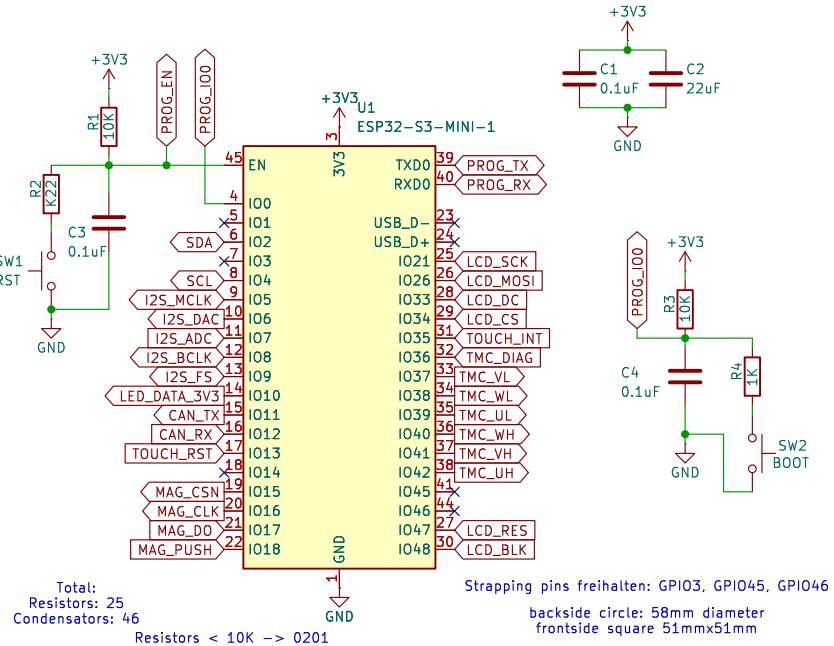
CPU



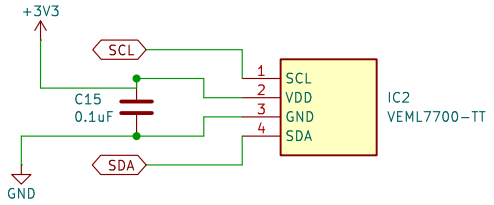
Total:
Resistors: 25
Condensators: 46

Resistors < 10K -> 0201

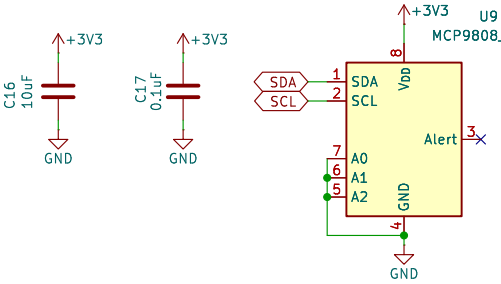
Strapping pins freihalten: GPIO3, GPIO45, GPIO46

backside circle: 58mm diameter
frontside square 51mmx51mm

BRIGHTNESS SENSOR



TEMPERATURE + HUMIDITY



Sub-Sheets

motor
File: motor.kicad_sch

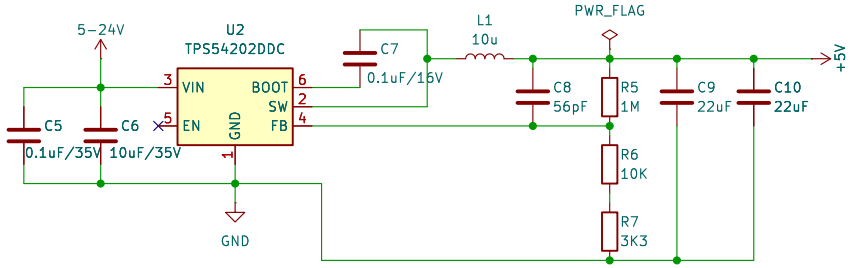
audioamplifier
File: audioamplifier.kicad_sch

RGB-LEDS
File: rgb.kicad_sch

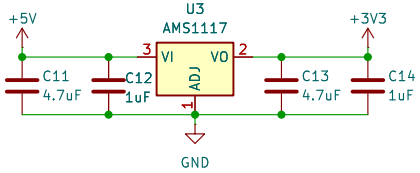
canbus
File: canbus.kicad_sch

display
File: display.kicad_sch

POWER 24V->5V

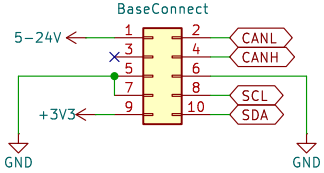


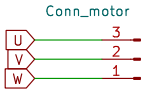
POWER 5V->3V3

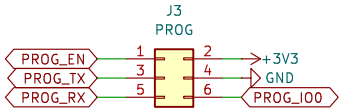


CONN

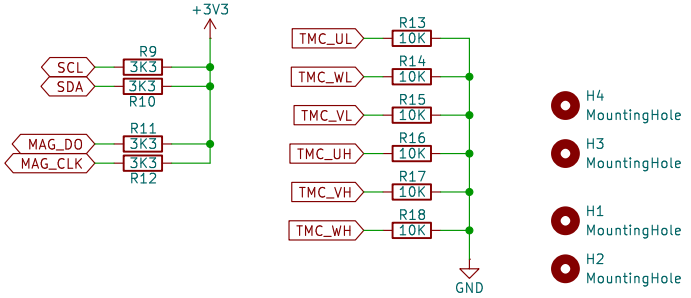
Conn Rückseite:
24V,GND,CAN+,CAN-,I2C







PULL-UPS/DOWNS



H4 MountingHole
H3 MountingHole
H1 MountingHole
H2 MountingHole

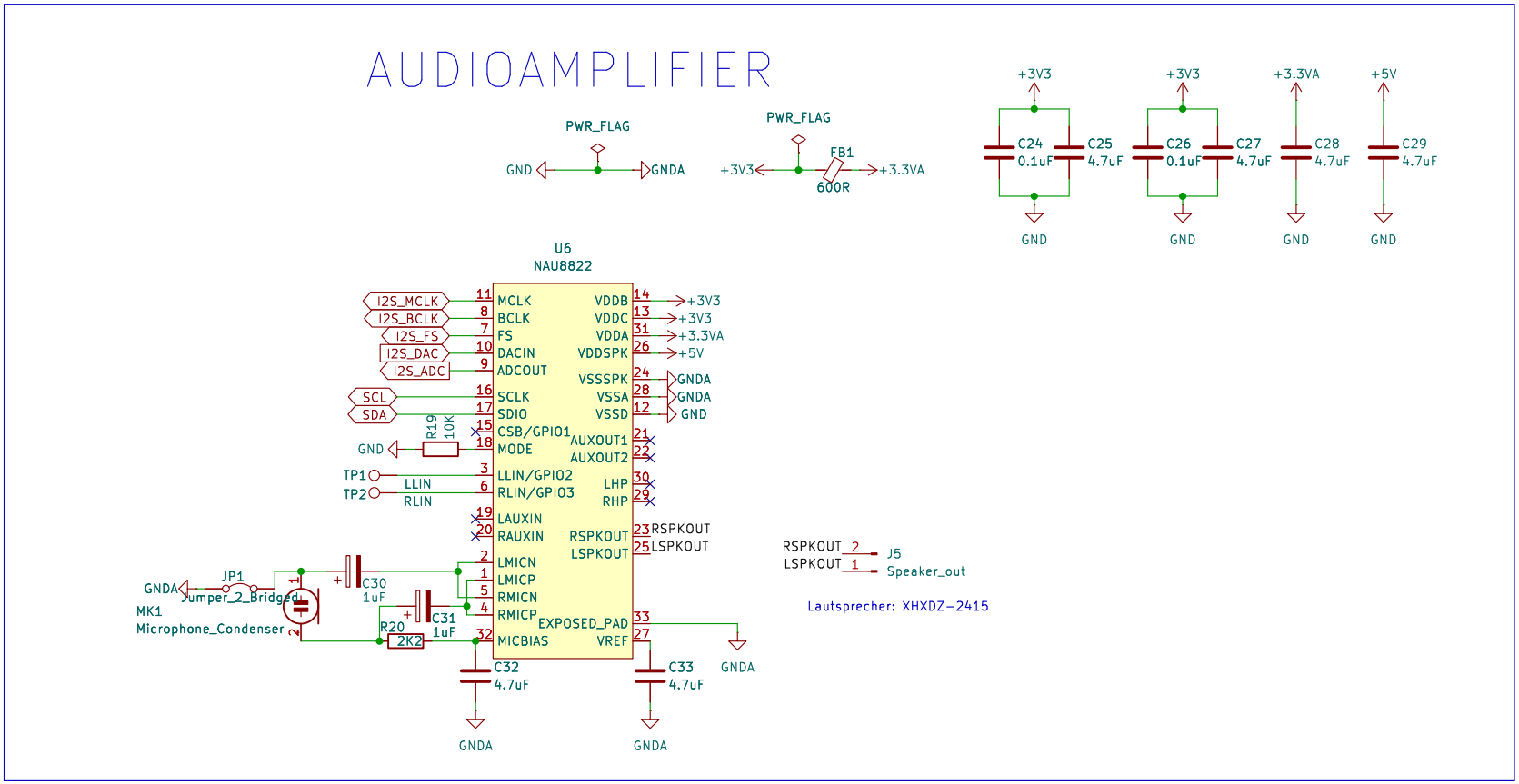
Lucas Canete

Sheet: /
File: SmartKnob_Bachelorarbeit.kicad_sch

Title: SmartKnob

Size: A4	Date: 2025-01-13	**Rev: V1**
KiCad E.D.A. 9.0.2		Id: 1/6

AUDIOAMPLIFIER



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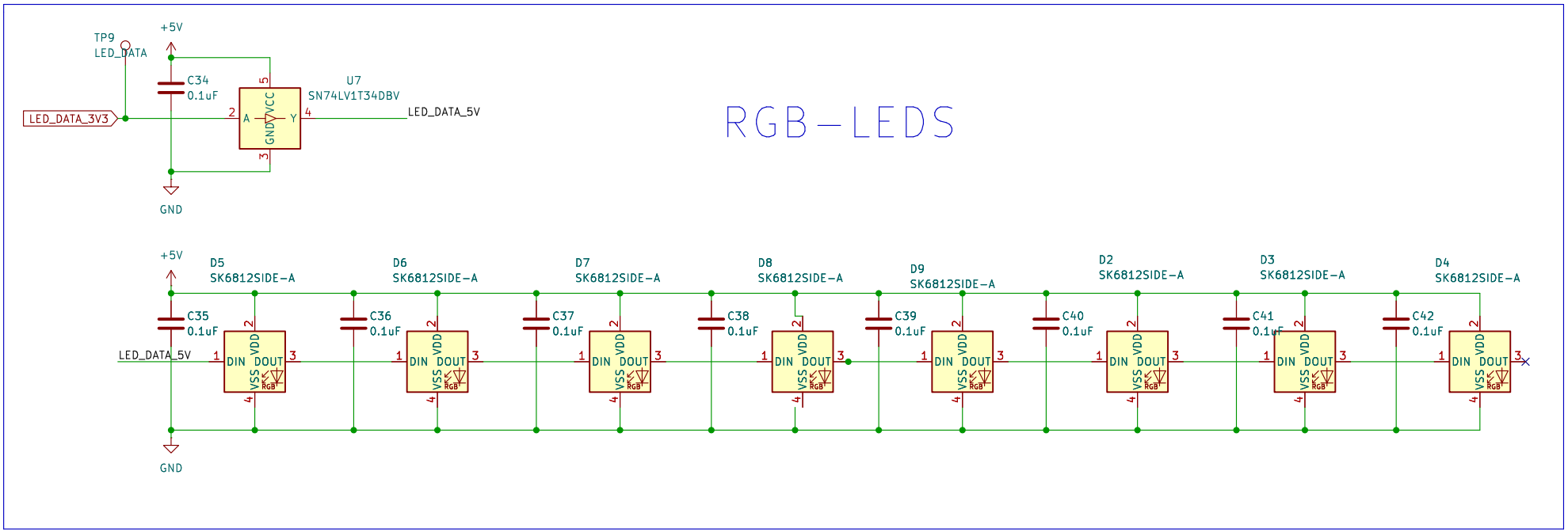
KiCad E.D.A. 9.0.2		Id: 2/6



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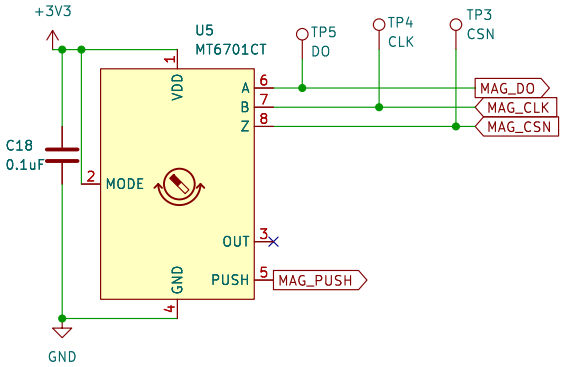
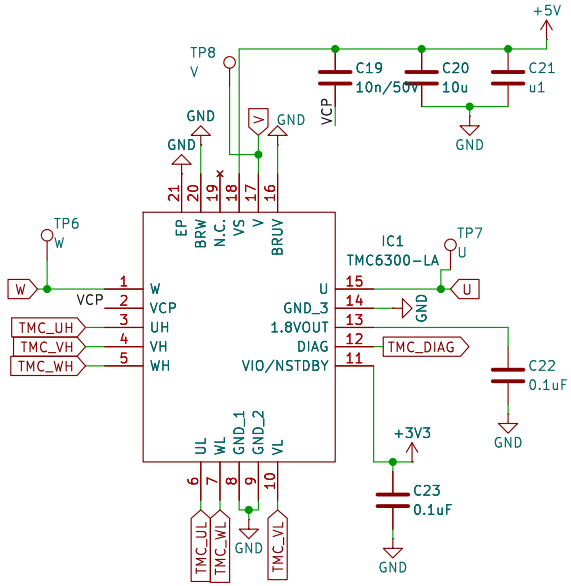
KiCad E.D.A. 9.0.2		Id: 3/6

MAGNETIC ENCODER



MOTOR DRIVER



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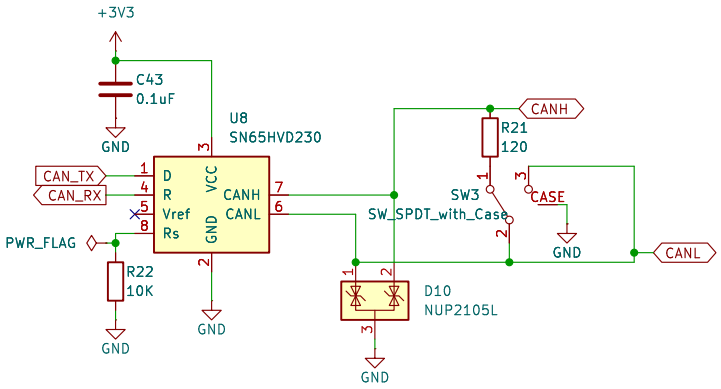
KiCad E.D.A. 9.0.2		Id: 4/6

CAN-BUS



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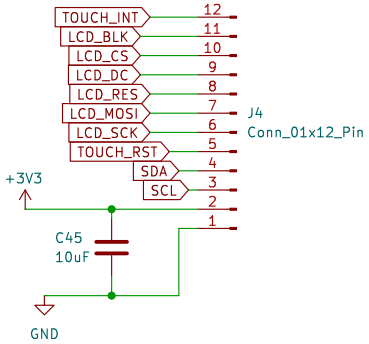
KiCad E.D.A. 9.0.2		Id: 5/6

GC9A01 DISPLAY



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KiCad E.D.A. 9.0.2		Id: 6/6