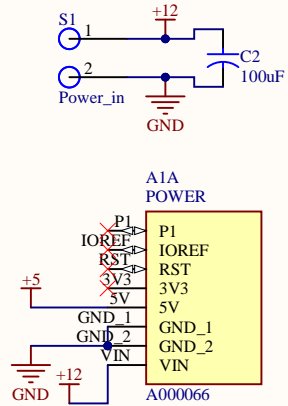
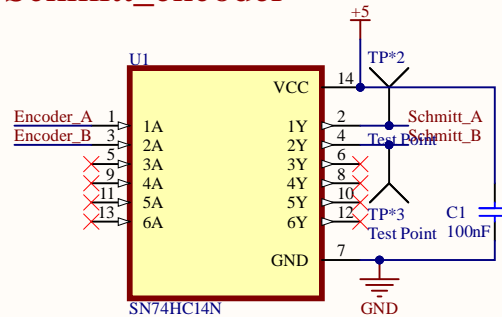
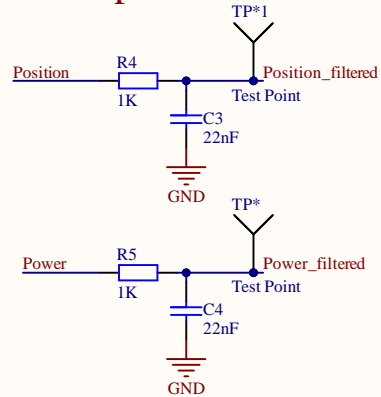


Power



ADC input filters 7.5 kHz LP



I/O

Quadrature

1
2
3
4

R1 10k
R2 10k
R3 1k

Encoder_A
Encoder_B

GND

H_bridge

1
2
3

In1
In2

GND

H_bridge_power

1
2
3

GND

Stepper_motor

1
2
3
4
5

Dir
Step
Position_switch

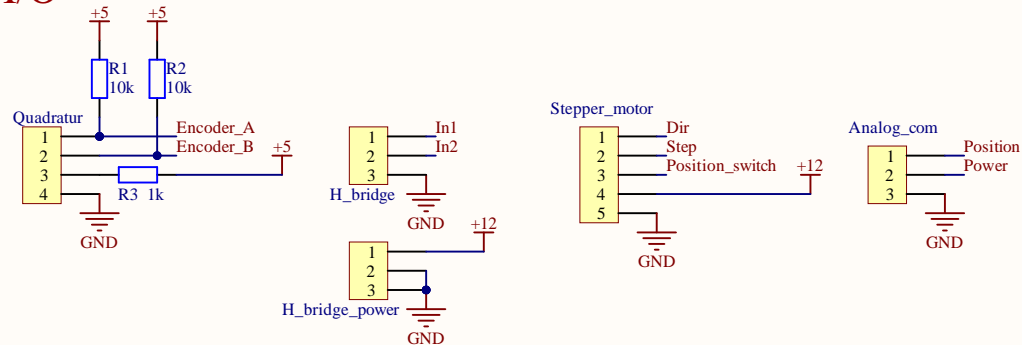
GND

Analog_com

1
2
3

Position
Power

GND



Arduino I/O

ANALOG

Position_filtered A0
Power_filtered A1
A2
A3
A4
A5

A000066

DIGITAL

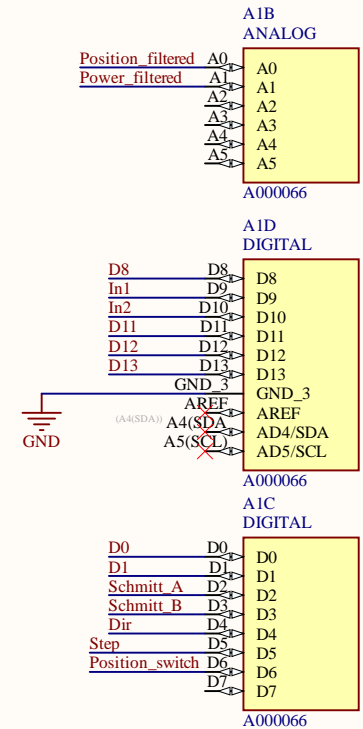
D8
D9
D10
D11
D12
D13
GND_3
AREF
A4(SDA)
A5(SCL)

A000066

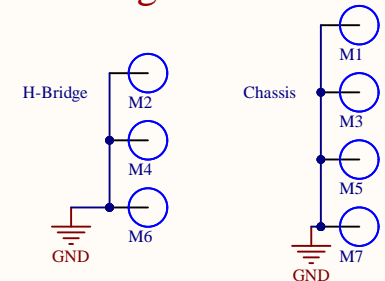
DIGITAL

D0
D1
Schmitt_A
Schmitt_B
Dir
Step
Position_switch
D7

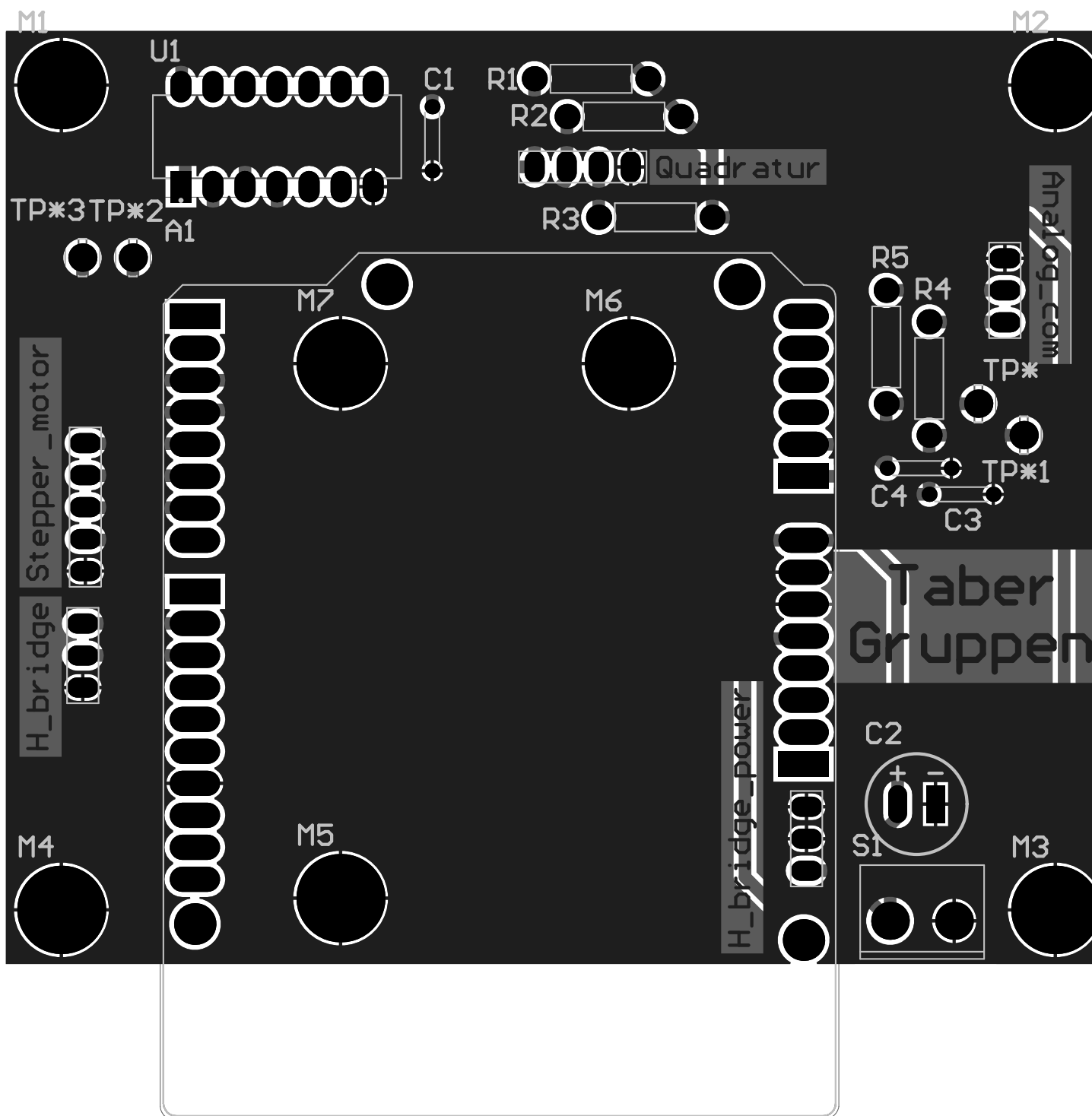
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Mounting holes



Title		
Size A4	Number	Revision
Date:	12-03-2024	Sheet of
File:	C:\Users\...\main.SchDoc	Drawn By:



Board Stack Report