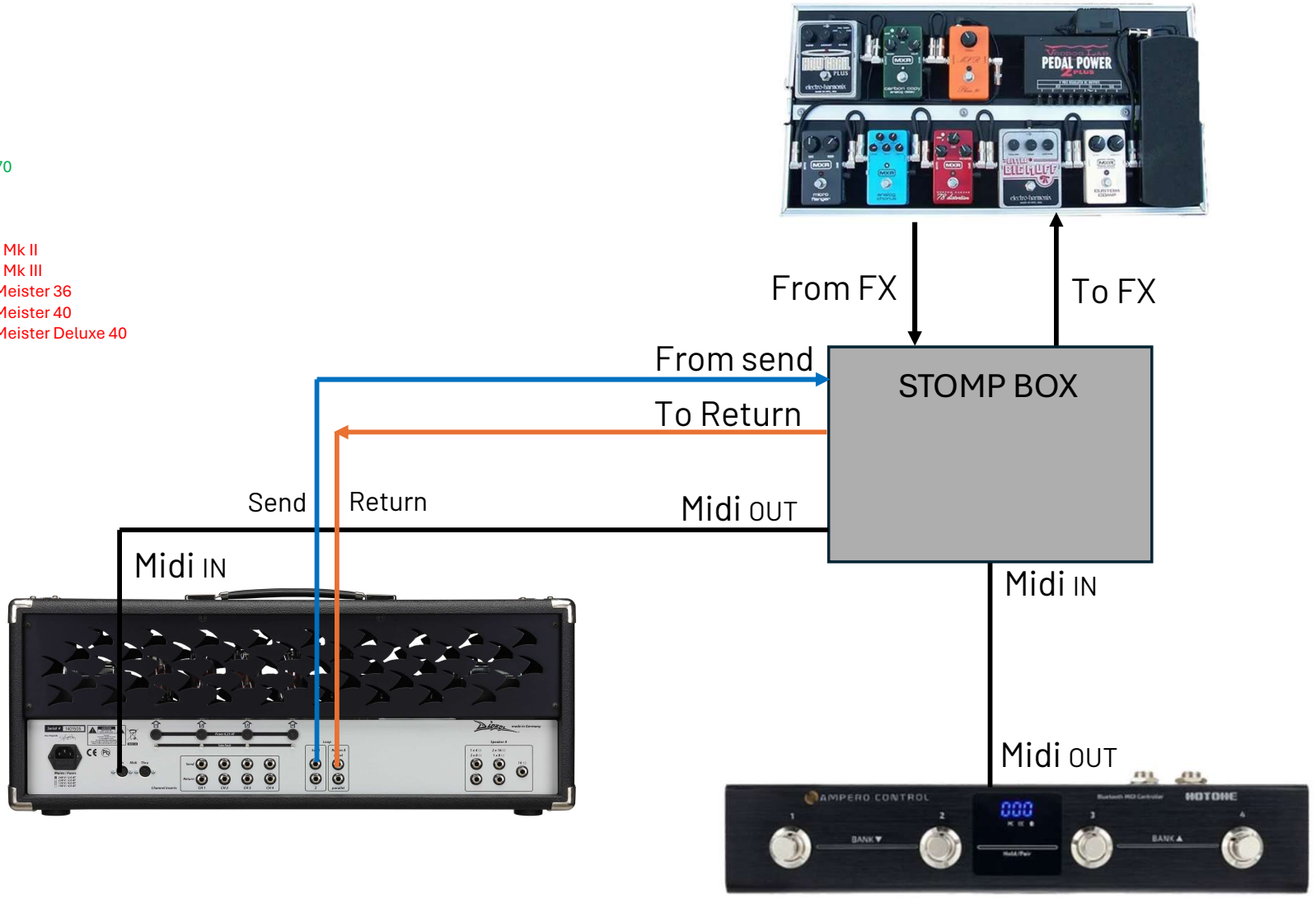
AMP-Midi-Controller

Works with all Amps with a real Midi Support.

Bogner Überschall
Friedman BE-100 Deluxe
Friedman JJ Junior
Friedman Pink Taco
Revv D20
Revv D20+
Laney Lionheart L5T-112
Laney Lionheart L20T-410
Laney IRT Studio
Laney IRT120H
Peavey JSX
Peavey 6505+ MIDI
Carvin Legacy VL100
PRS Archon MIDI
Victory V4 Duchess
Victory V4 Kraken
Roland JC-120 MIDI
Boss Katana Artist
Boss Nextone Stage
Fractal Audio Axe-FX III
Fractal Audio FM9
Line 6 Helix Rack
Line 6 Helix Floor
Headrush Pedalboard
Headrush Gigboard
Mooer GE300
Hotone Ampero
Zoom G6

ENGL Savage 120 Mark II
ENGL Savage 60 Mark II
ENGL Ironball SE
ENGL Powerball II
ENGL Special Edition E670
ENGL Invader II
Diezel Herbert
Diezel VH4
Hughes & Kettner TriAmp Mk II
Hughes & Kettner TriAmp Mk III
Hughes & Kettner GrandMeister 36
Hughes & Kettner GrandMeister 40
Hughes & Kettner GrandMeister Deluxe 40
Mesa/Boogie Mark IV
Mesa/Boogie Mark V
Mesa/Boogie Mark V:25
Mesa/Boogie Mark V:35
Mesa/Boogie Road King
Mesa/Boogie Roadster
Marshall JVM410
Marshall JVM205
Marshall JVM215
Blackstar Series One 100
Blackstar Series One 200
Blackstar ID:100
Blackstar ID:Core
Bogner Ecstasy



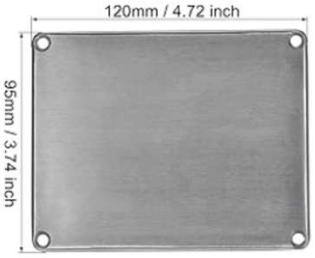
Hardware Parts

DC Input-Jacket

LM2596 **x1**
Alternativ:
MP1584EN

Raspberry Pi 2040 Zero **x1**

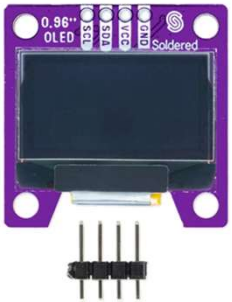
SPST Momentary, NO
x2



CASE / BOX **x1**

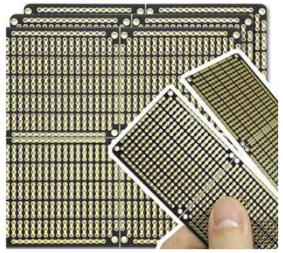
6,35mm **x4-6**

Midi 5-POL –Jacket
x2-3



SSD1306 OR
SSD1315
O-LED
I^2C !!!

Electronic Parts



Electro Cookie PCB

IC Socket, 8 , 14 ,10 PINS

100 nF

100 uF

47 uF

10-22 uF

1 MΩ 4x

1 k Ω 0 4x

220Ω 4x

4,7 kΩ 1x

47 kΩ 1x

1N4001 **x1**

1N4148 **x1**

6N137 **x1**

74HC14 **x1**

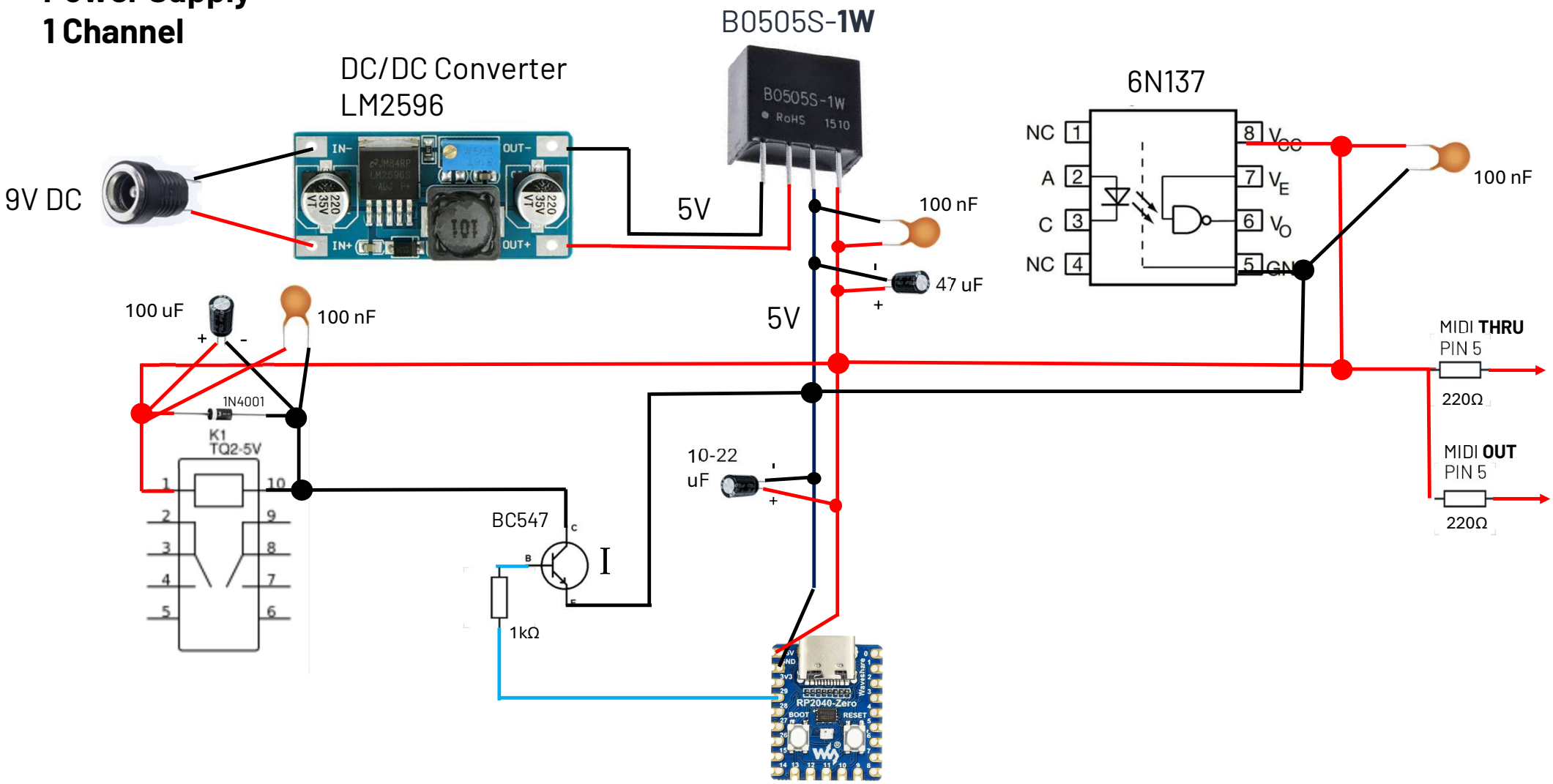
Optional Only for THRU OUT

NPN
BC547 **x3**

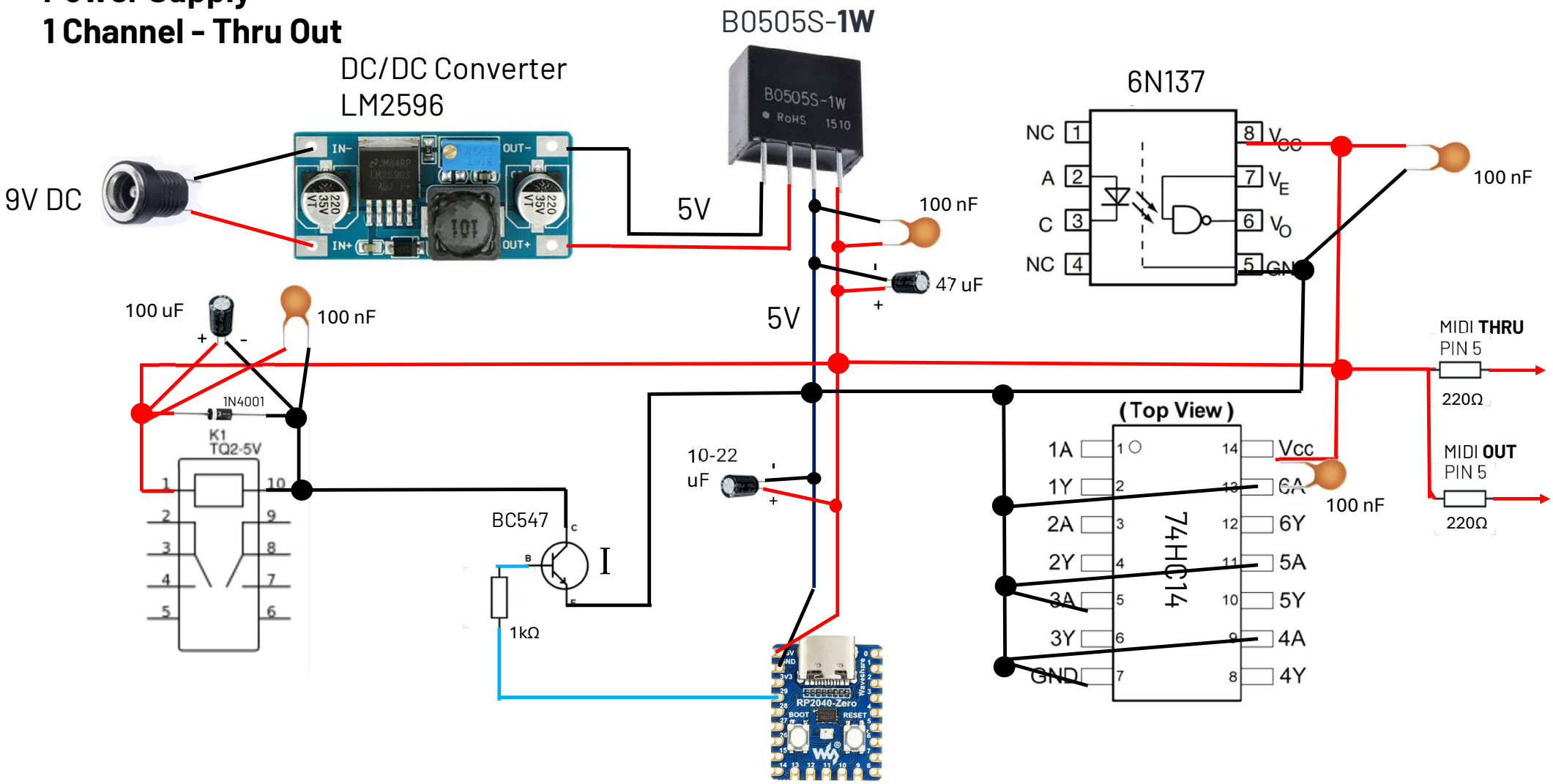
B0505S-1W
x1

TQ2-L2-5V
x1-2

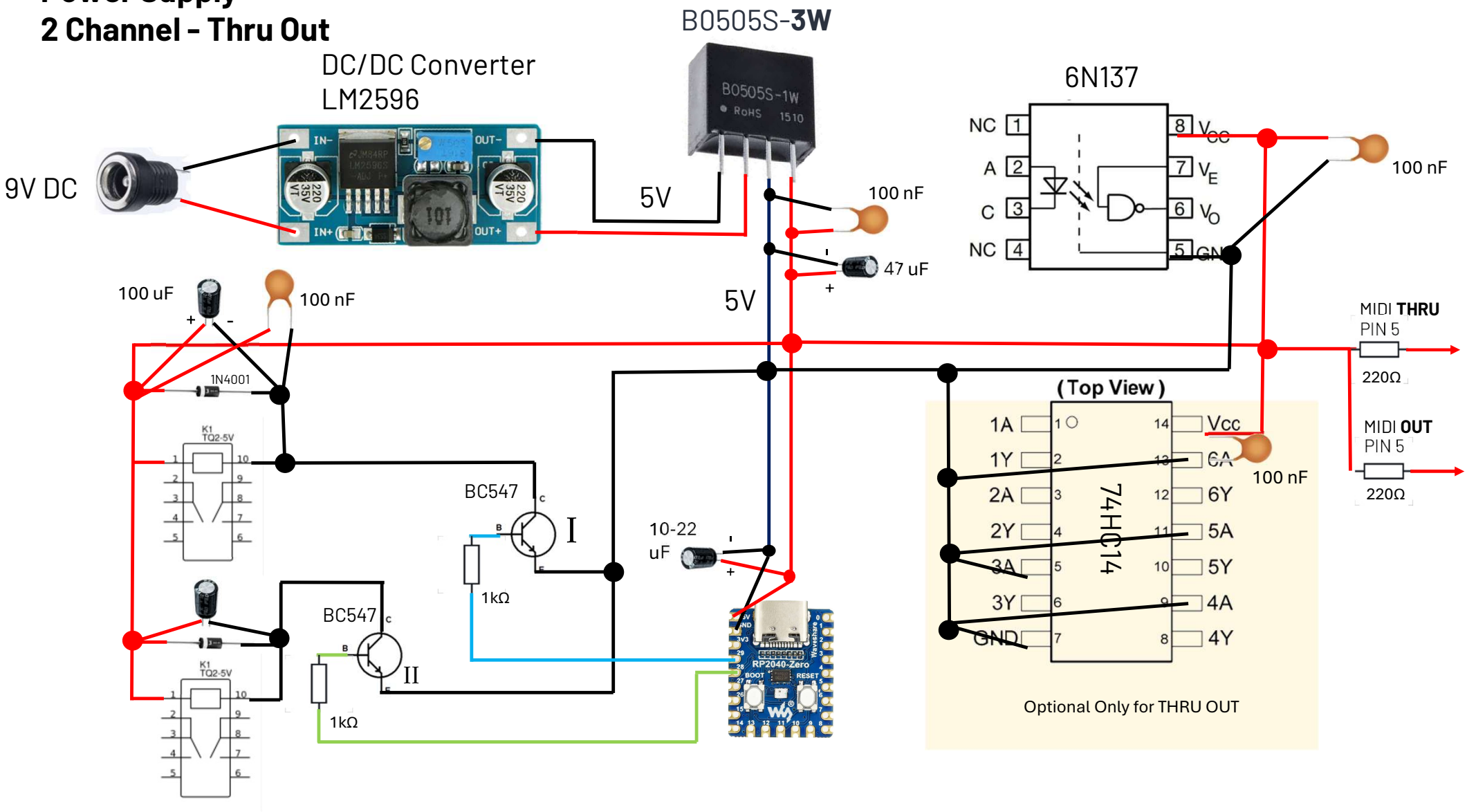
Power Supply – 1 Channel



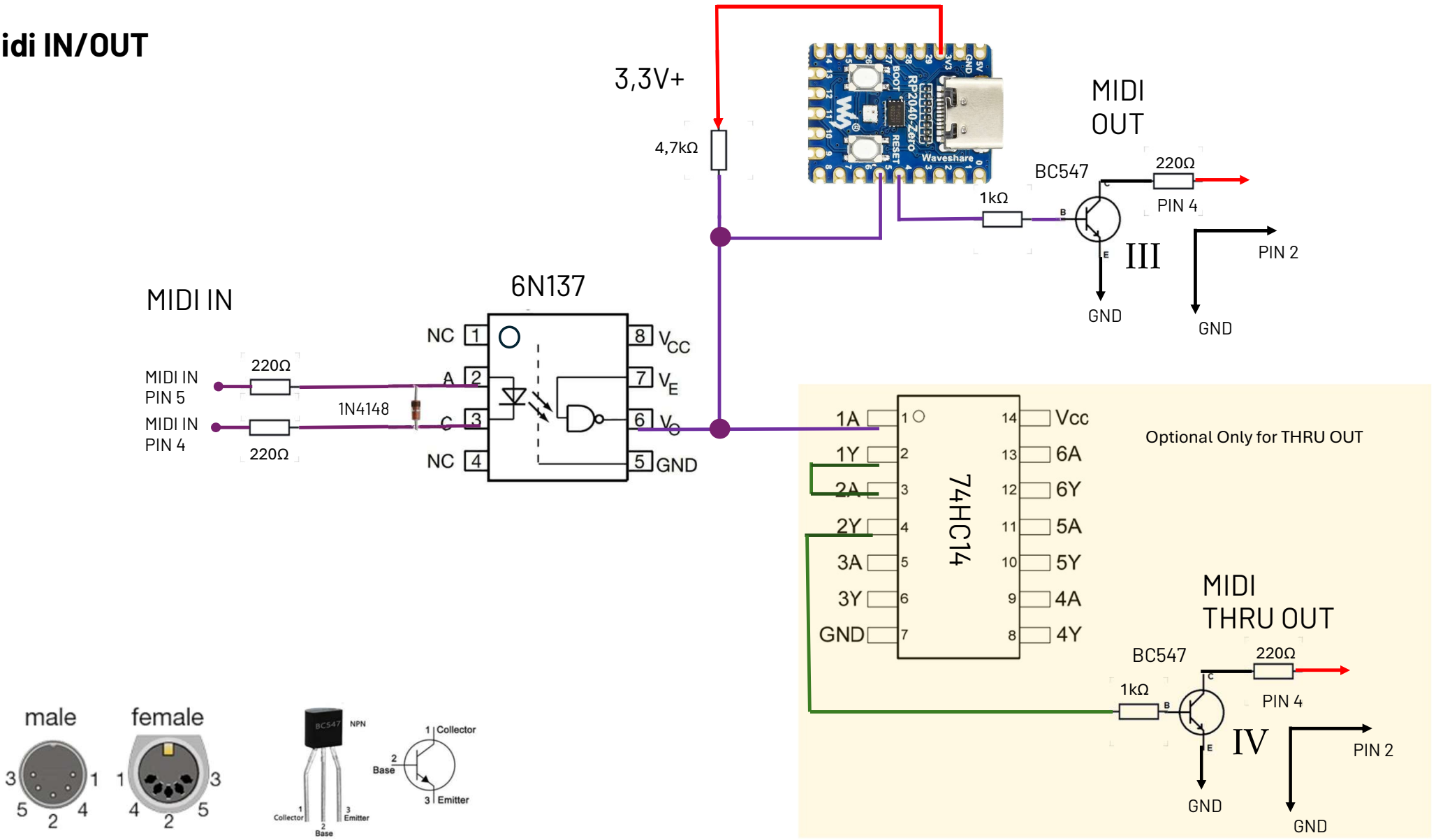
Power Supply –
1 Channel – Thru Out



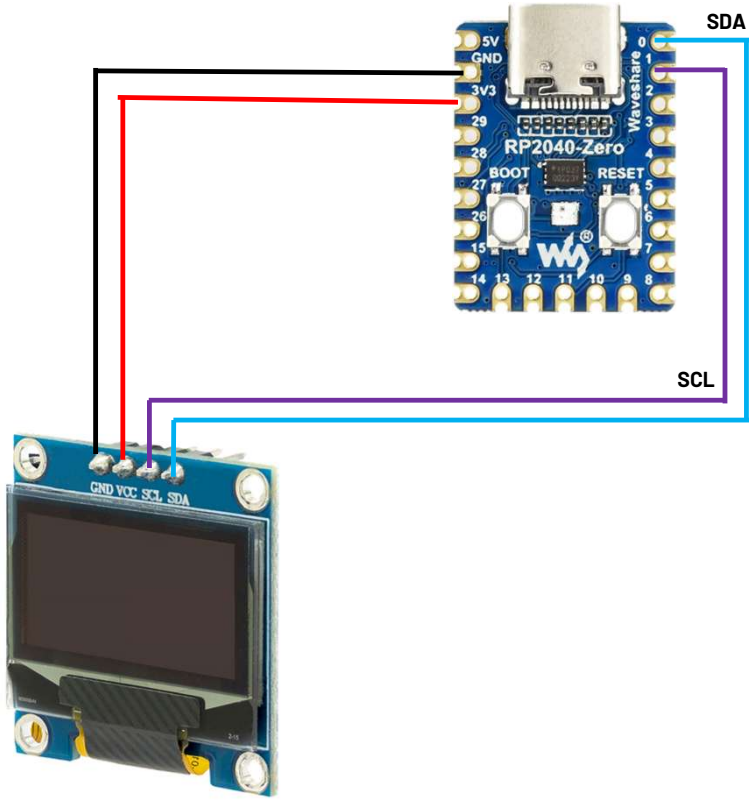
Power Supply –
2 Channel - Thru Out



Midi IN/OUT

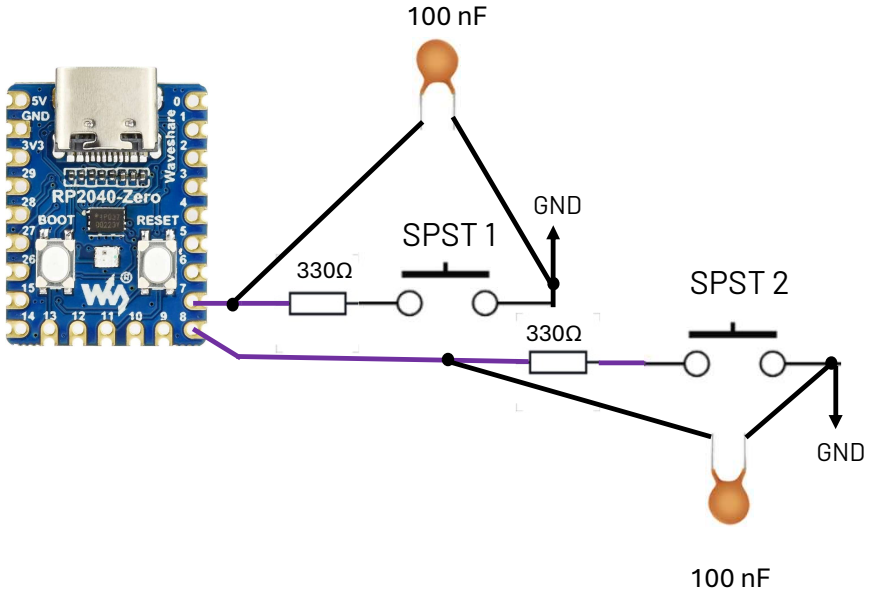

3,3V+
4,7kΩ
MIDI IN
MIDI IN PIN 5
MIDI IN PIN 4
220Ω
220Ω
1N4148
6N137
NC
A
C
NC
VCC
VE
VO
GND
MIDI OUT
BC547
1kΩ
220Ω
PIN 4
PIN 2
GND
GND
III
1A
1Y
2A
2Y
3A
3Y
GND
Vcc
6A
6Y
5A
5Y
4A
4Y
74HC14
Optional Only for THRU OUT
MIDI THRU OUT
BC547
1kΩ
220Ω
PIN 4
PIN 2
GND
GND
IV
male
female
BC547
NPN
Collector
Base
Emitter

Display



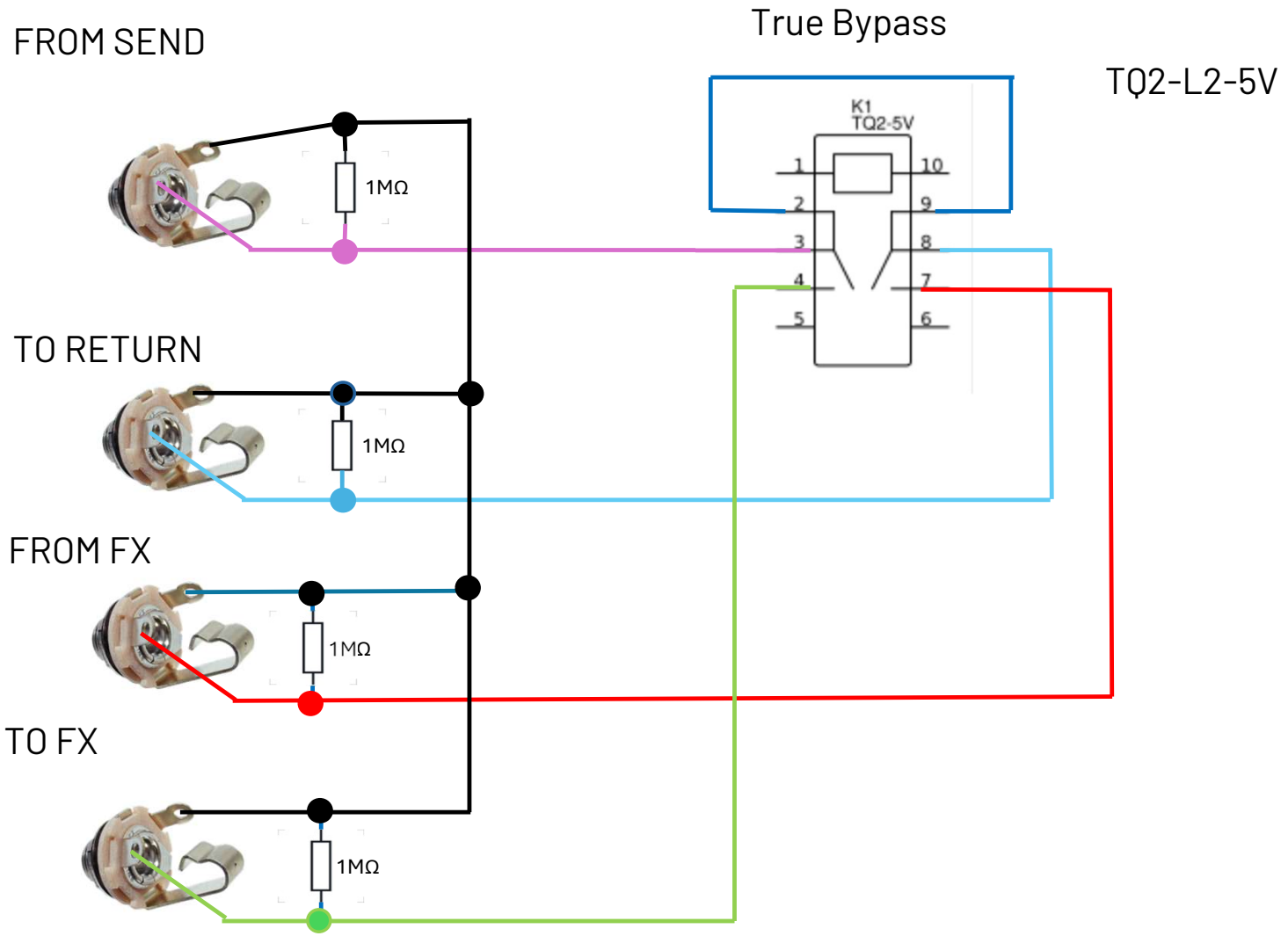
SSD1306
O-LED
I²C !!!

Foot Switches

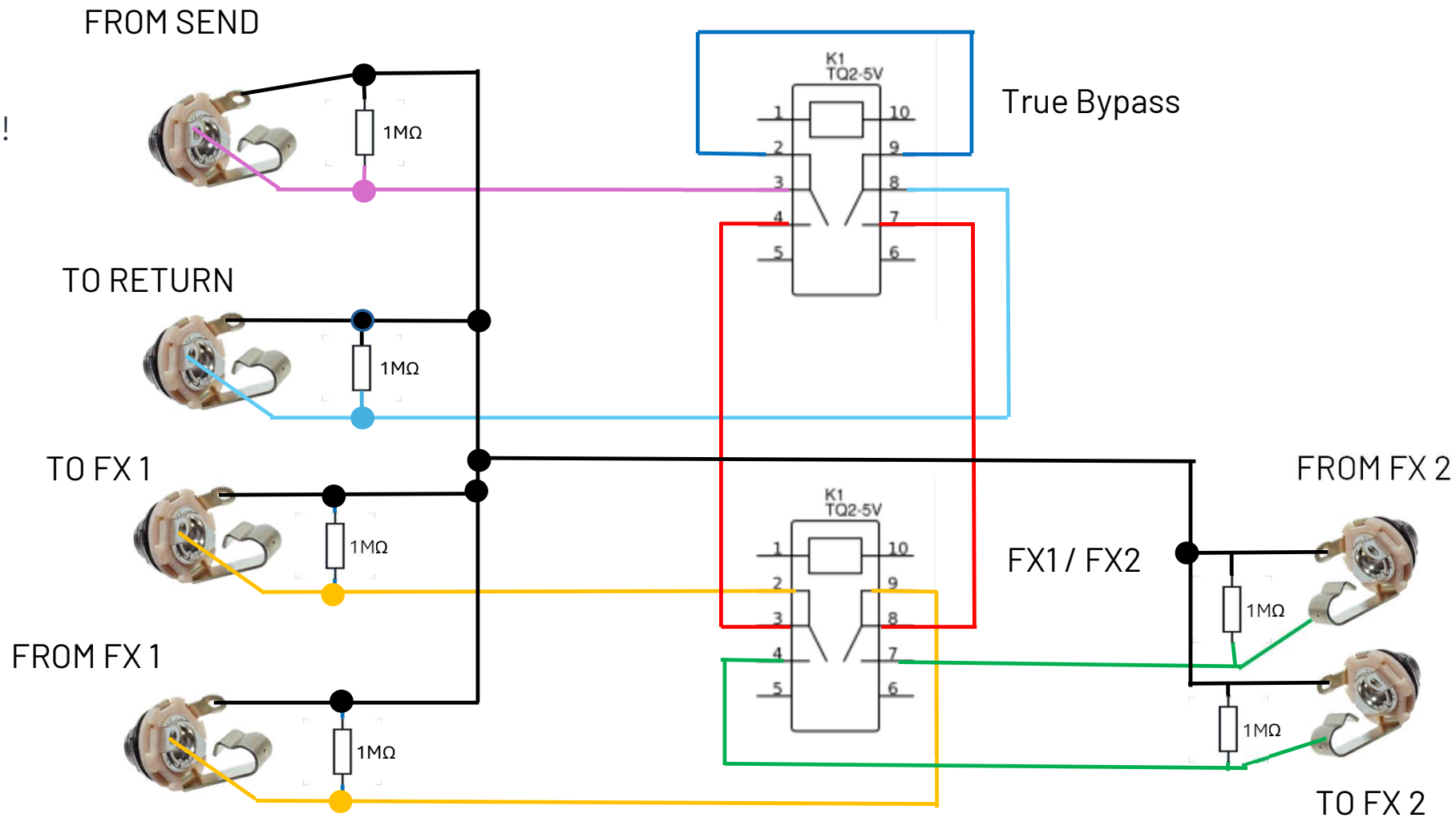


Loop FX

1 Channel



Loop
FX

2 Channel

B0505S-**3W** !!!