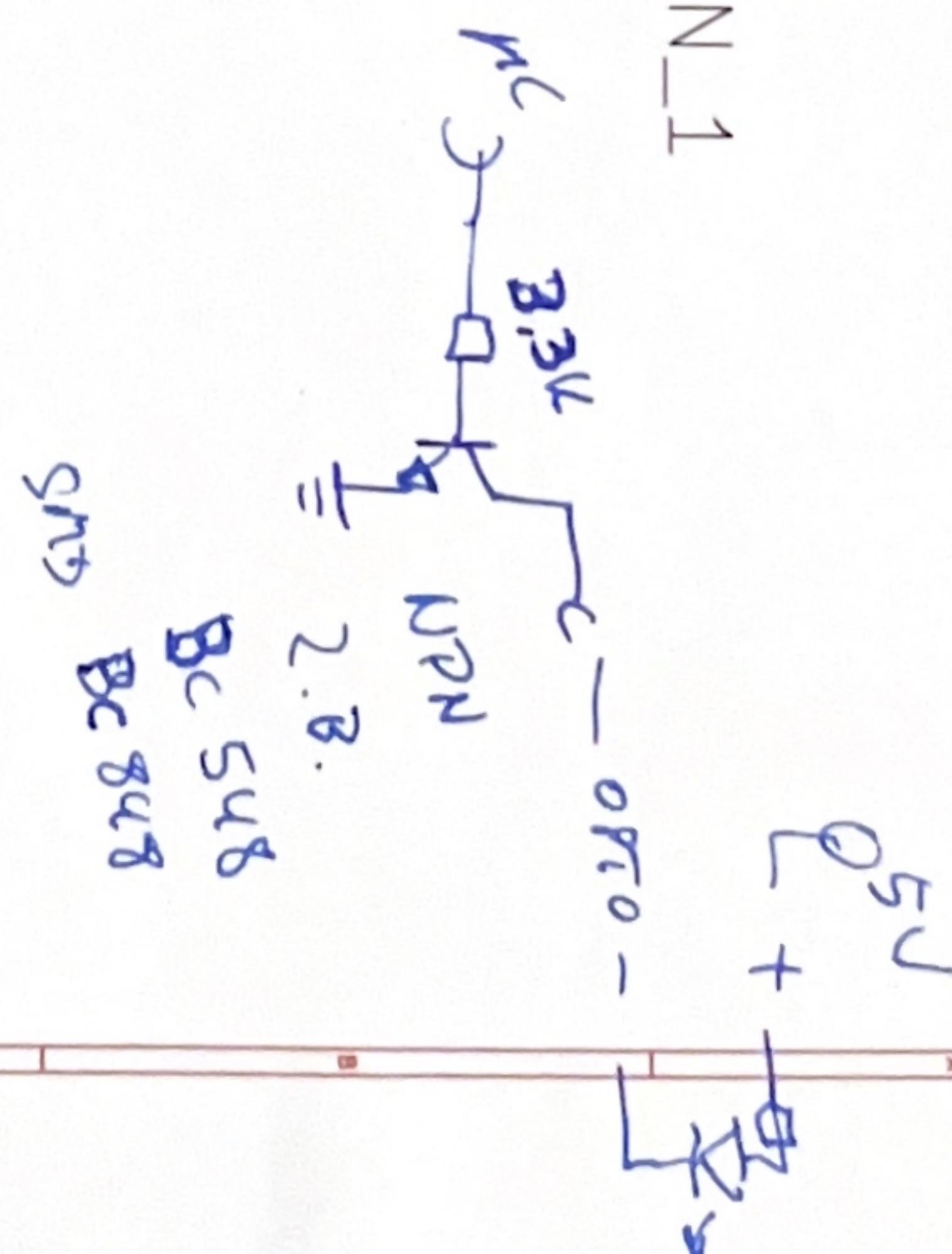
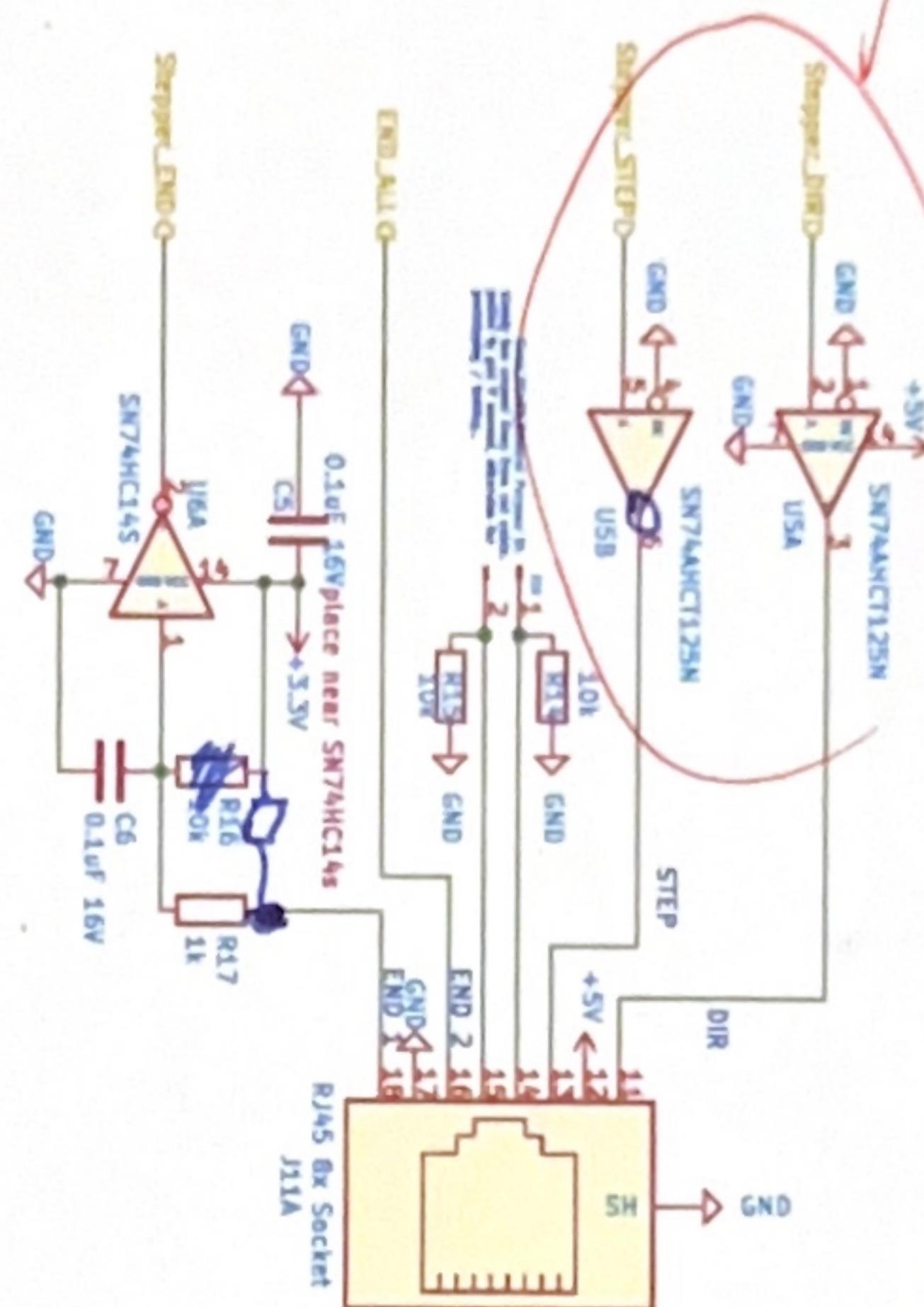


Zwei parallel Schritte für doppelter Strom

STEPPER_MOTOR_CONNECTION_1



Sheet: /Stepper Connection 01/
 File: StepperConnection_01.sch

Title: Stepper Connection

Size: A4 Date: 2021-06-21

KiCad E.D.A. kicad (5.1.9-0-10114)

Rev:

Id: 2/15

2 4 6 P
0 0 0 0
0 0 0 0
1 3 5 7

1 - 3,3 V

2 -

3 -

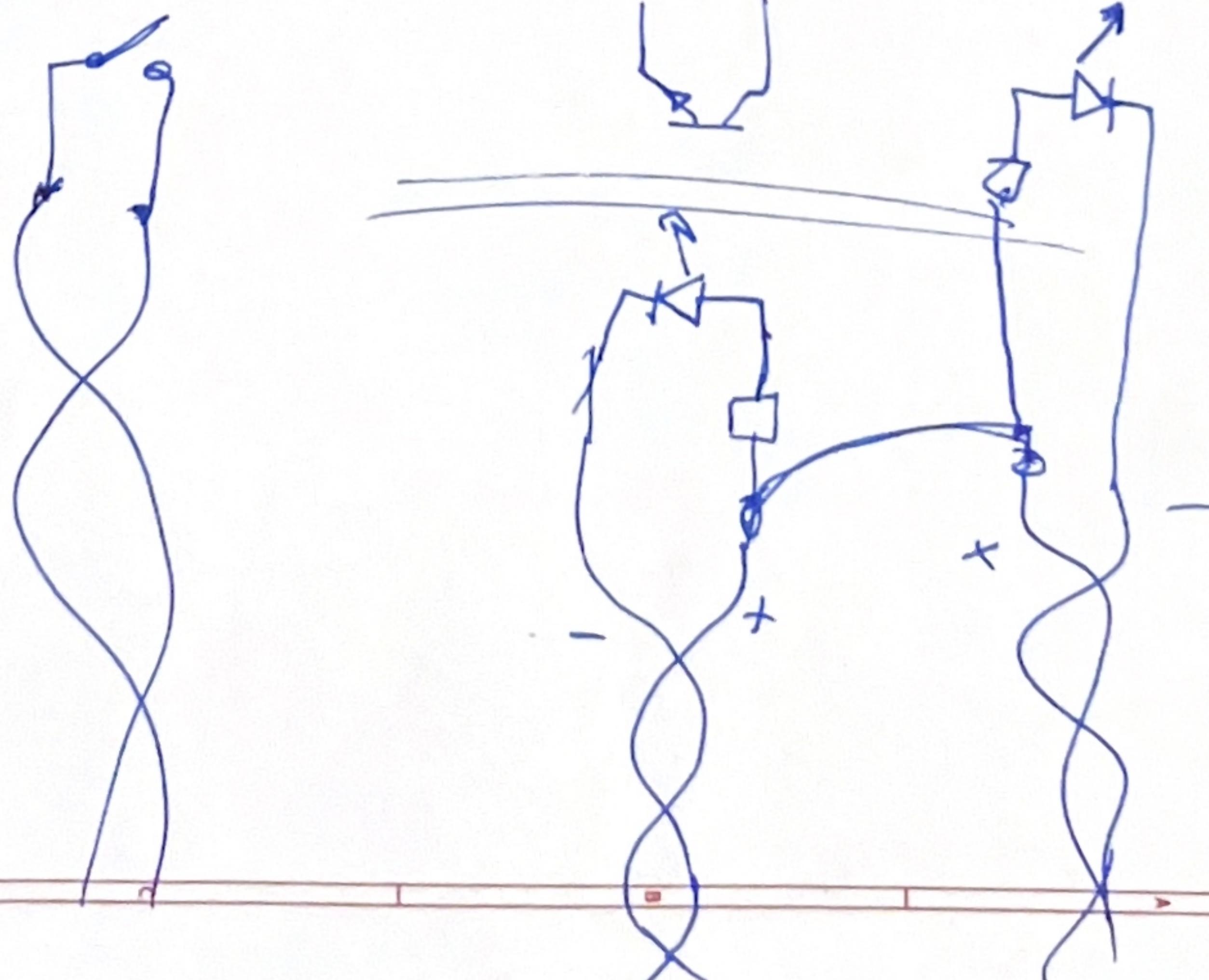
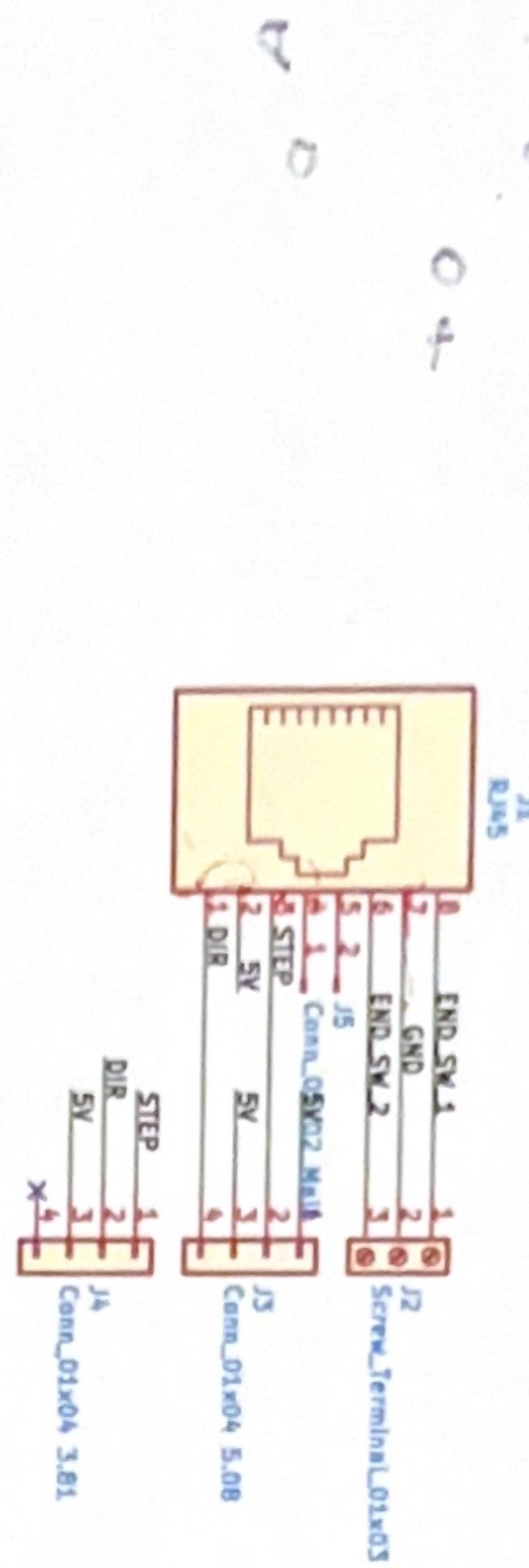
4 -

5 -

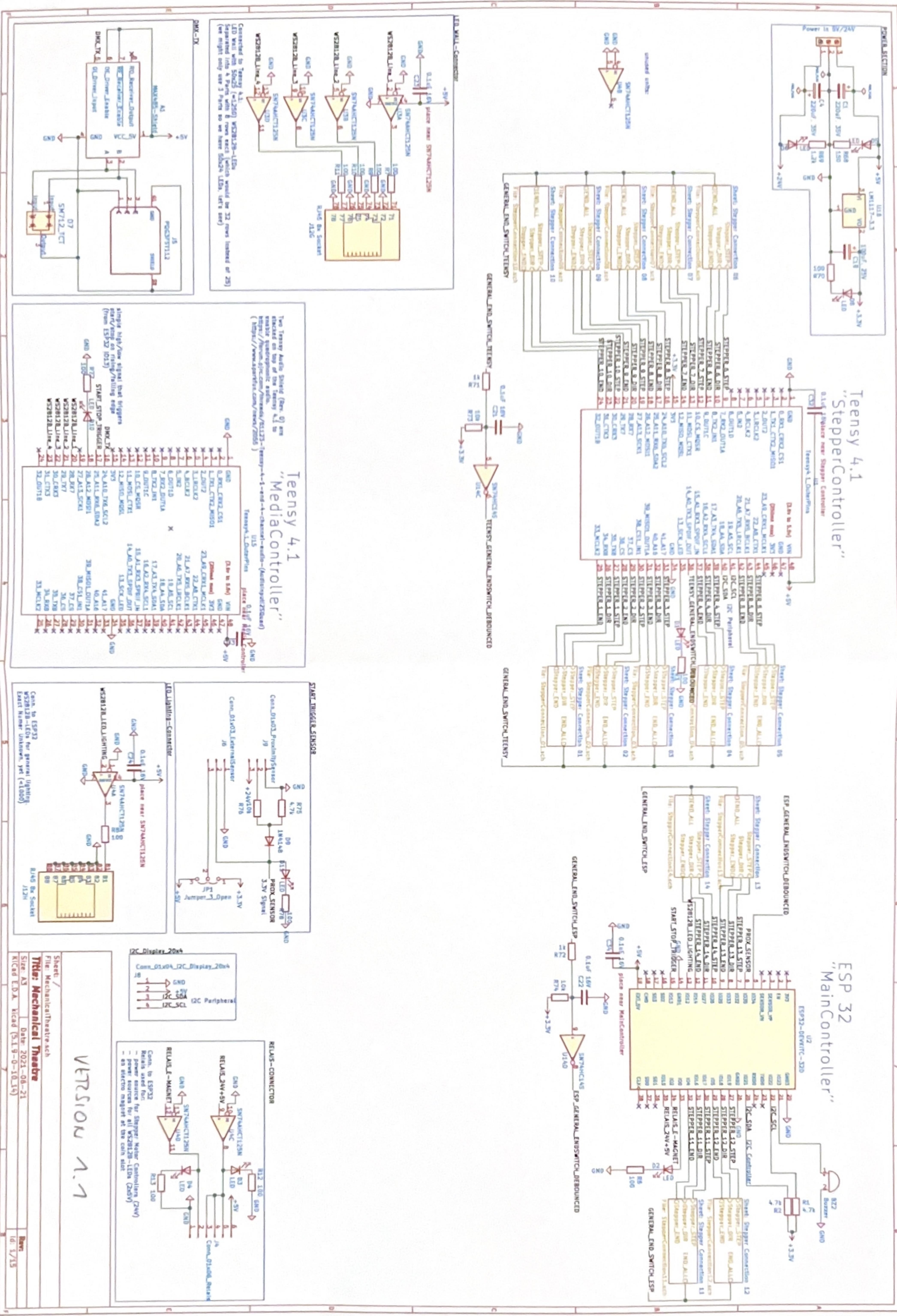
6 -

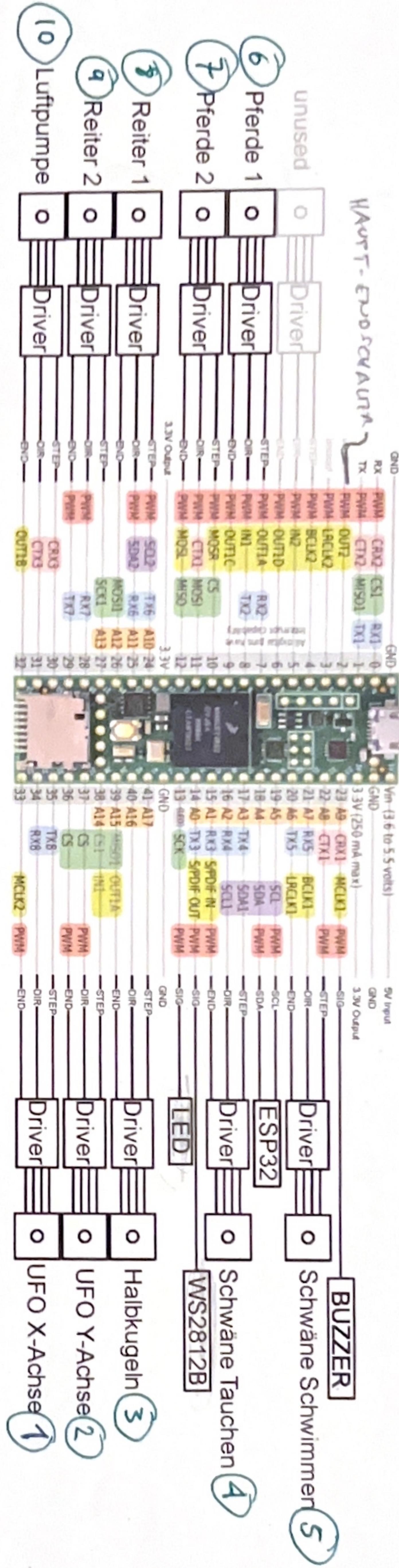
7 - 5 V

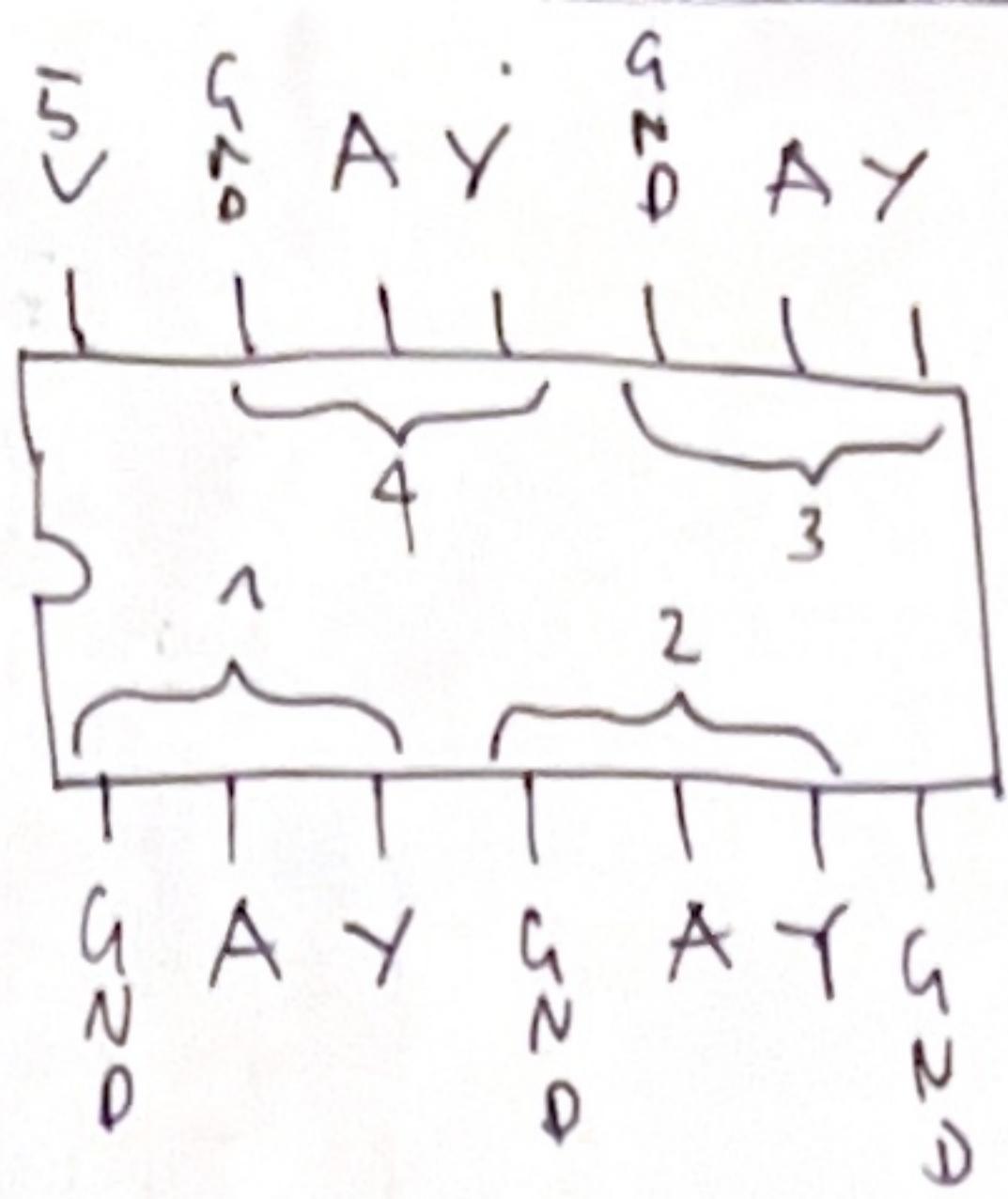
8 .



Sheet:	/
File:	RJ45-Terminalblock-Adapter.sch
Title:	
Size: A4	Date:
KICad E.D.A.	KICad (5.1.9-0-10.14)
Rev:	Id: 1/1

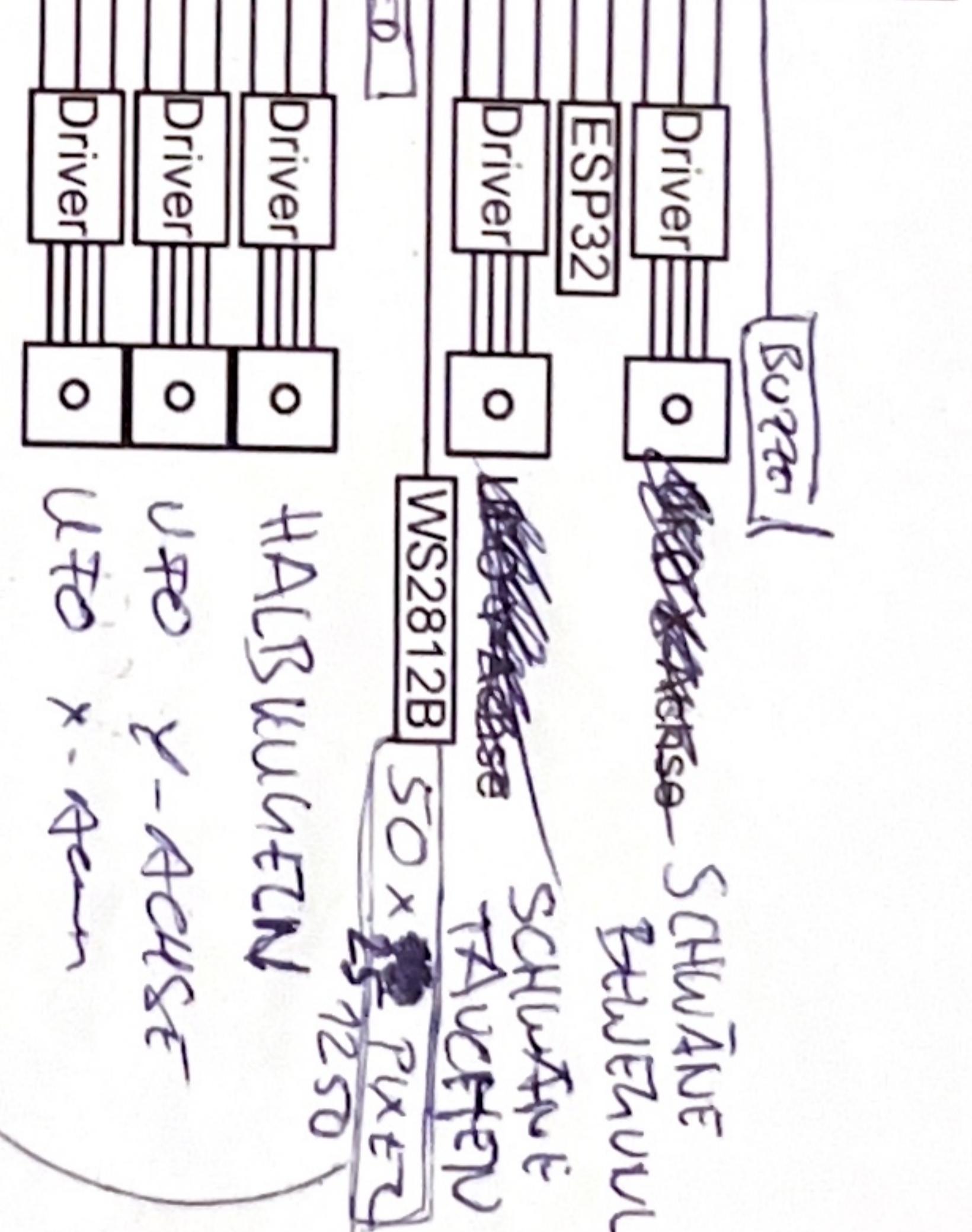
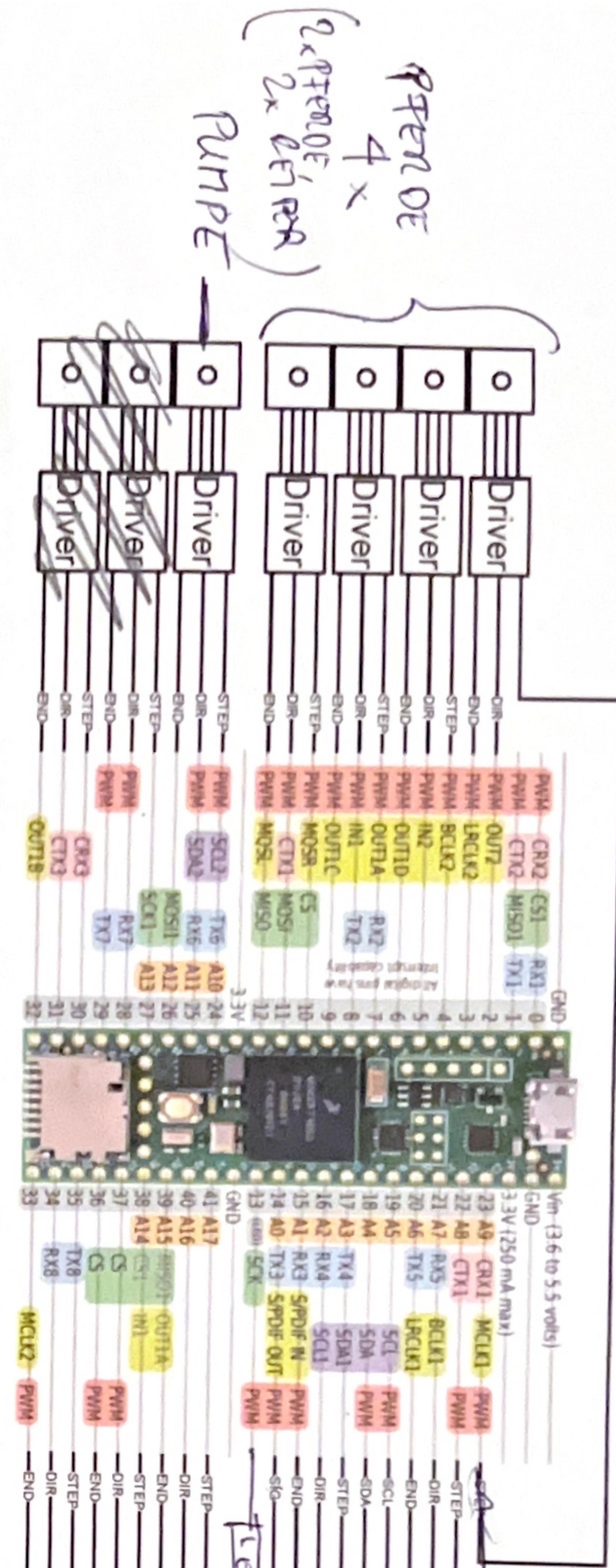






GRÜN - STEP - 8
 WEISS - DIR - 4
 BLAU - END - 6

UND-1
 5V-2



RJ 45

8 - END SW

1 - GND

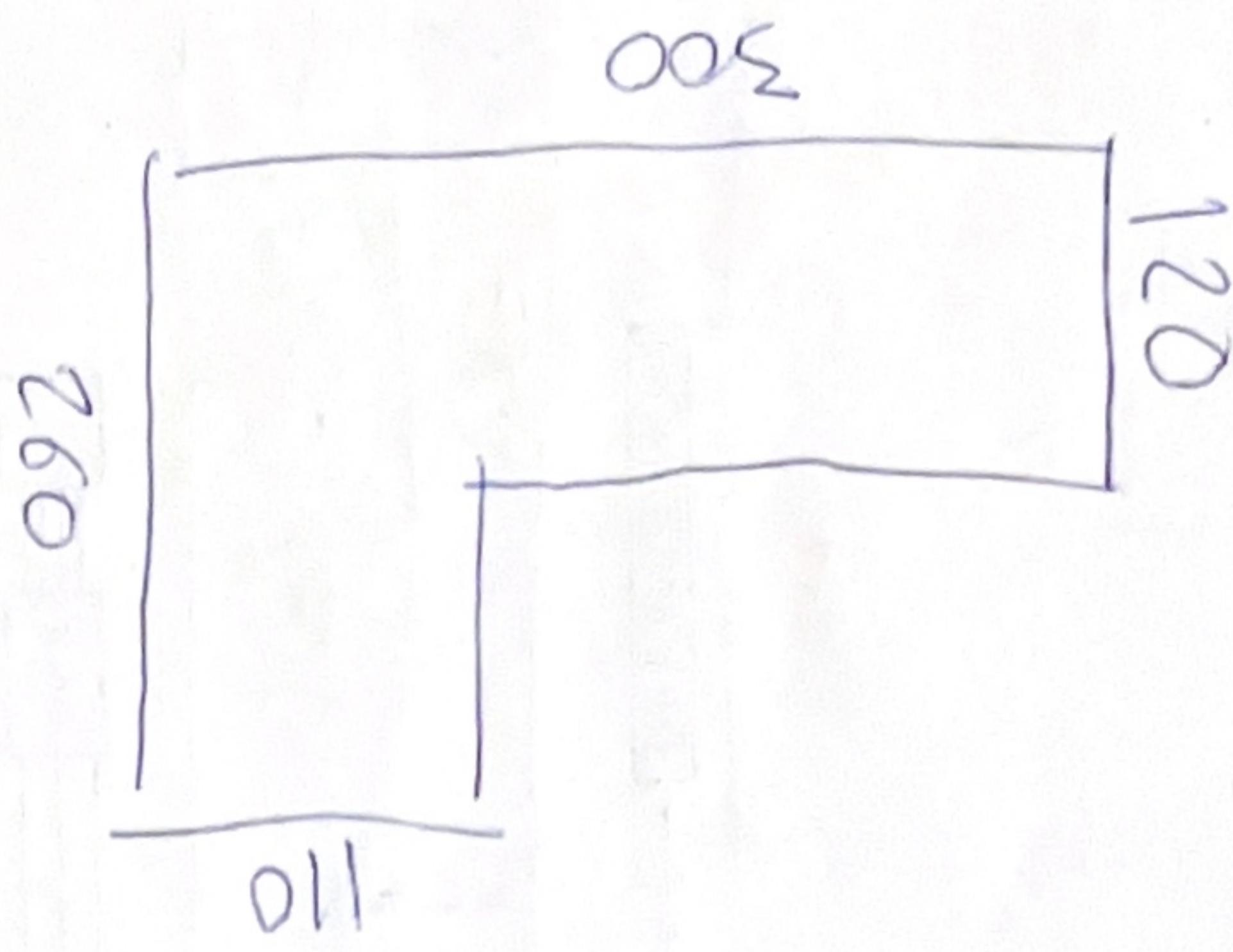
6 - END SW GEN.

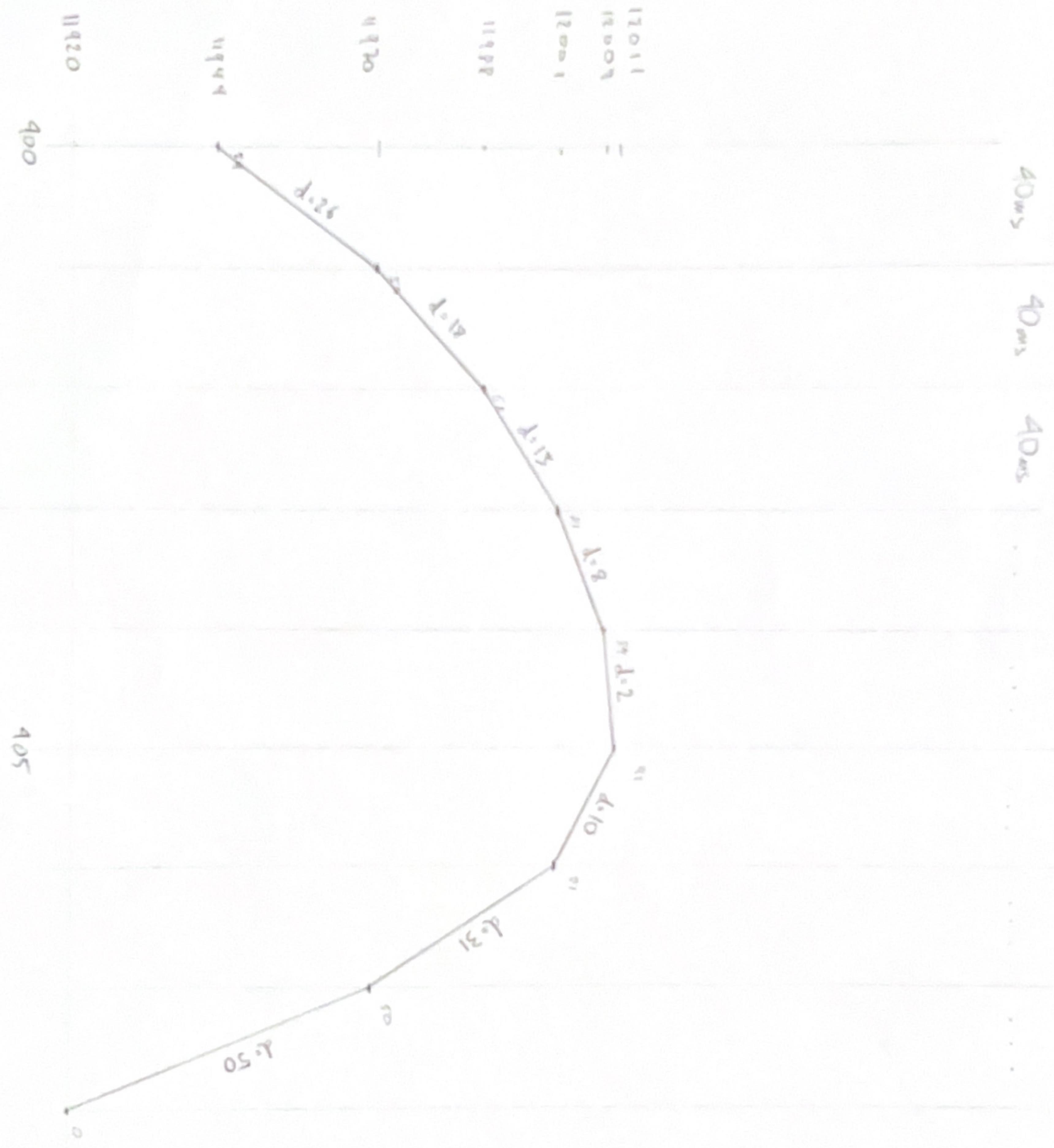
5 - } EXTR. CONN
4 - }

3 - STEP

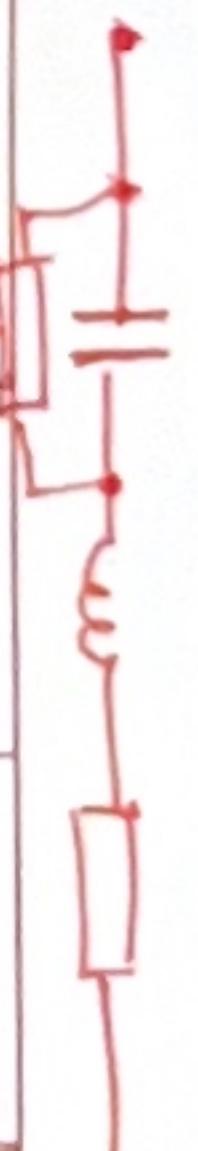
2 - 5V

1 - DIR





KERAMIKWONDENSATOR mit KLEINER ESR

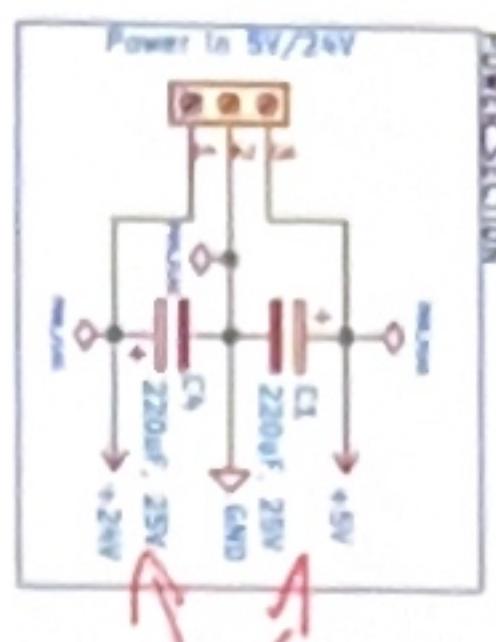


Teensy 4.1 (1)

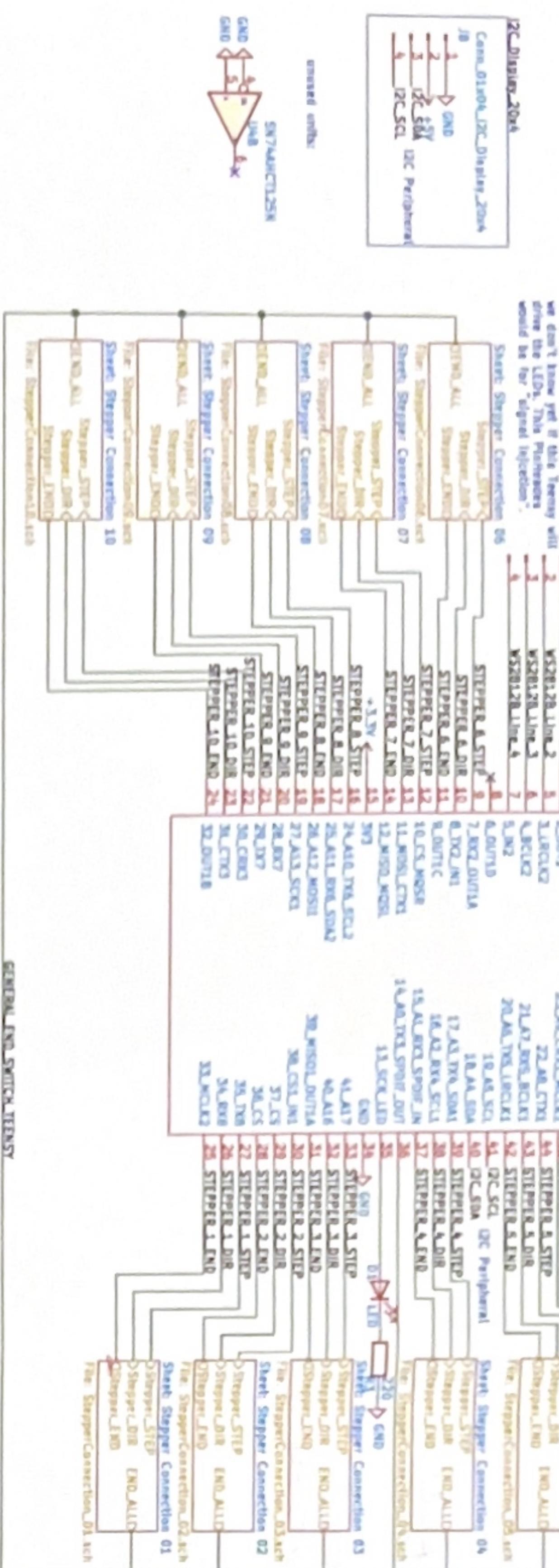
Möglichst Dick + kurz

ESP 32

Leakage current



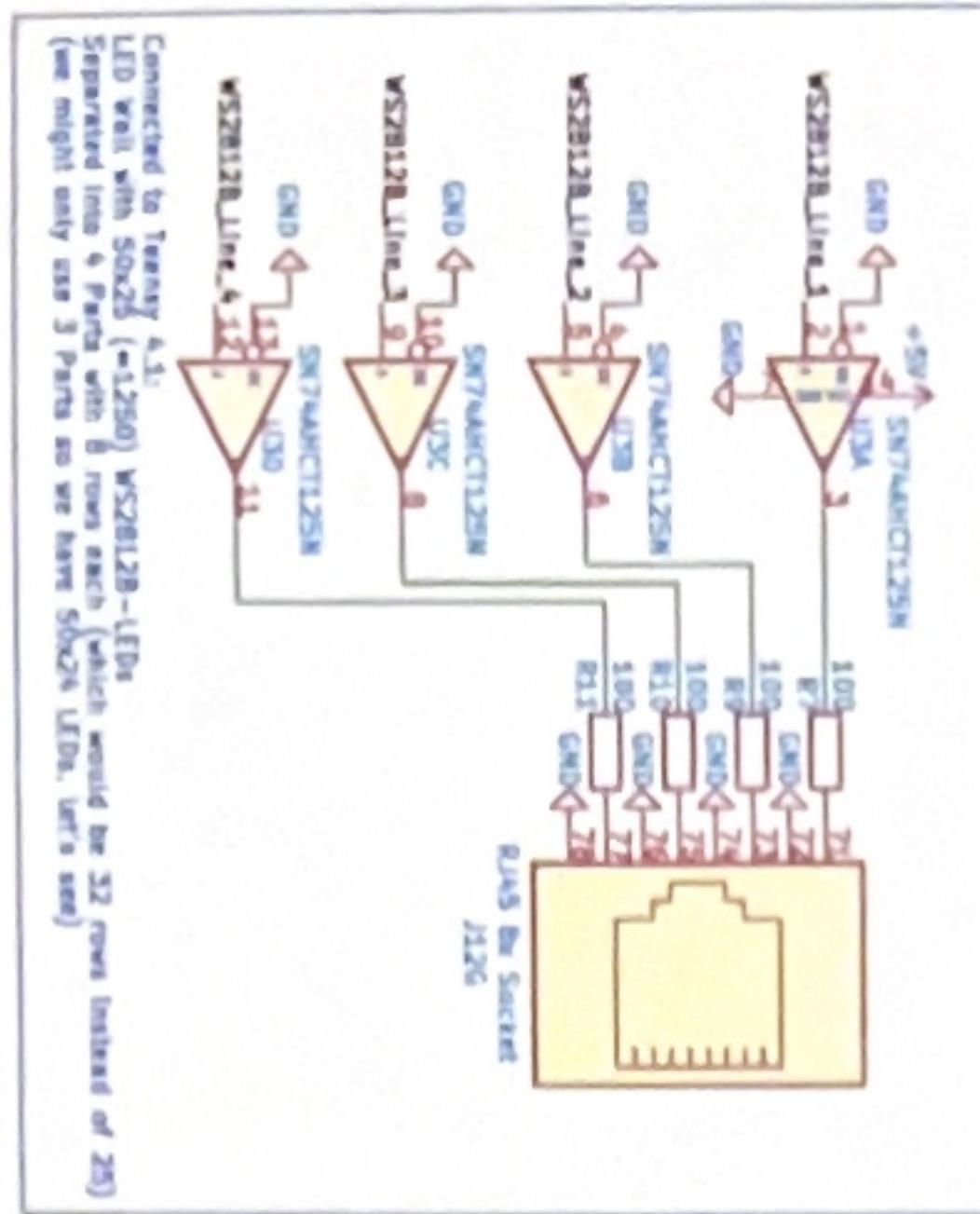
100 V
0



Teensy 4.1 (2)

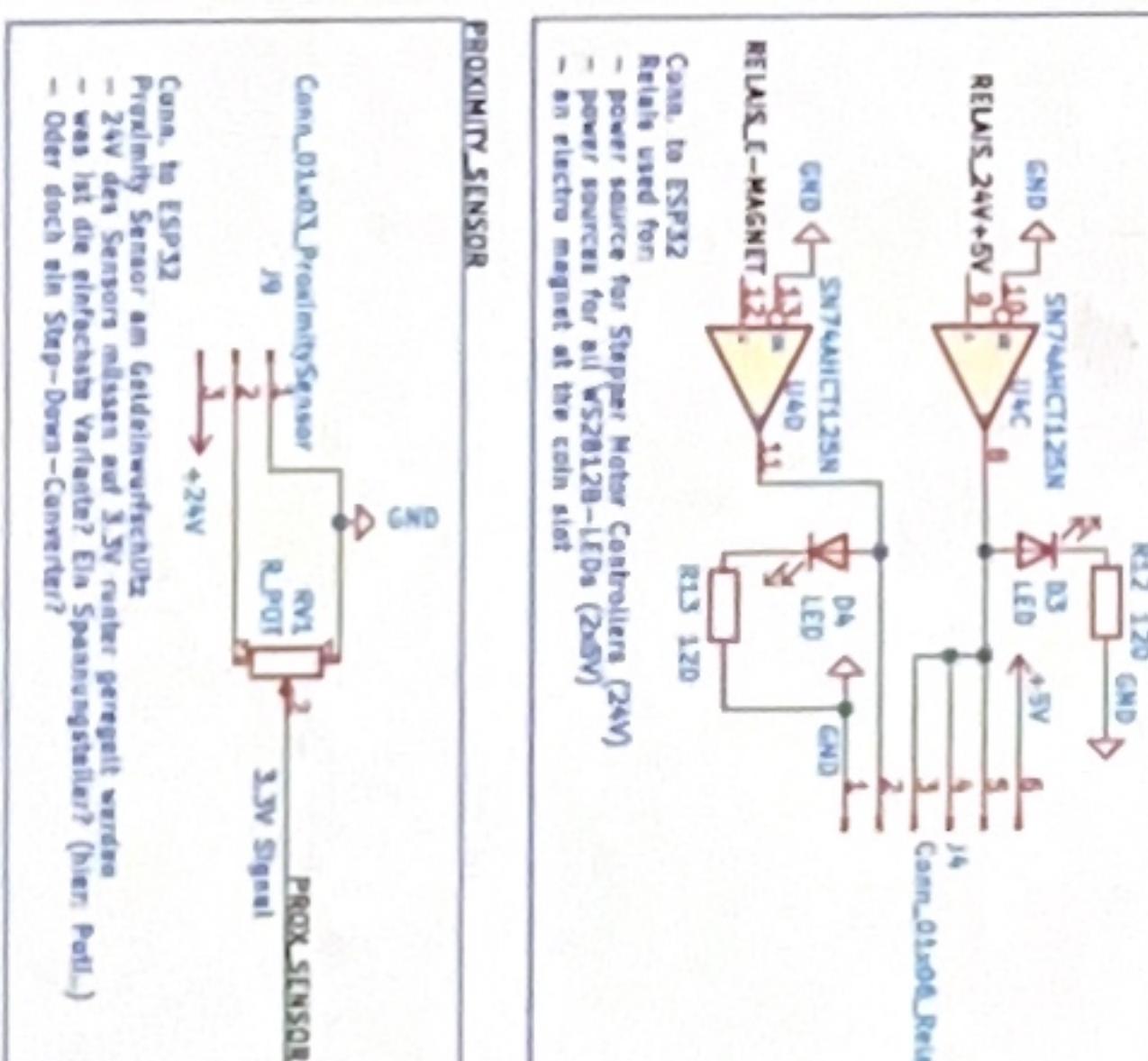
Teensy Audio Shield Rev. 0 are
designed on top of the Teensy 4.1 to
provide quadraphonic audio output.
<https://www.adafruit.com/product/3255>

Teensy 4.1 Data Pins



we don't know yet if this Teensy will
drive the LEDs on the other side.

LED with SMD (≈ 250) WS2812B-LEDs
should work much better (which would be 25 more instead of 25)
(we might only use 3 parts so we have some LEDs left over)



v 1.0



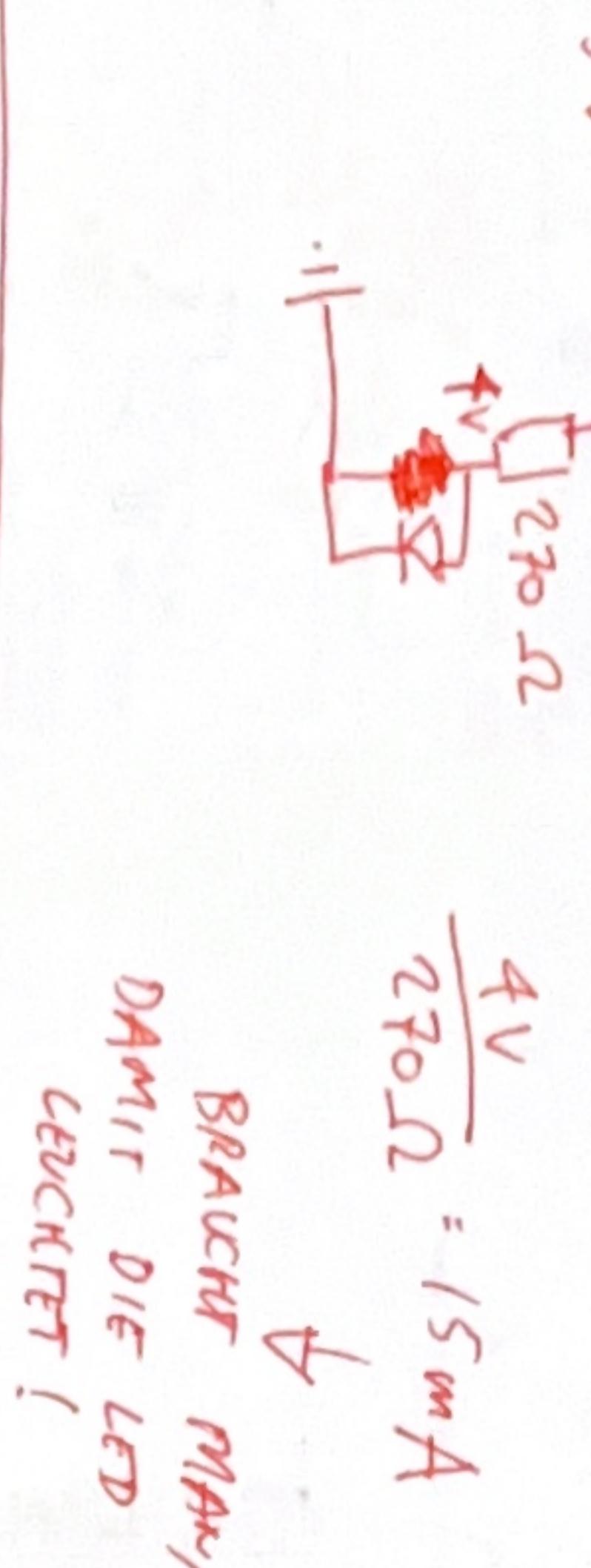
- o Zusätzliche vias auf ground-planes
↳ "INSETN" auch Grounden

ODER: 5V OBER, UND UNTER, MIT KONDENSATOREN
HT - TECHNISCHE KURSCHLIESSEN / 

- o GENERELL: HOHE FREQUENZEN DURCH STILLE PLANEN
- o WÜRH: RED EXPENS, EIGENSCHAFTEN VON KONDENSATOREN VERGLEICHEN
- o SPANNUNGSABWANDLUNG DES KONDENSATORS

DM320T

- o IR-LED IM OPTOCOPPER: ~1V



PCB

- o MONTAGELOCHER AUF GROUND
- o BETA-LAYOUT / MULTI-CB
- o PROTOTYPEN IMMER VERGOLDET (LANGELEBIGER + BESSEN)
- o STENCIL + HESSLUFTLÖTGERÄT

NETZANSCHLUß

24V ——————

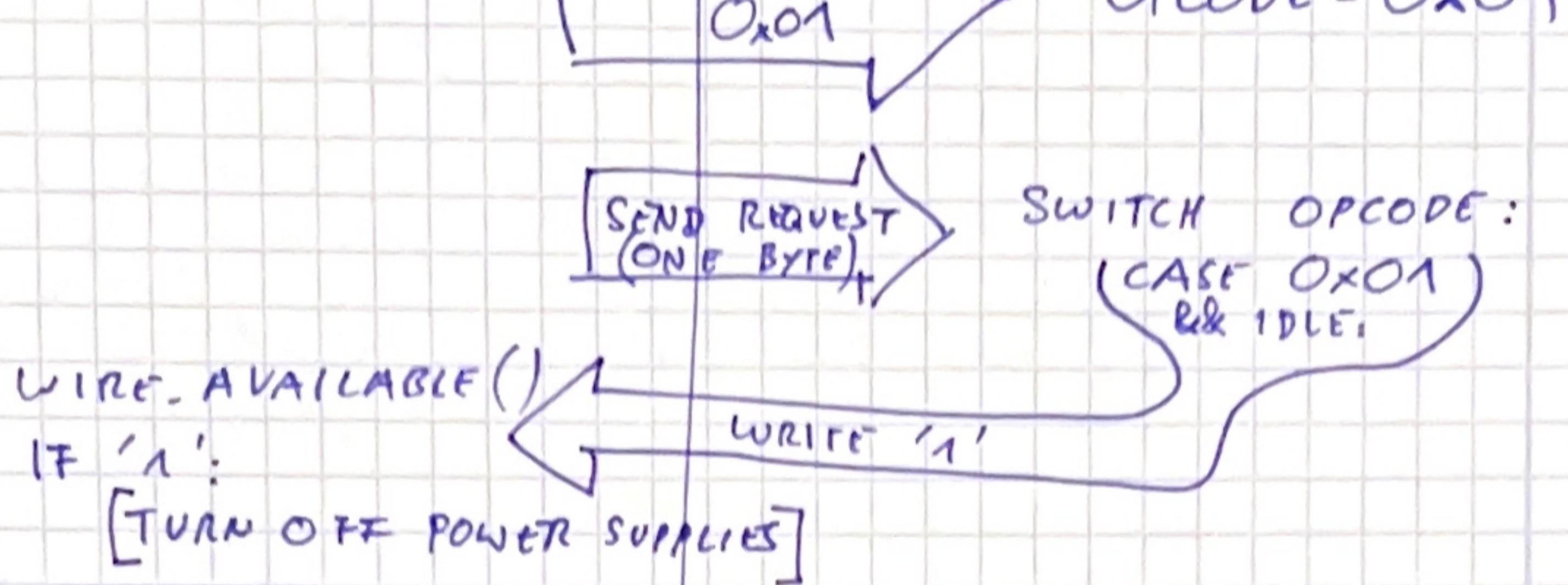

- o FERRITPERLE AM EINGANG UND

—————


CONTROLLER
(ESP32)

PERIPHERAL
(TEENSY)

"ARE YOU IN IDLE MODE?"



"START SHOW!"

