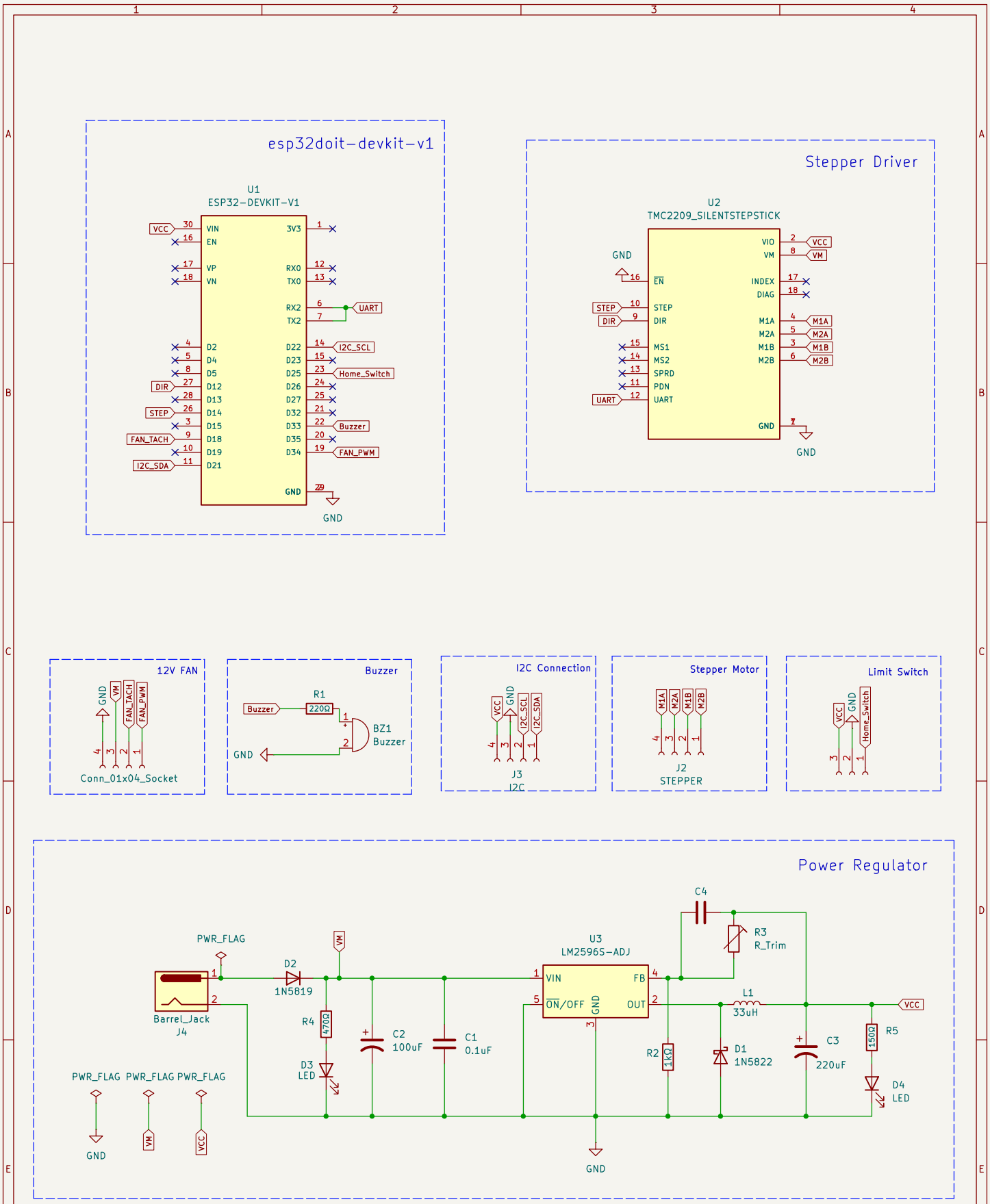
esp32doit-devkit-v1
U1
ESP32-DEVKIT-V1
VIN
EN
VP
VN
3V3
RX0
TX0
RX2
TX2
D2
D4
D5
D12
D13
D14
D15
D18
D19
D21
D22
D23
D25
D26
D27
D32
D33
D35
D34
GND
VCC
UART
I2C_SCL
Home_Switch
DIR
STEP
Buzzer
FAN_TACH
FAN_PWM
I2C_SDA
GND
Stepper Driver
U2
TMC2209_SILENTSTEPSTICK
VIO
VM
EN
INDEX
DIAG
STEP
DIR
M1A
M2A
M1B
M2B
MS1
MS2
SPRD
PDN
UART
GND
12V FAN
Conn_01x04_Socket
Buzzer
R1
220Ω
BZ1
Buzzer
I2C Connection
J3
I2C
Stepper Motor
J2
STEPPER
Limit Switch
Power Regulator
PWR_FLAG
Barrel_Jack
J4
D2
1N5819
R4
470Ω
D3
LED
C2
100uF
C1
0.1uF
U3
LM2596S-ADJ
VIN
ON/OFF
FB
OUT
C4
R3
R_Trim
L1
33uH
R2
1kΩ
D1
1N5822
C3
220uF
R5
150Ω
D4
LED
VCC
VM
ASQII
File: esp32_driver.kicad_sch
Title: DJIN
Size: A4
Date: 2024-07-03
Rev: 1.0
KiCad E.D.A. 8.0.3
Id: 1/1