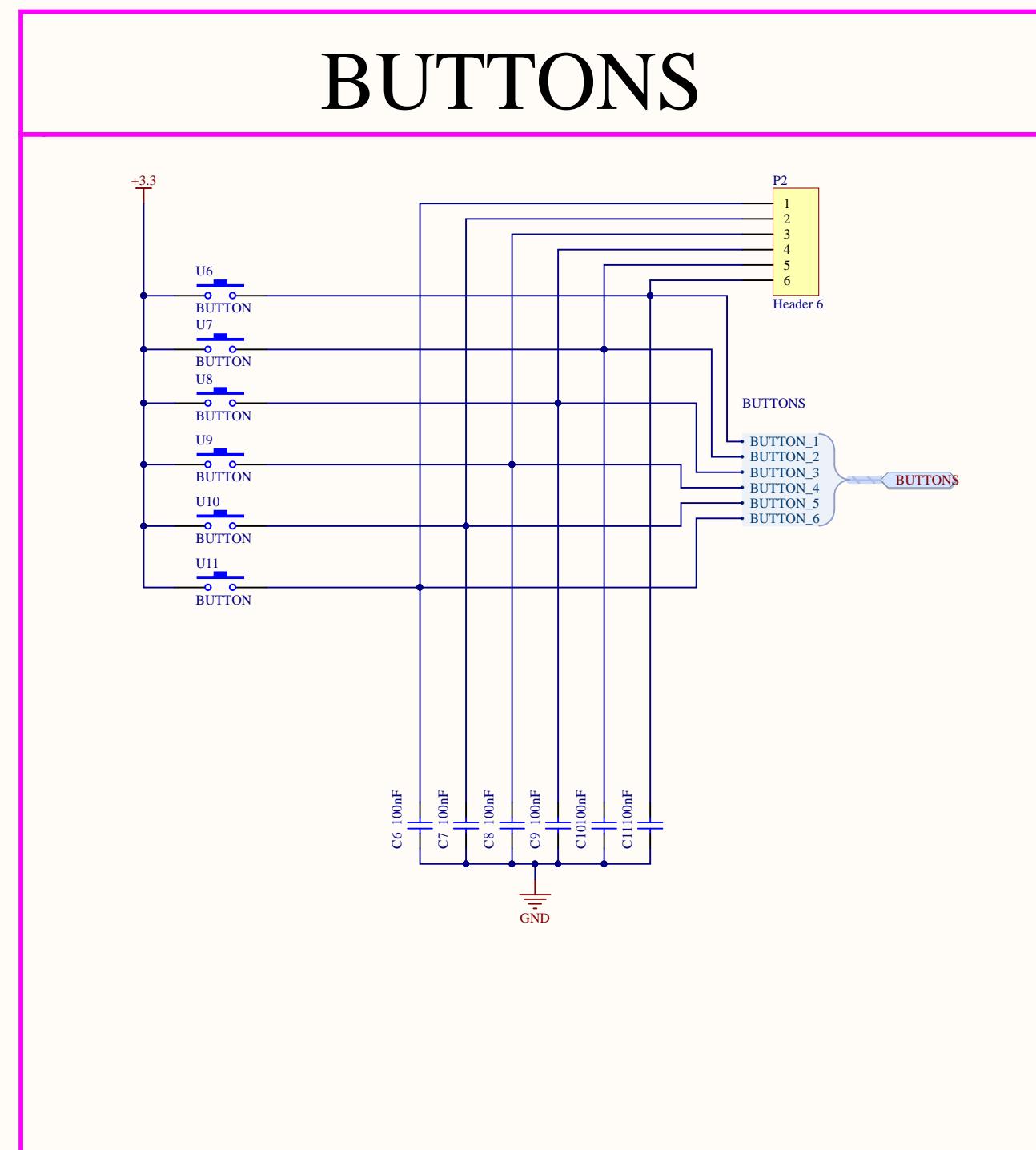
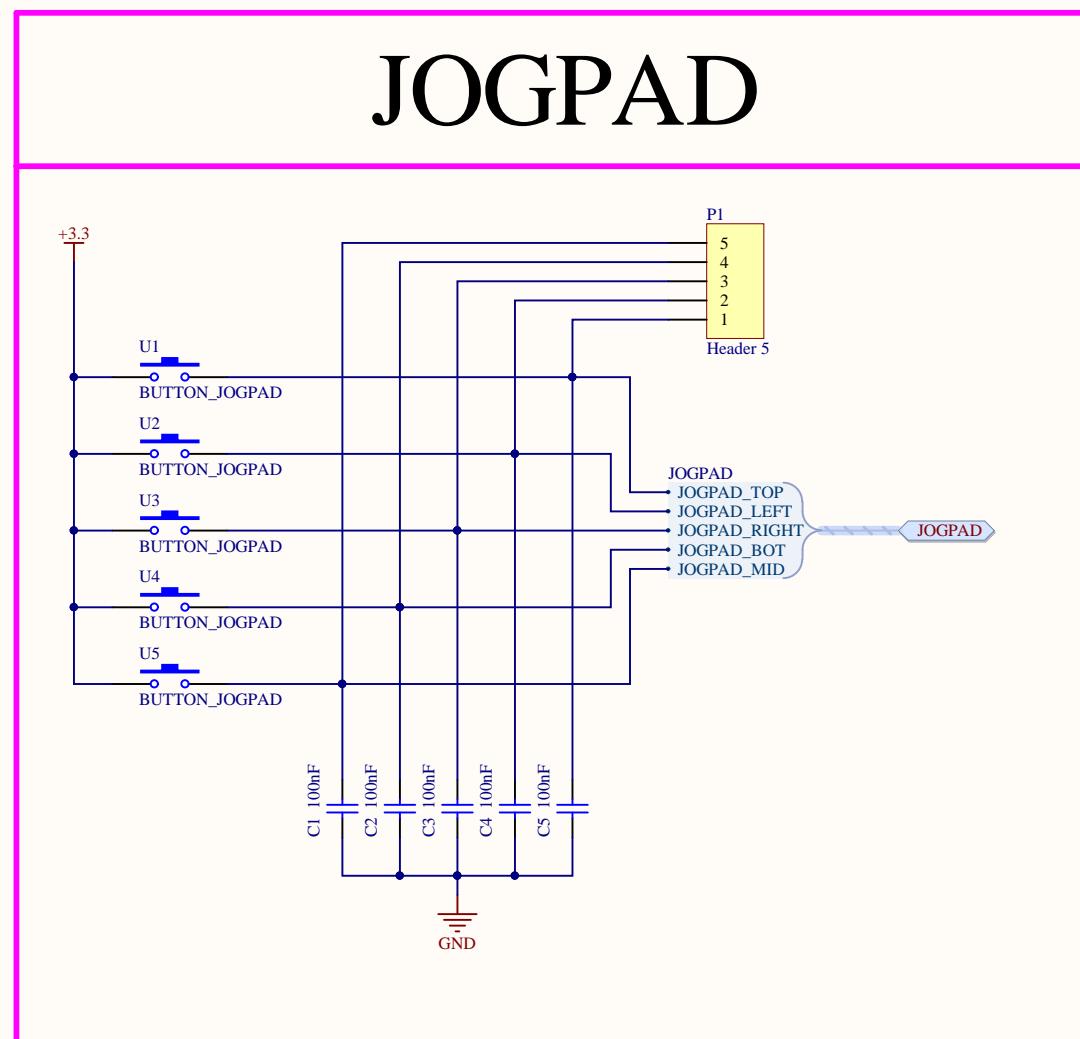


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Swiss Federal Institute of Technology Zurich

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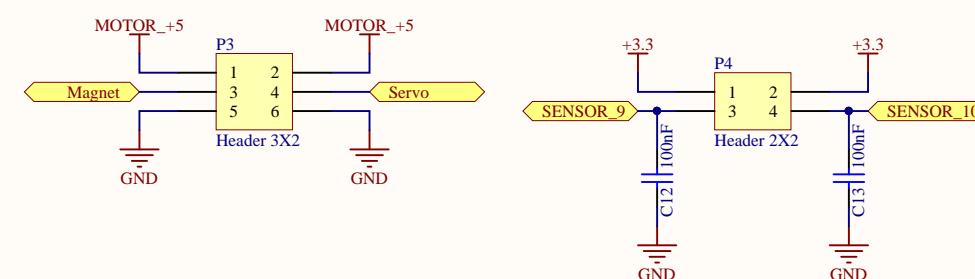
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Connectors



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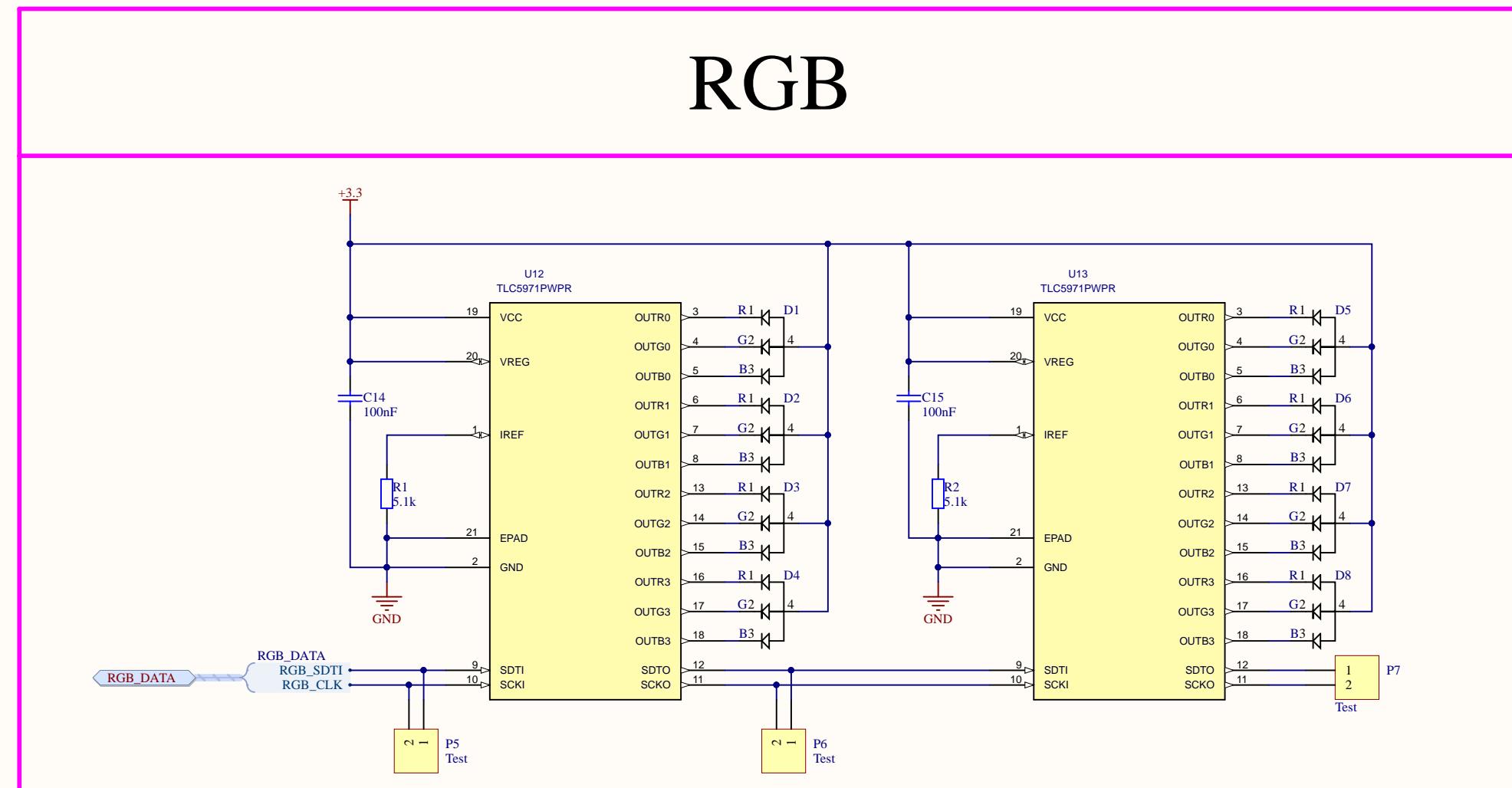
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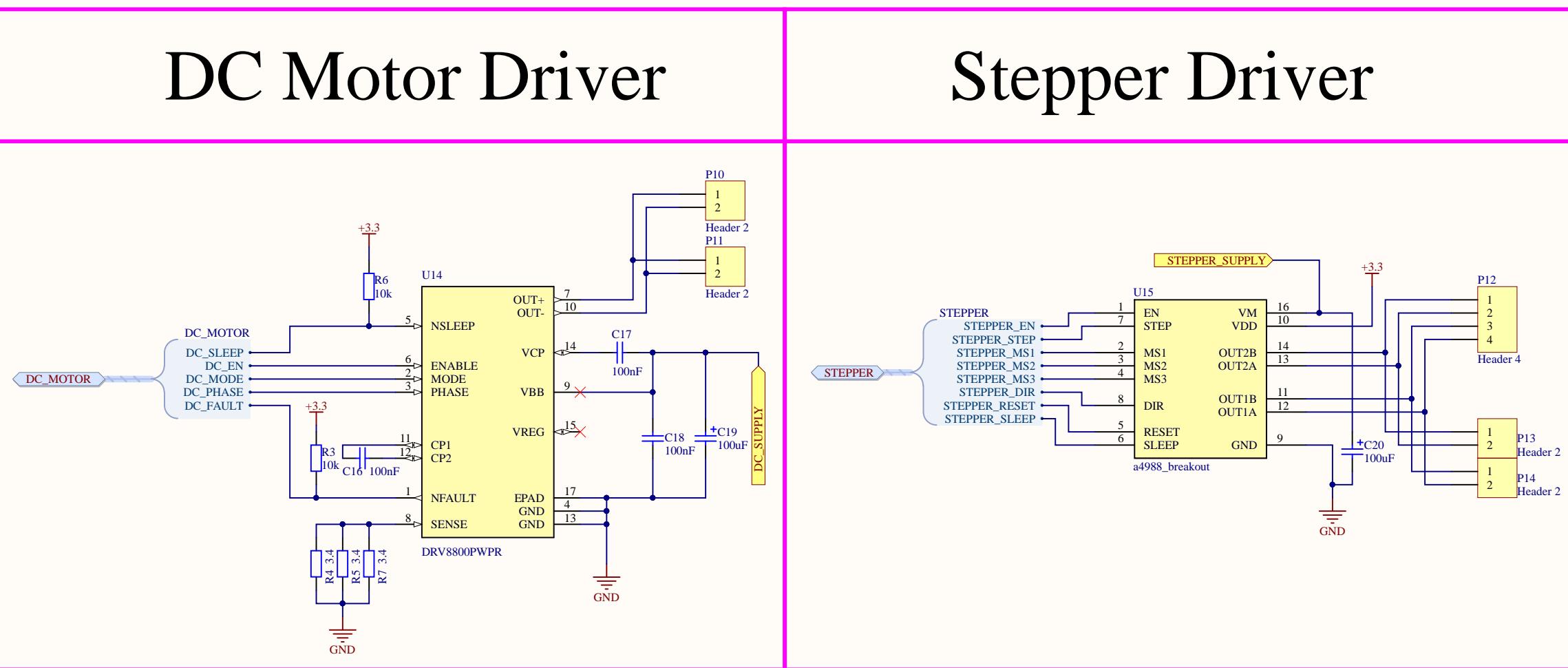
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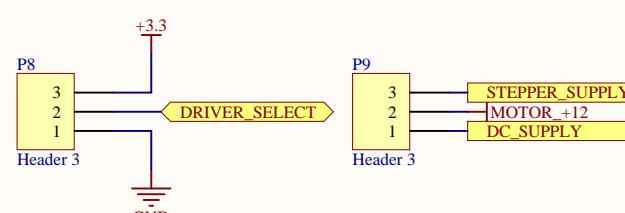
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File: D:\onedrive\TBZ\Projekt BMS LM - Dokumente\PCB\v1.0\BMA_Projektv1\leds.SchDoc



Driver Select

Connect Pin 2 to Pin:
1: DC Motor
3: Stepper Motor

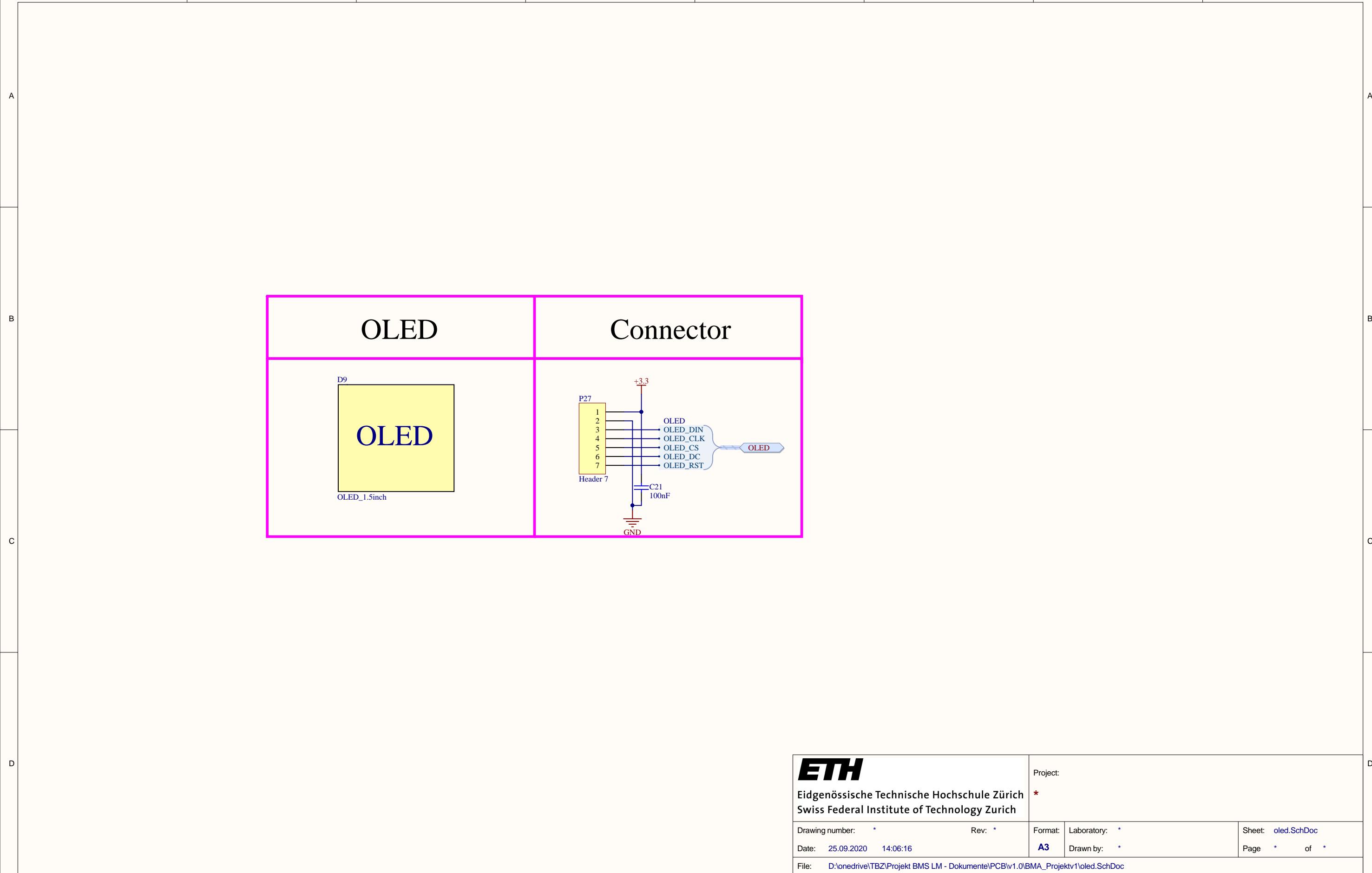


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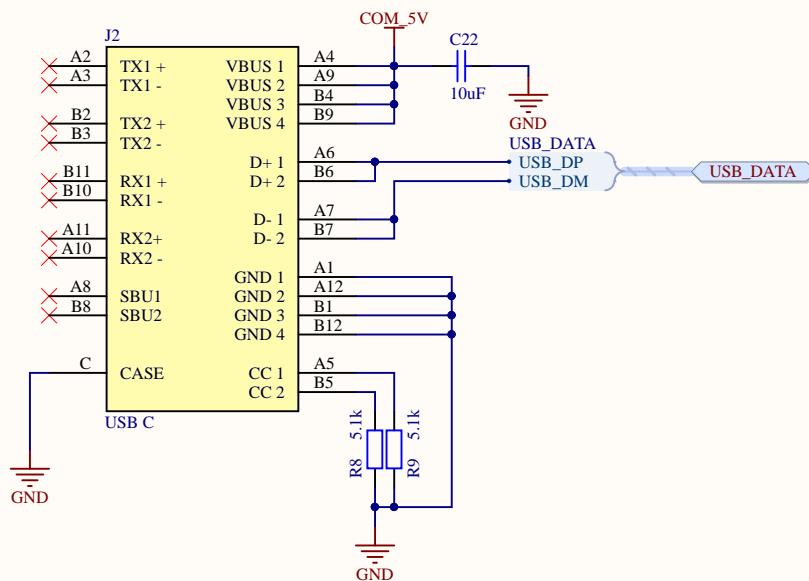
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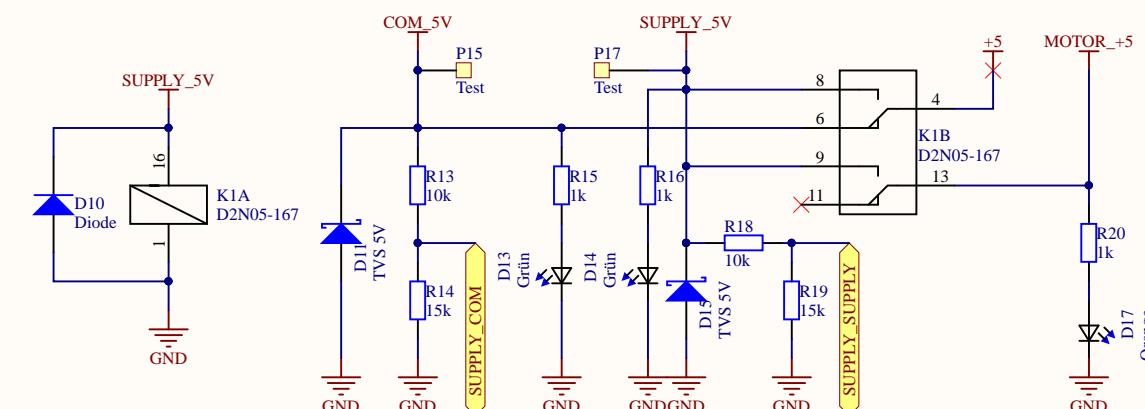


USB

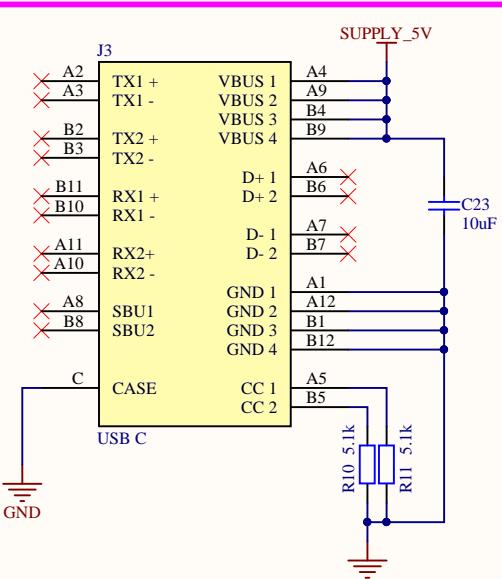
with COM (slave)



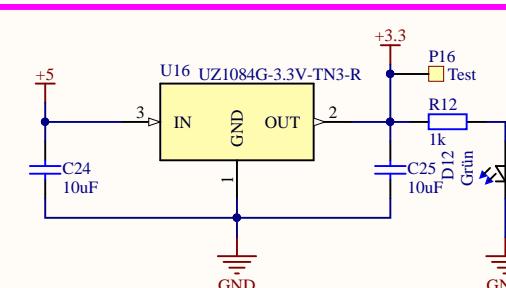
Relay for supply



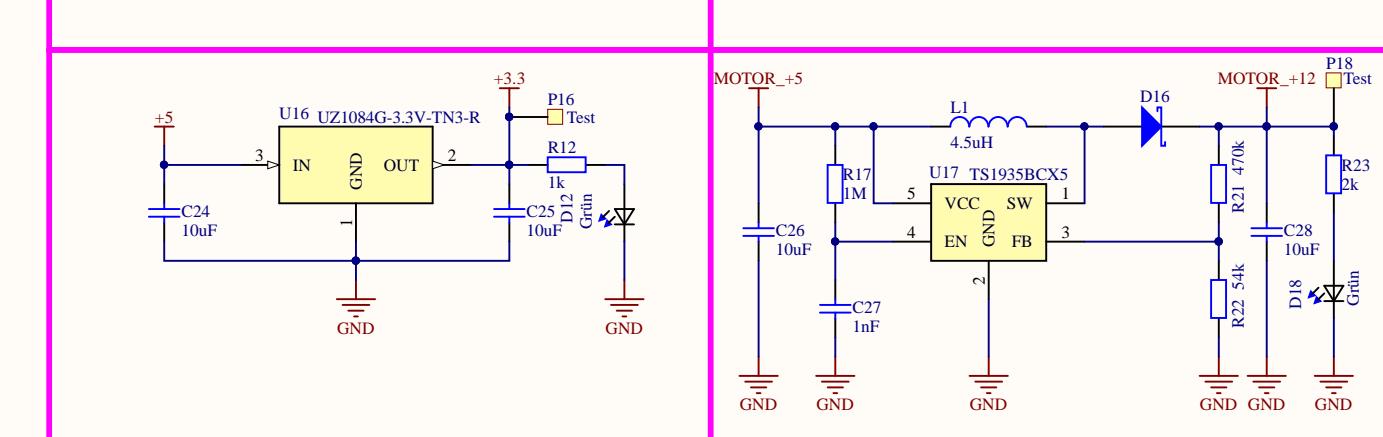
only SUPPLY (master)



5V -> 3.3V



5V -> 12V



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Project:

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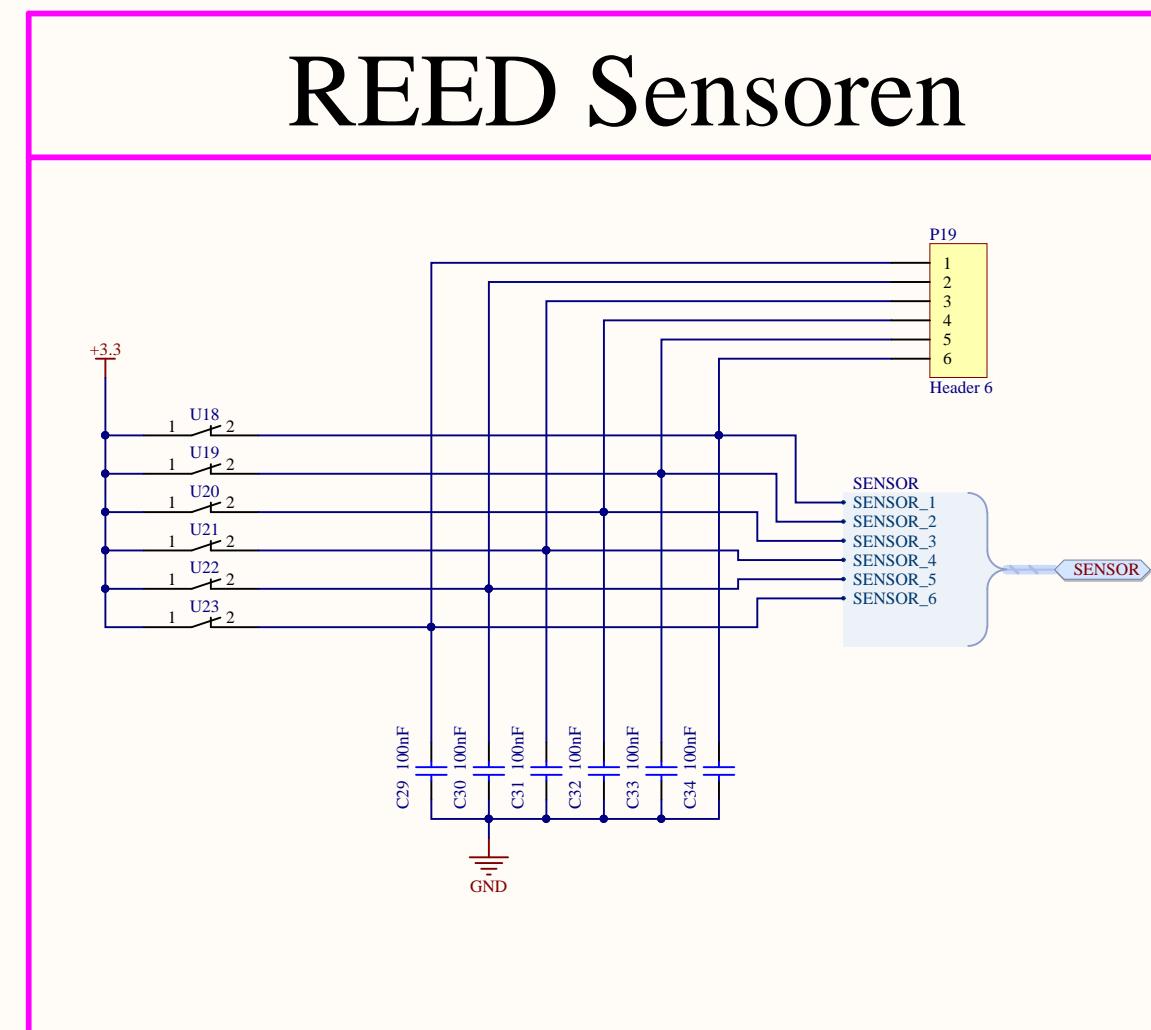
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Date: 25.09.2020 14:06:16

A3

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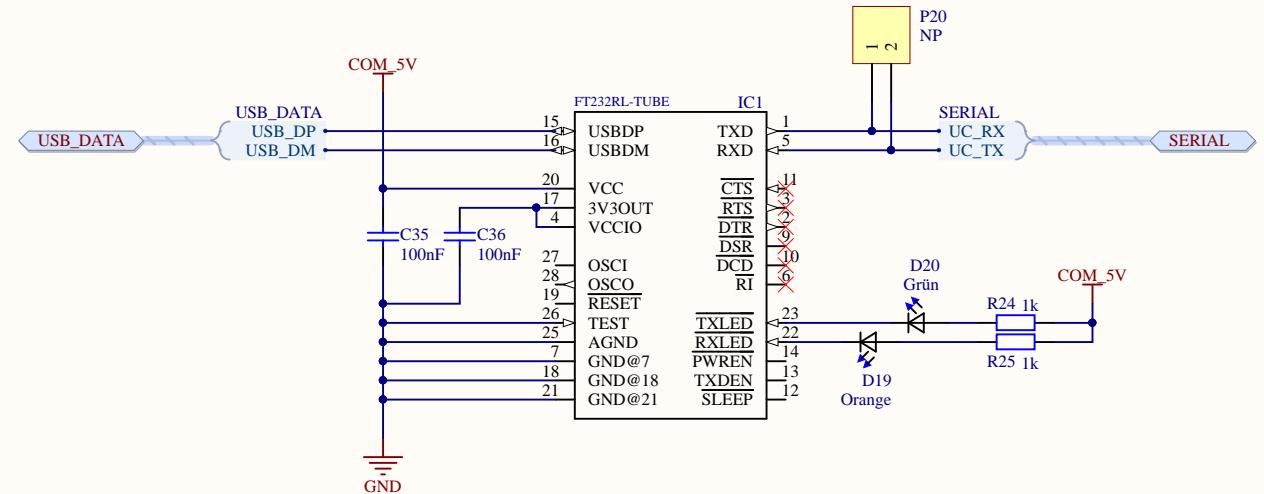
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Drawing number:	*	Rev:	*	Format:	Laboratory:	*	Sheet:	sensor.SchDoc
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SERIAL -> UART



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Project:

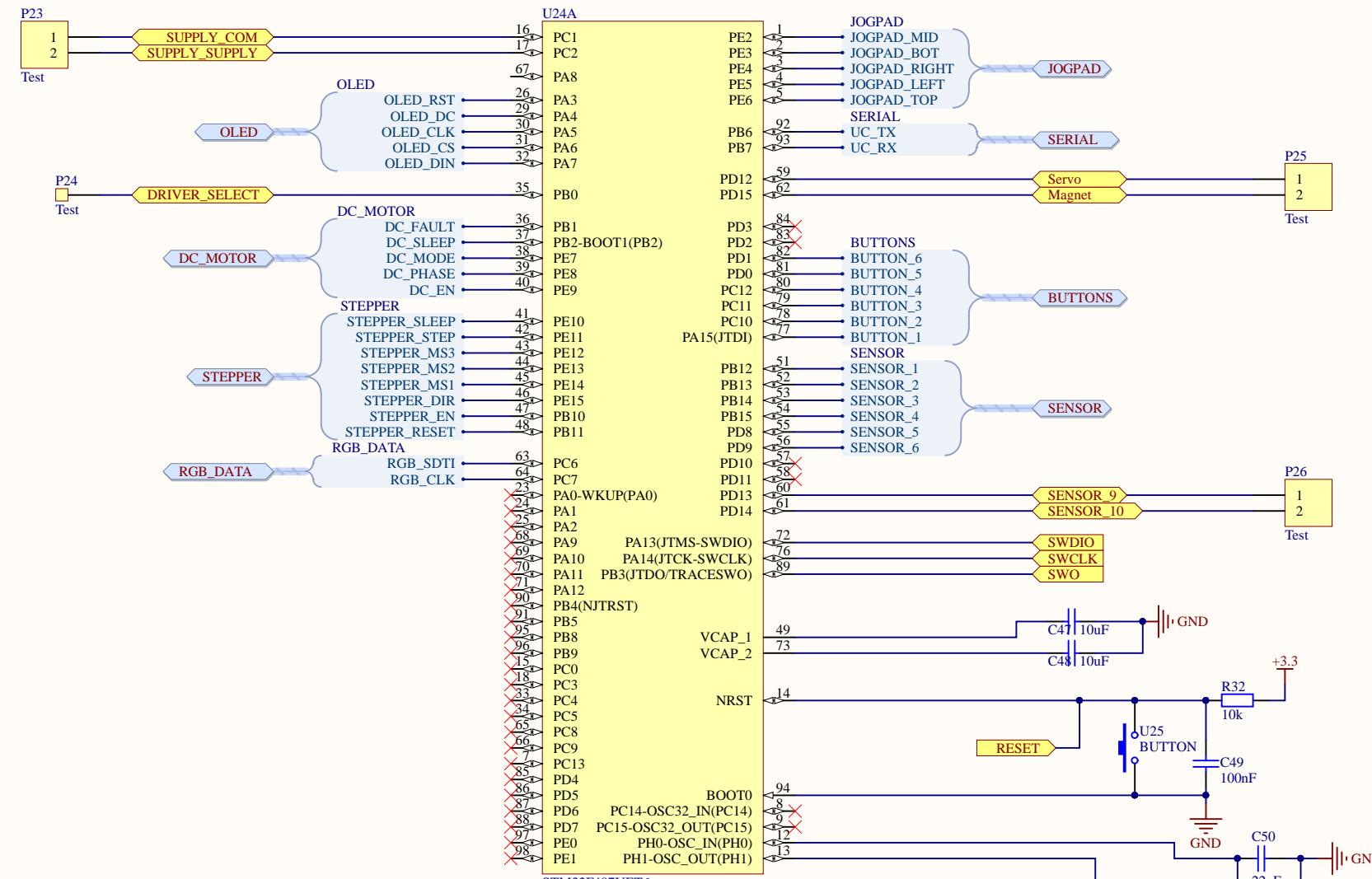
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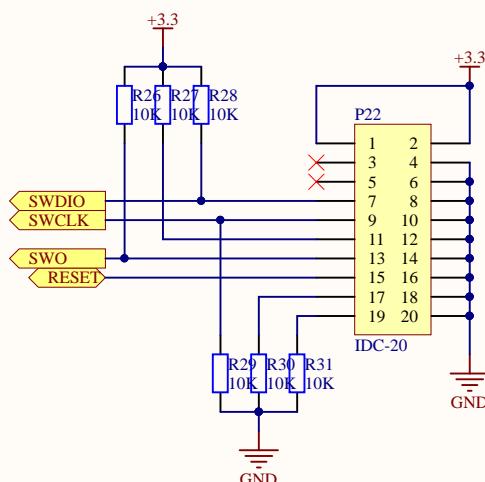
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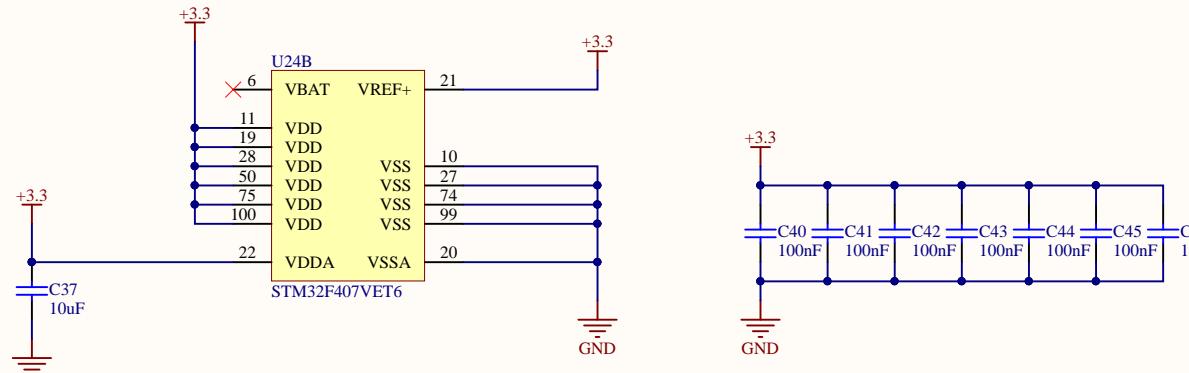
A



B



C



D

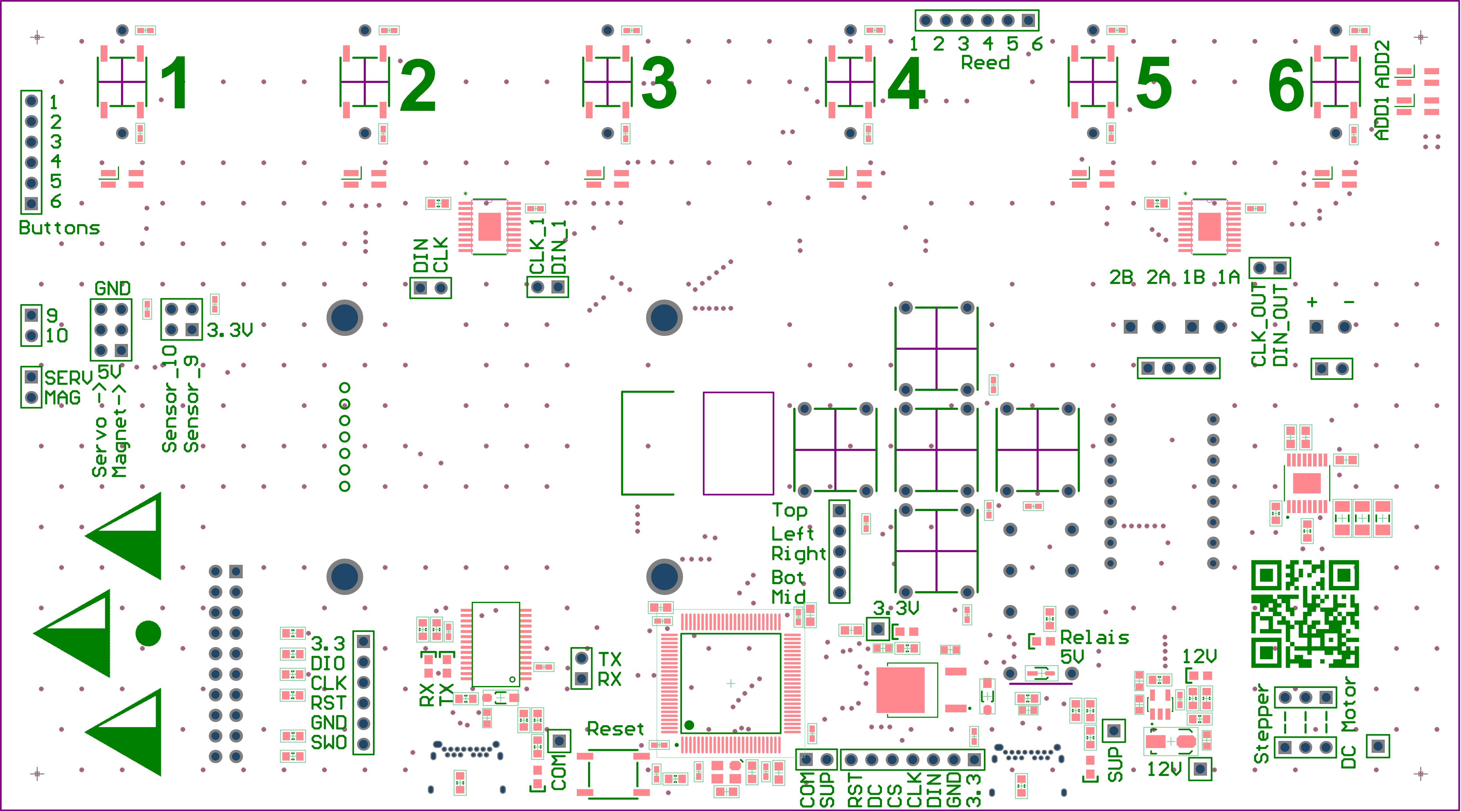


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1
2
3
4
5
6

Buttons

GND
3.3V
Sensor_10
Sensor_9
SERV
MAG
5V-Servo
^-Magnet

BMA Projekt 2020
Belizza - v1.0
Marco Stauder

1

2

3

4

5

6

6 5 4 3 2 1
Reed

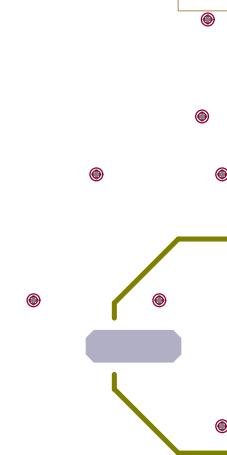
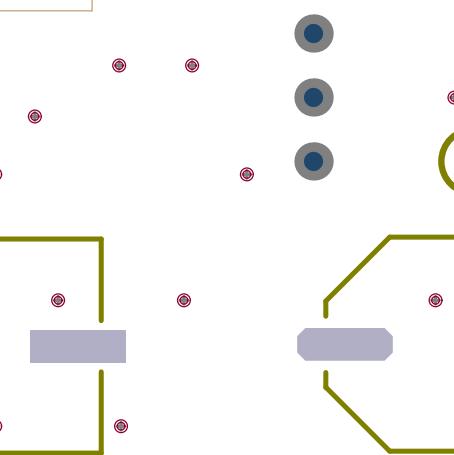
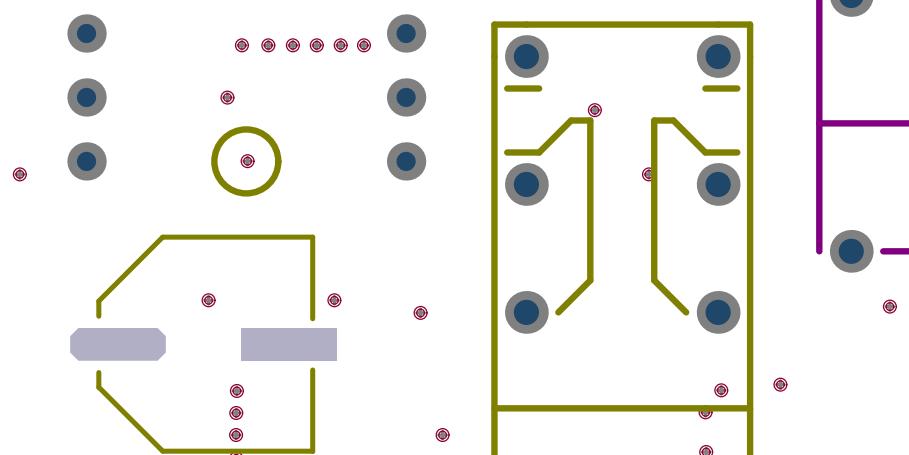
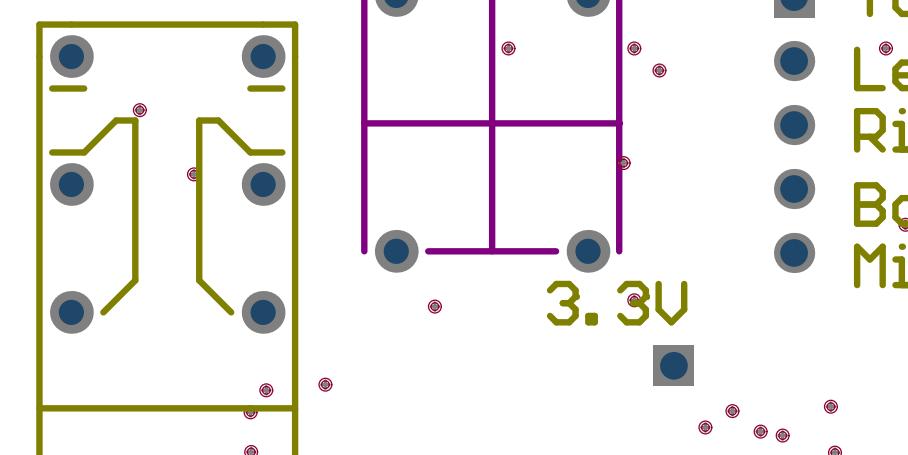
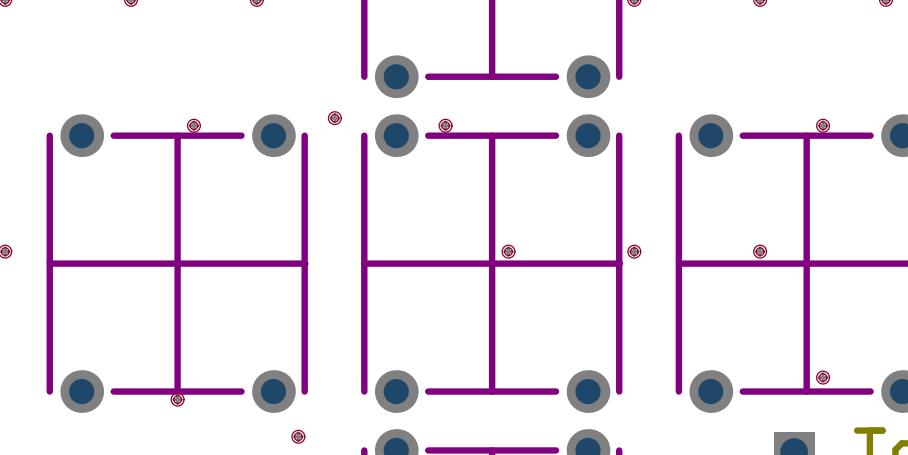
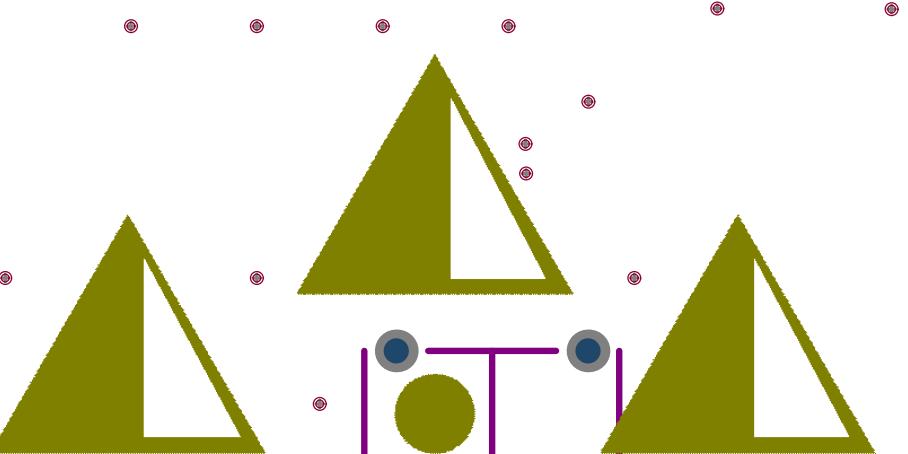
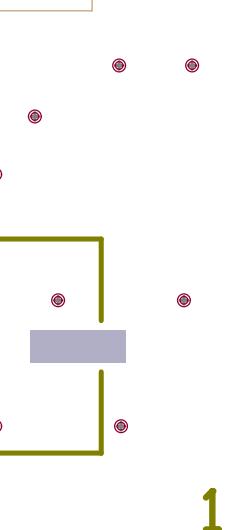
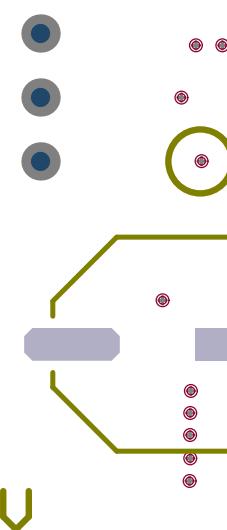
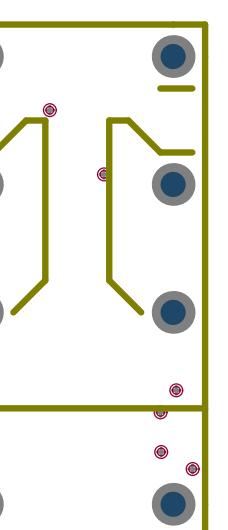
1A 1B 2A 2B
CLK_OUT
DIN_OUT

DIN CLK
CLK_1

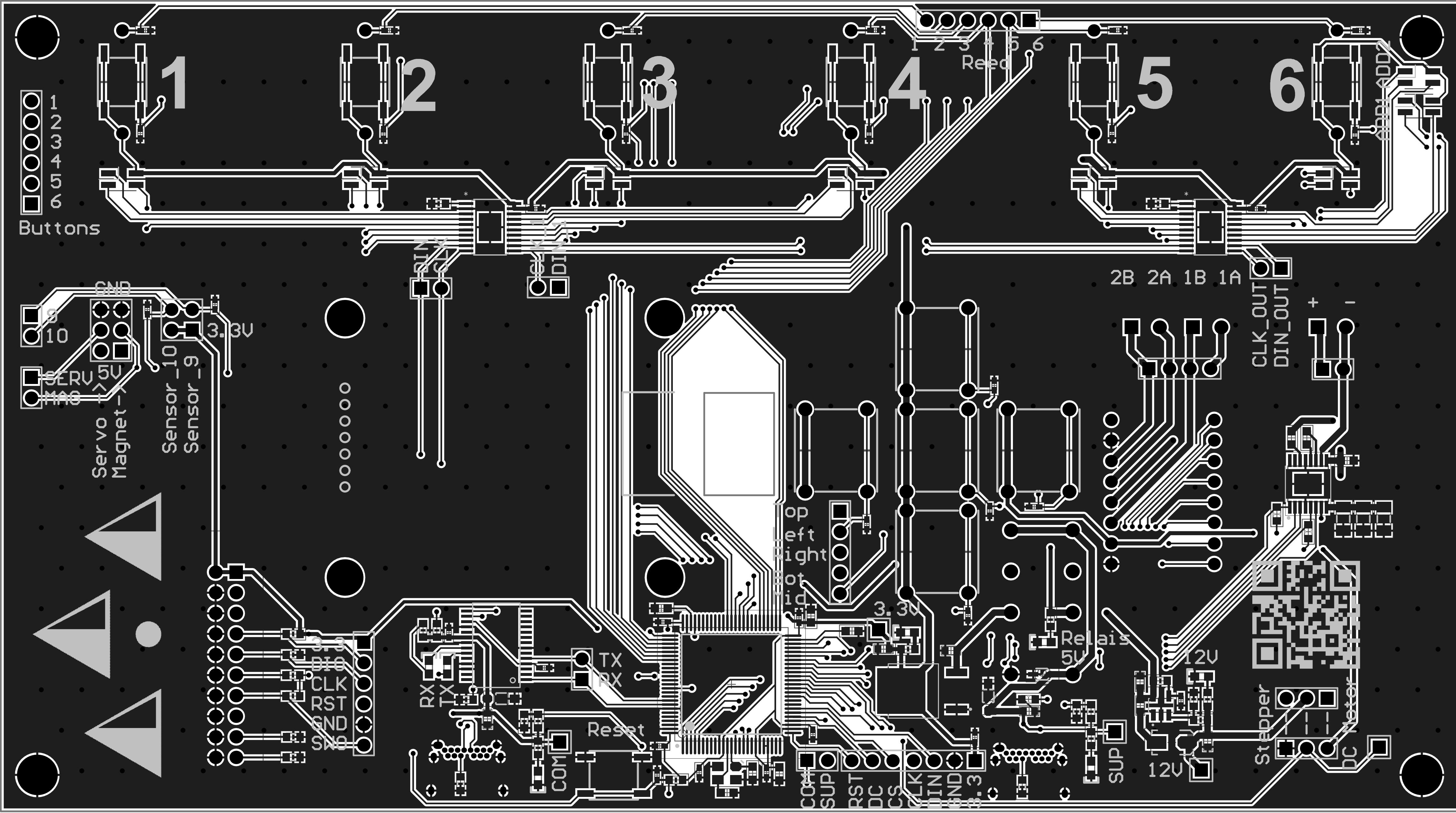


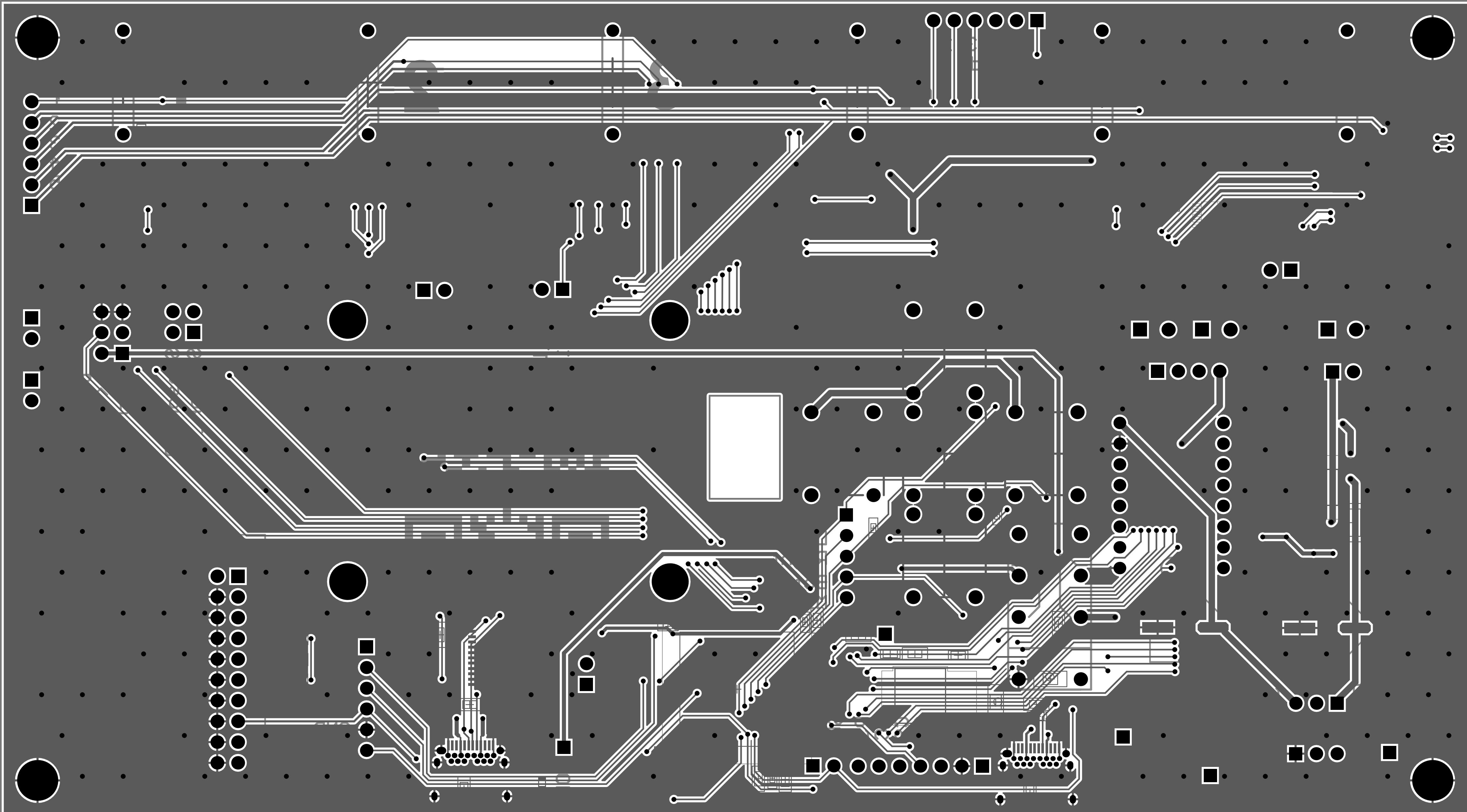
TX RX
COM

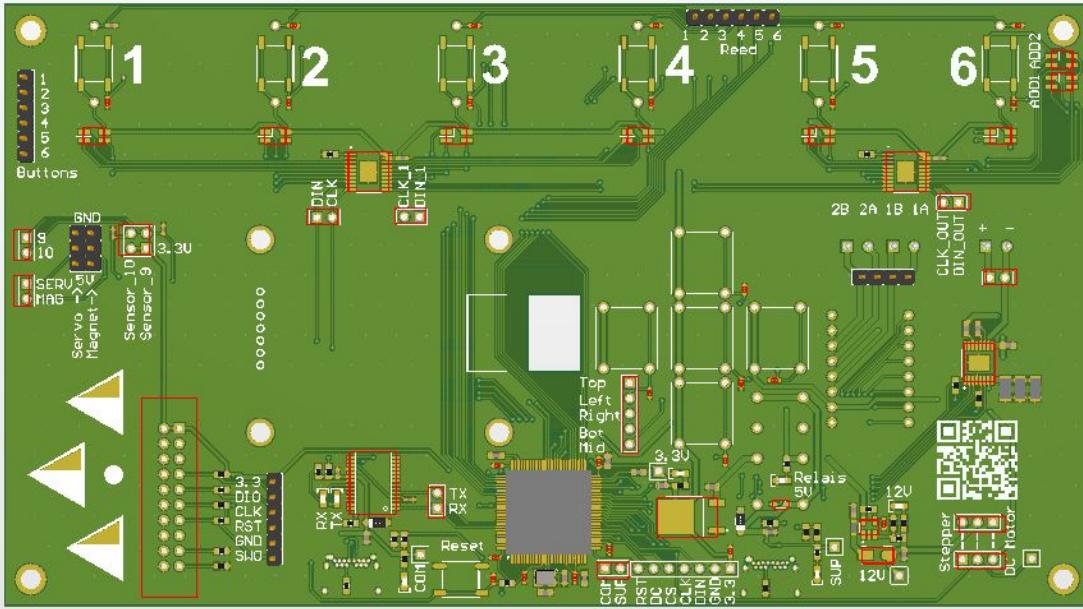
3.3V
COM SUP
CS DE RST
DIN GND CLK
3.3V COM SWO
DI0 CLK RST GND SWO
19 20



Top
Left
Right
Bot
Mid







BMA Projekt 2020
Bel17a - v1.0
Leonardo Wernli
Marco Stauber

Buttons

GND
9
10

Servo
5V
<-Magnet

Sensor_10
Sensor_9

MARCO STAUBER

1

2

3

4

5

6

Reed

1A 1B 2A 2B
CLK_OUT DIN_OUT

DIN CLK
DIN_1



Top
Left
Right
Bot
Mid
3.3V
COM SUP
RST
DC CS DIN GND 3.3

TX RX
COM

3.3 DIO CLK RST GND SWO

20 19

DC Motor
Stepper
12V
dns

12V