 100 / 200

•Modeler (Basis-Maps):

- Fractal Audio Axe-FX III / FM9
- Line 6 Helix Rack / Floor
- Headrush Pedalboard / Gigboard



## Hardware Parts



DC Input-  
Jacket



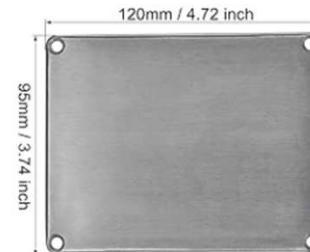
LM2596 **x1**  
Alternativ:  
MP1584EN



Raspberry Pi 2040  
Zero **x1**



SPST Momentary,  
NO  
**x1**



**3D Print**  
OR  
CASE /  
BOX **x1**



6,35mm **x4-6**



Midi 5-POL -Jacket  
**x2-3**

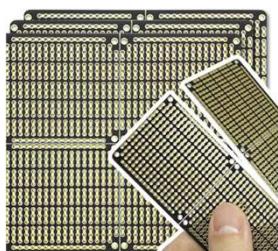


SPST Momentary,  
NO  
**x1**



**SSD1306 OR**  
**SSD1315**  
O-LED  
I<sup>2</sup>C !!!

## Electronic Parts



IC Socket, 8 , 14 ,10  
PINS



Electro Cookie PCB



100 nF



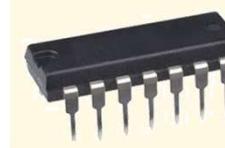
6N137 **x1**



100 uF

47 uF

10-22 uF



74HC14 **x1**

Optional Only for THRU OUT



1 MΩ 4x

1 kΩ 0 4x

220Ω 4x

4,7 kΩ 1x

47 kΩ 1x



NPN  
BC547 **x3**



B0505S-1W  
**x1**



1N4001 **x1**



1N4148 **x1**



TQ2-L2-5V  
**x1-2**

# Tools



Solder Station



Drill Set



Copper Tape

EMV-Shield Inside Body



3D Printer (optional)

Hot Glue



Audio Wire

## **Order List**

<https://www.amazon.de/dp/B0D3D5YB7G>

<https://www.amazon.de/dp/B0DGKQH5QF>

<https://www.amazon.de/dp/B0CPSKSFZM>

<https://www.amazon.de/dp/B0D3DG8M6J>

<https://www.amazon.de/dp/B0DXDVL1PF>

<https://www.amazon.de/dp/B0DRCSM7D1>

<https://www.amazon.de/dp/B0D1Q6P6WK>

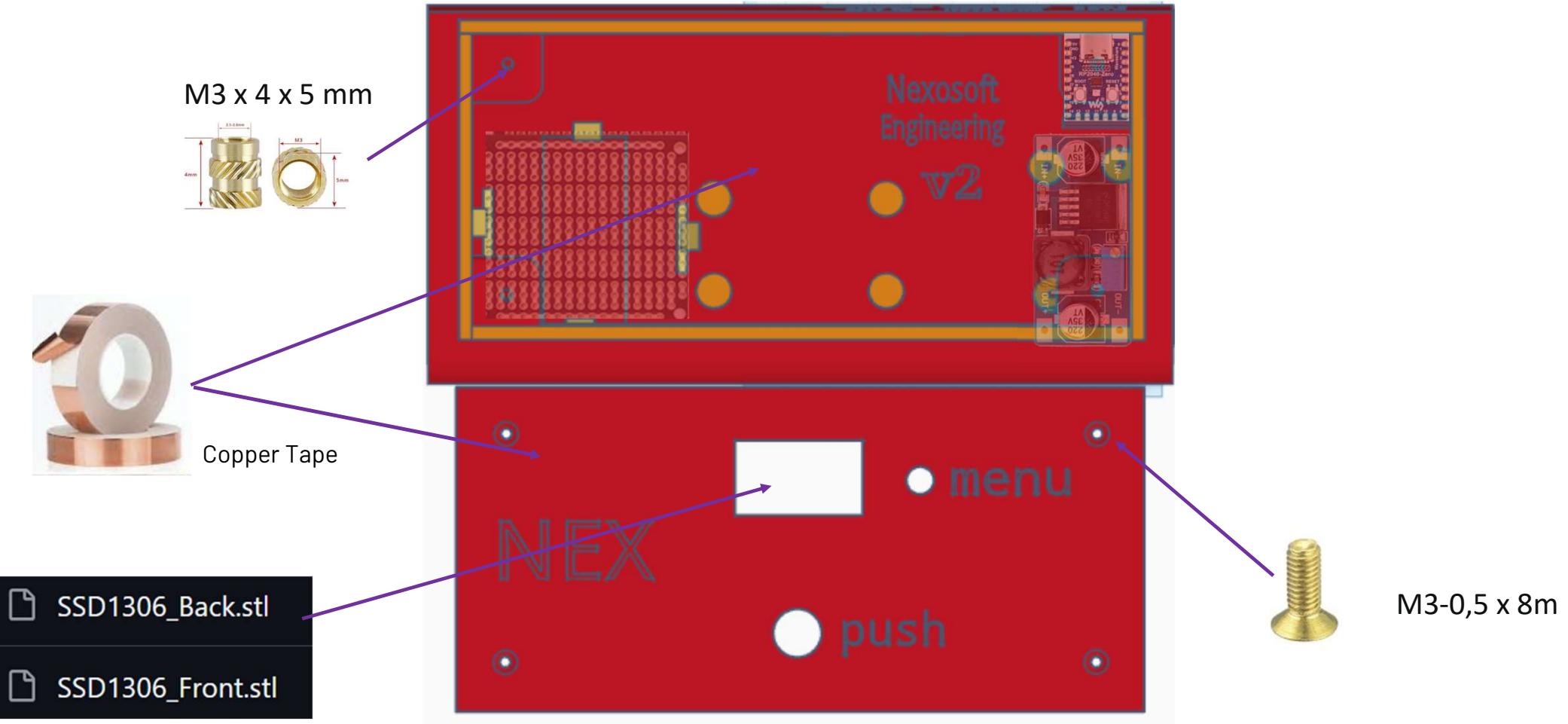
<https://www.amazon.de/dp/B0BN1VYW3X>

<https://www.amazon.de/dp/B0BN1NKWYZ>

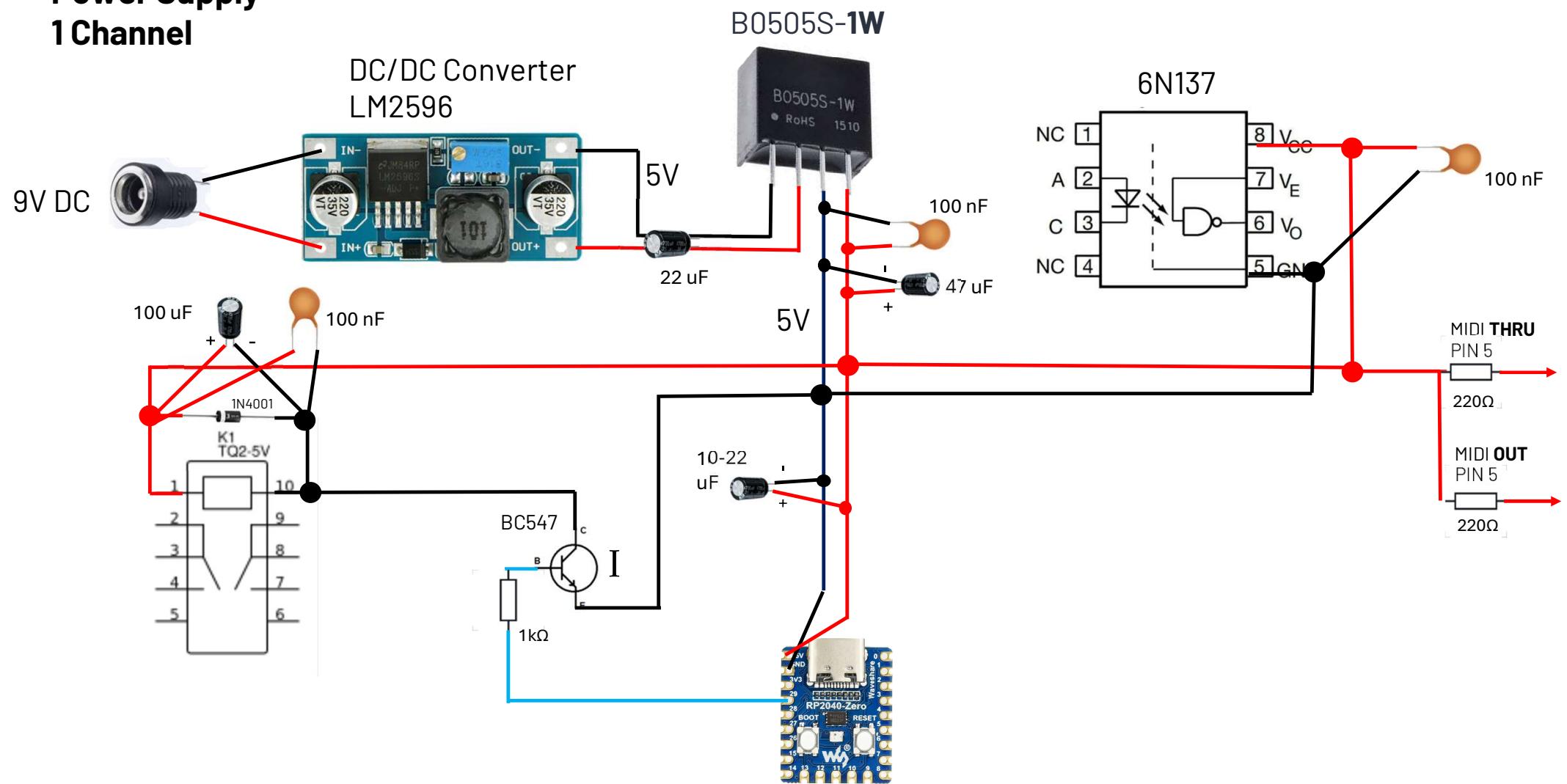
<https://www.amazon.de/dp/B0CTM58CLJ>

<https://www.amazon.de/dp/B08HQ7K6M7>

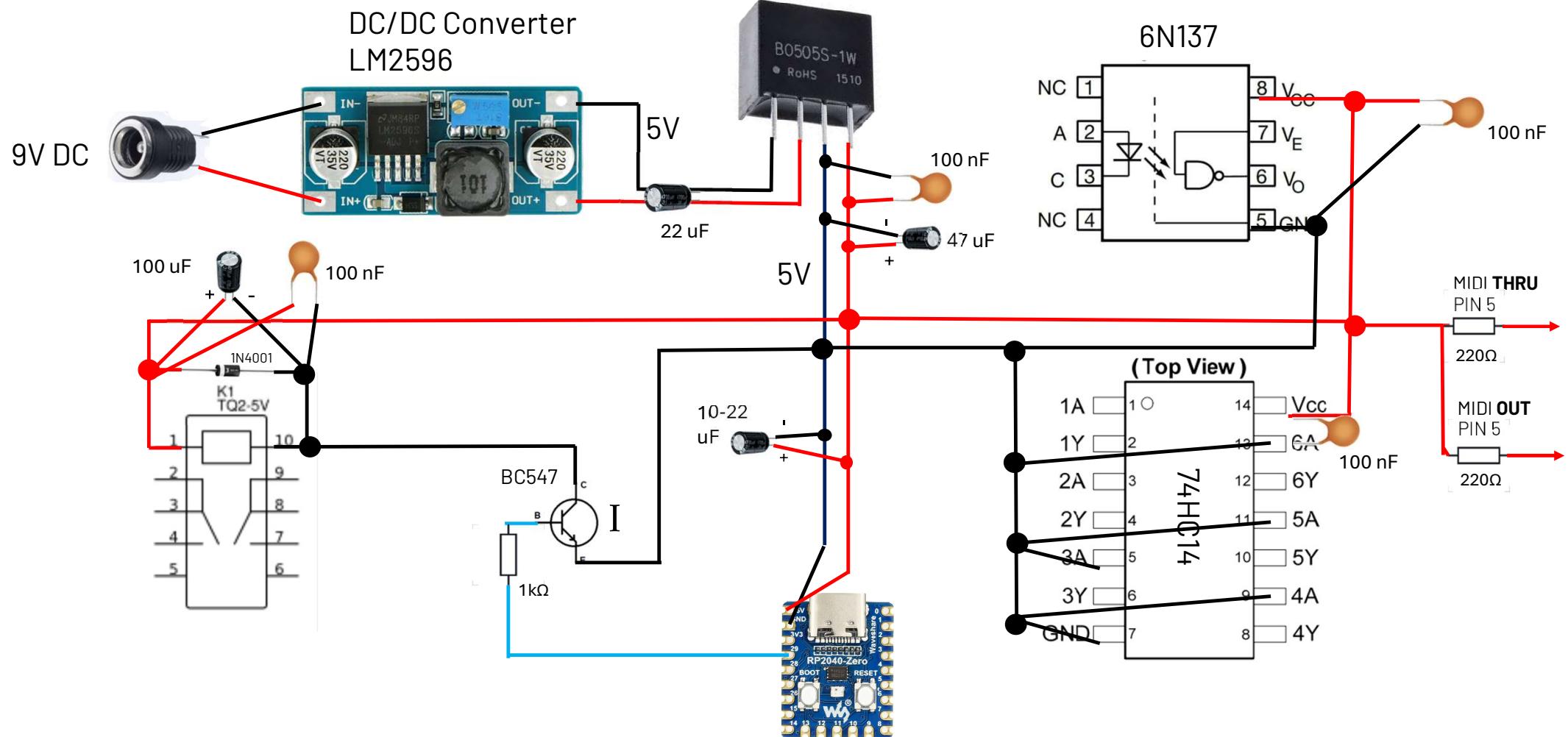
## Body - 1FX



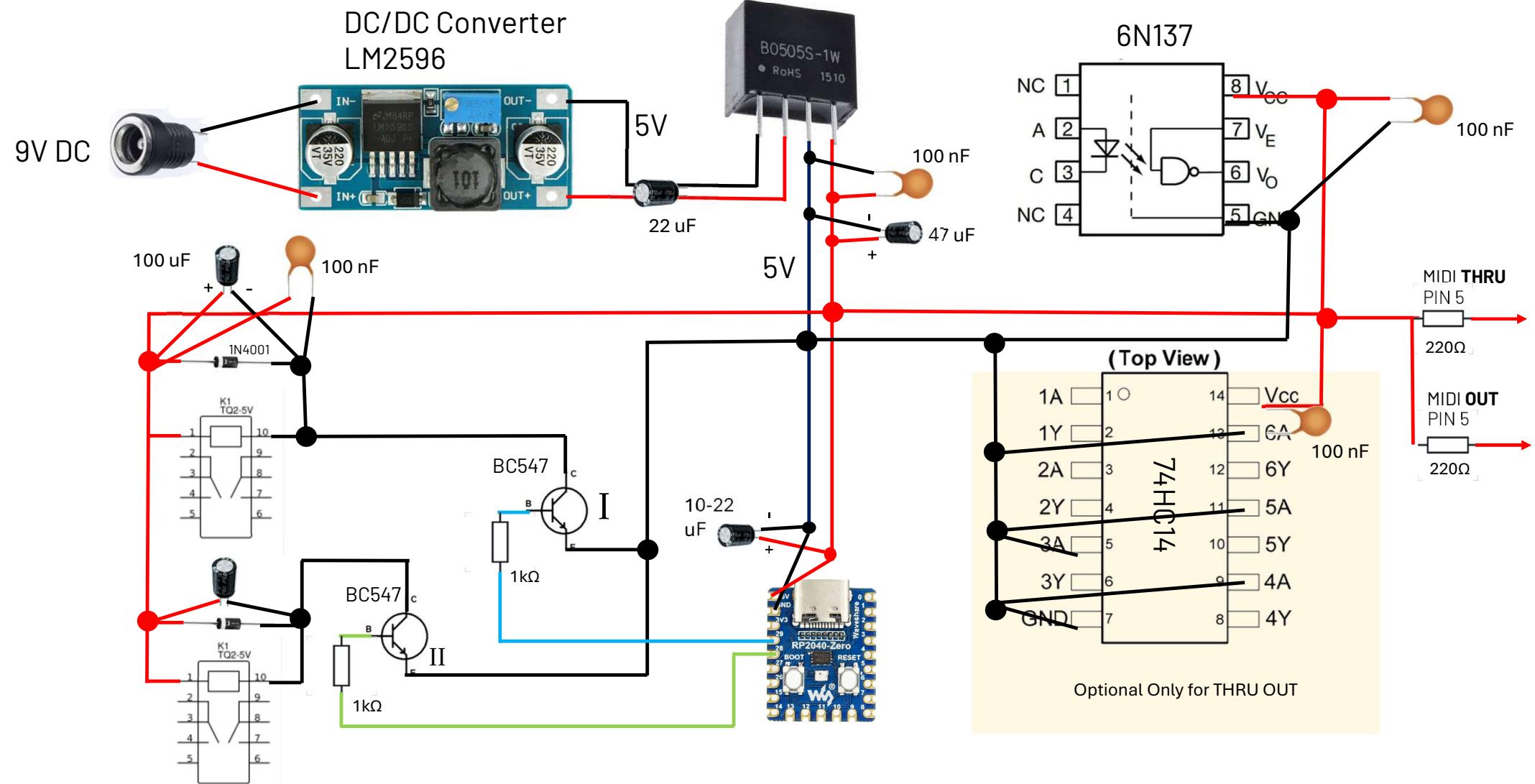
# **Power Supply - 1 Channel**



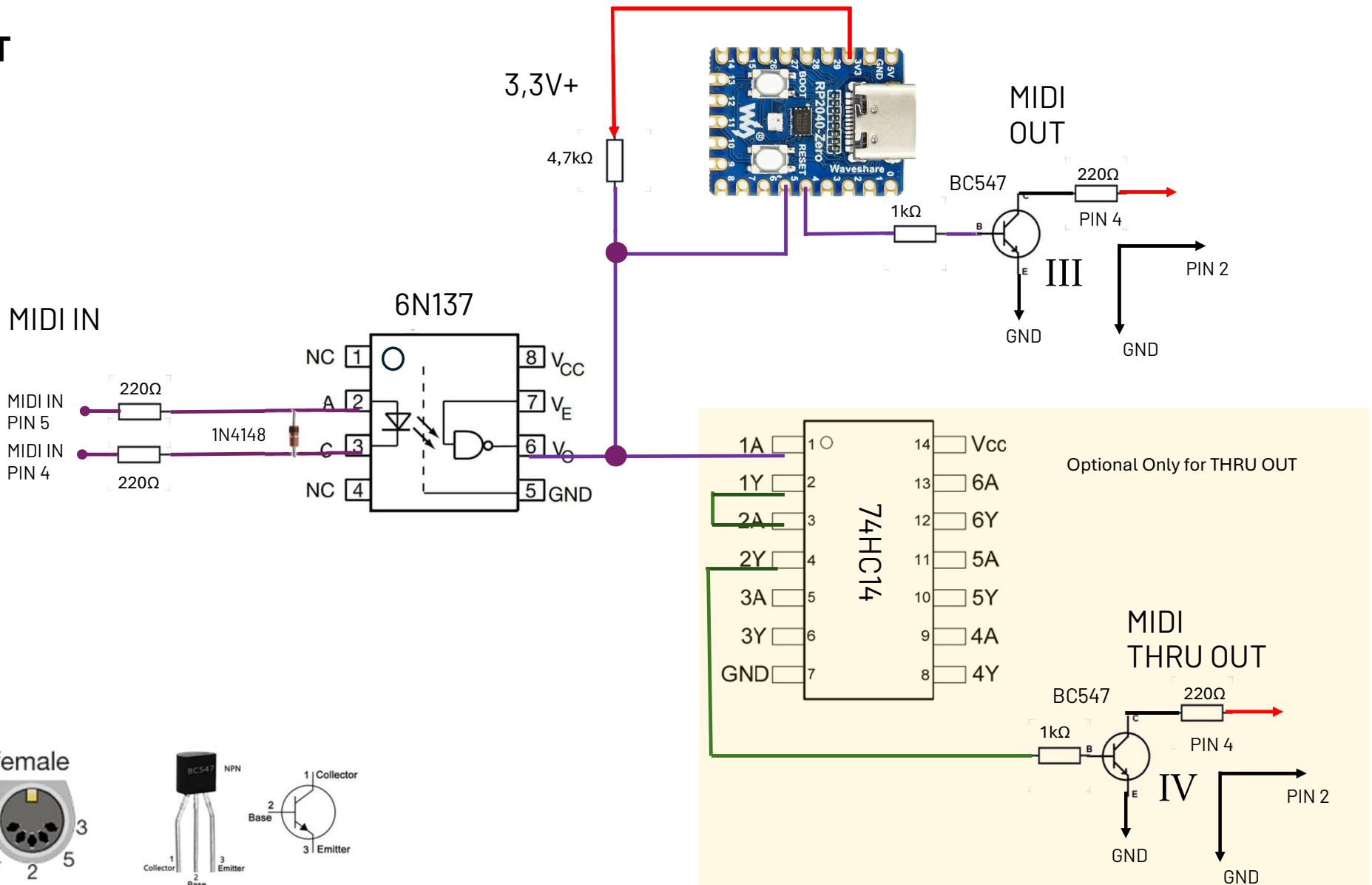
## Power Supply - 1 Channel - Thru Out



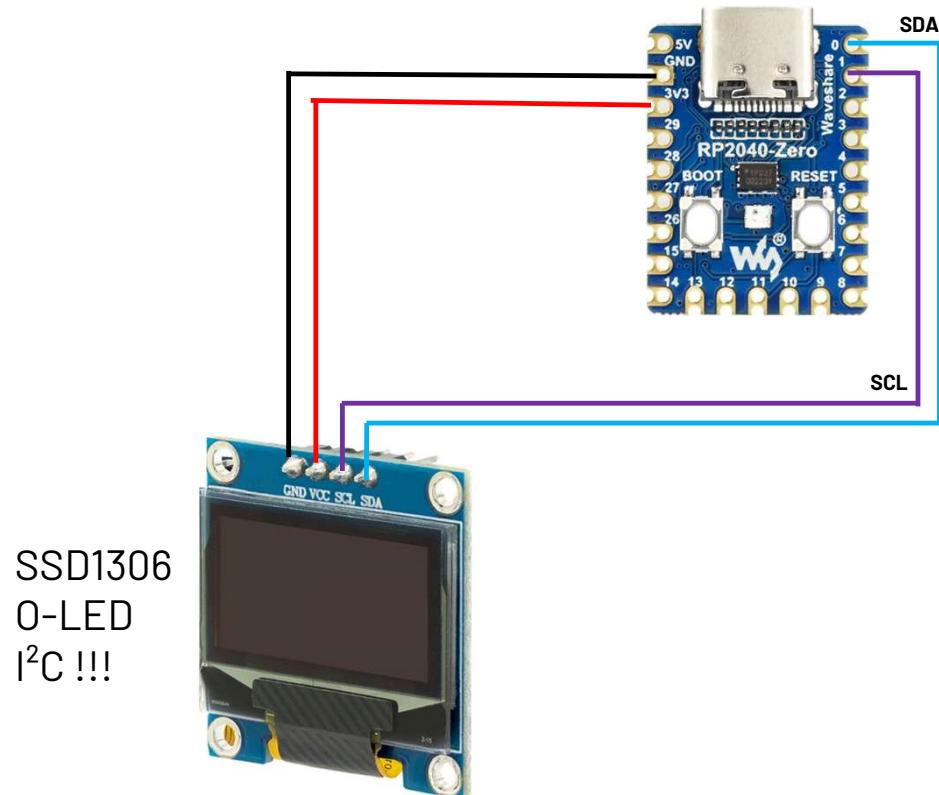
## Power Supply - 2 Channel - Thru Out



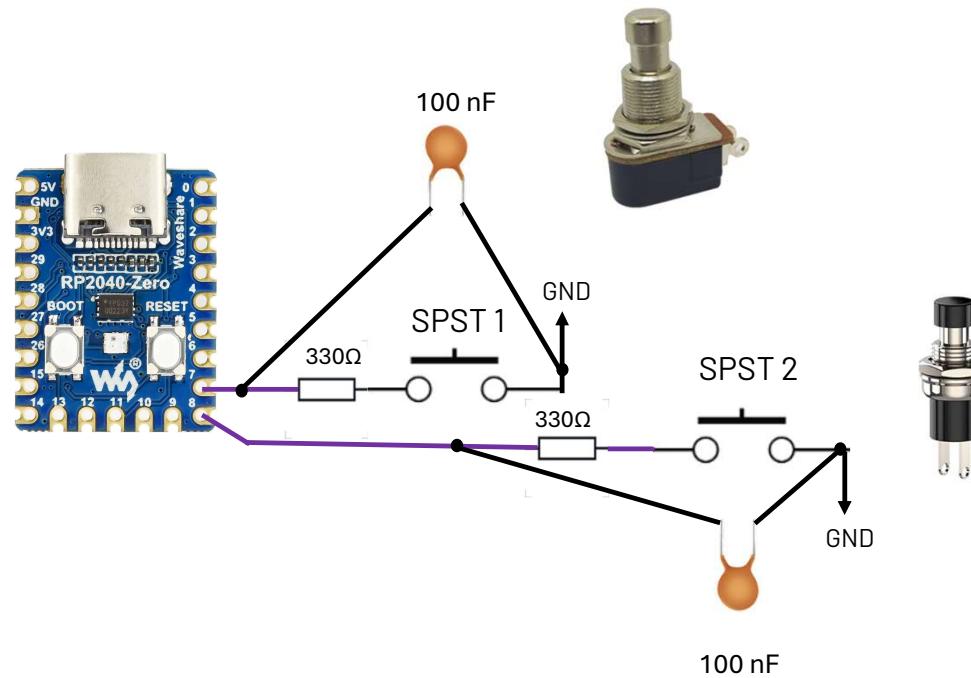
## Midi IN/OUT



## Display



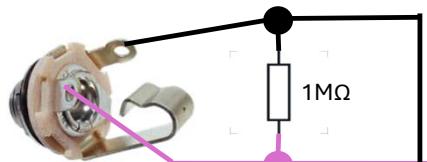
## Foot Switches



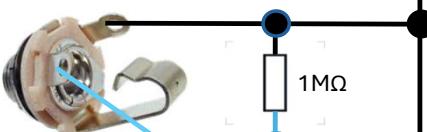
# Loop FX

1 Channel

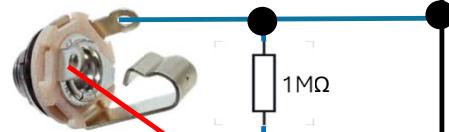
FROM SEND



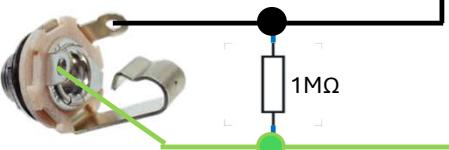
TO RETURN



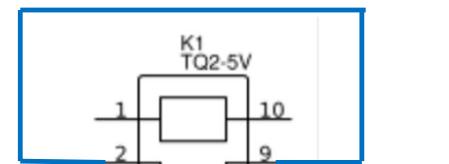
FROM FX



TO FX



True Bypass



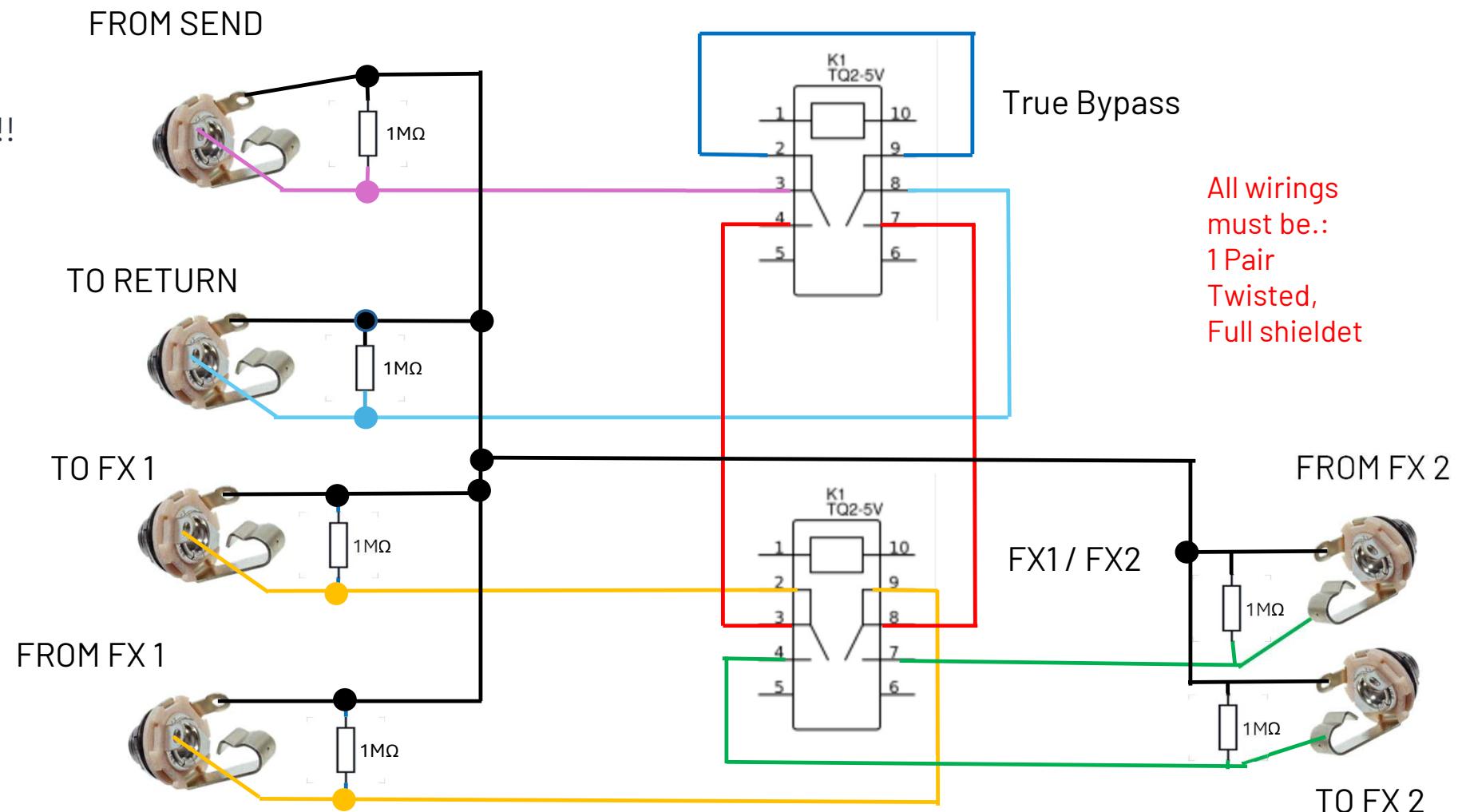
TQ2-L2-5V

All wirings  
must be.:  
1 Pair  
Twisted,  
Full shielded

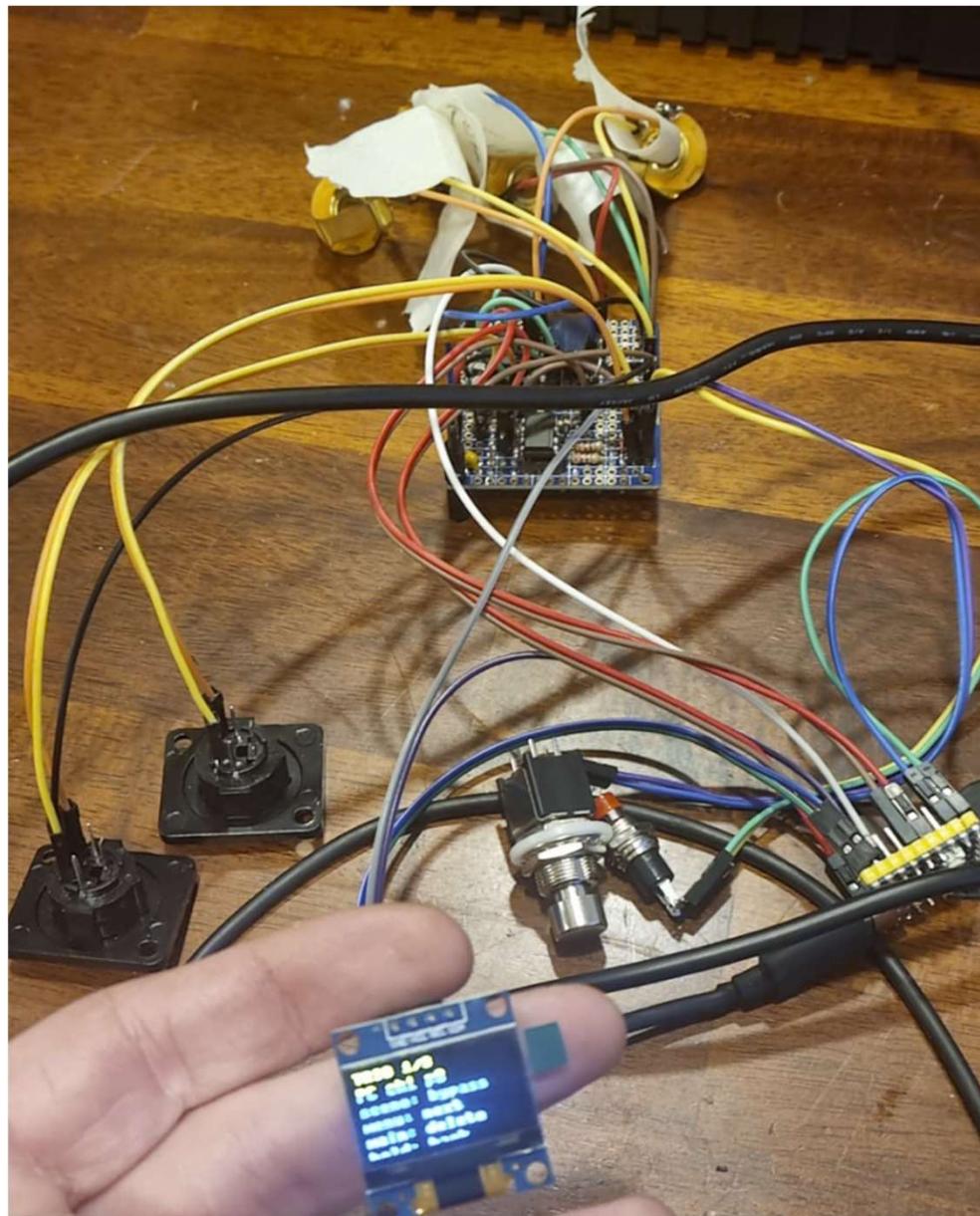
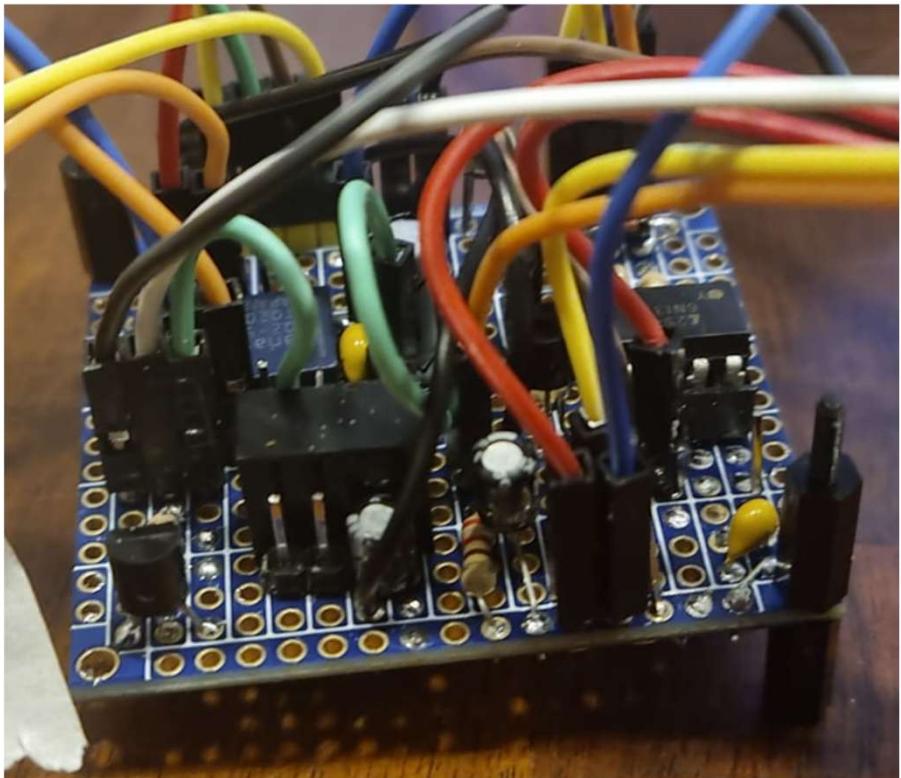
# Loop FX

## 2 Channel

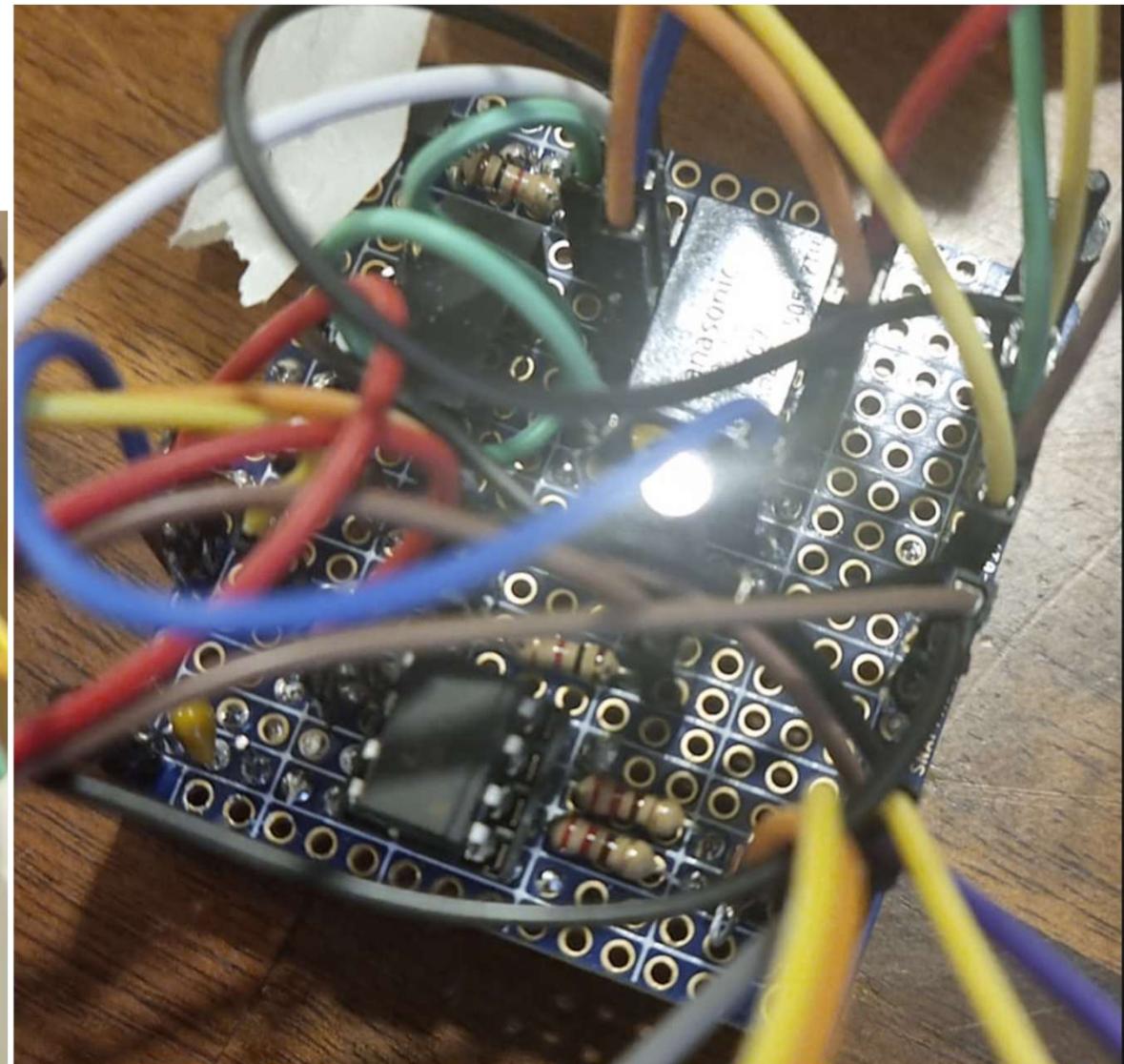
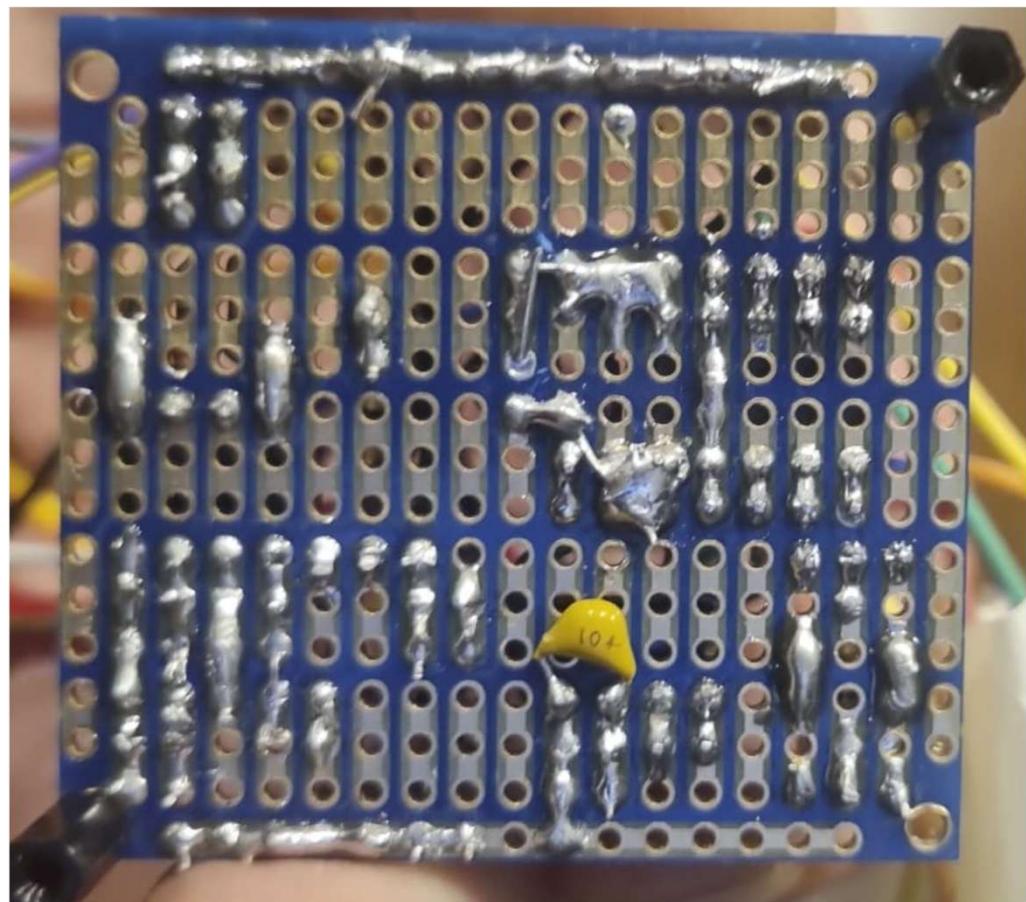
B0505S-3W !!!



## Images



## Images



## Images

