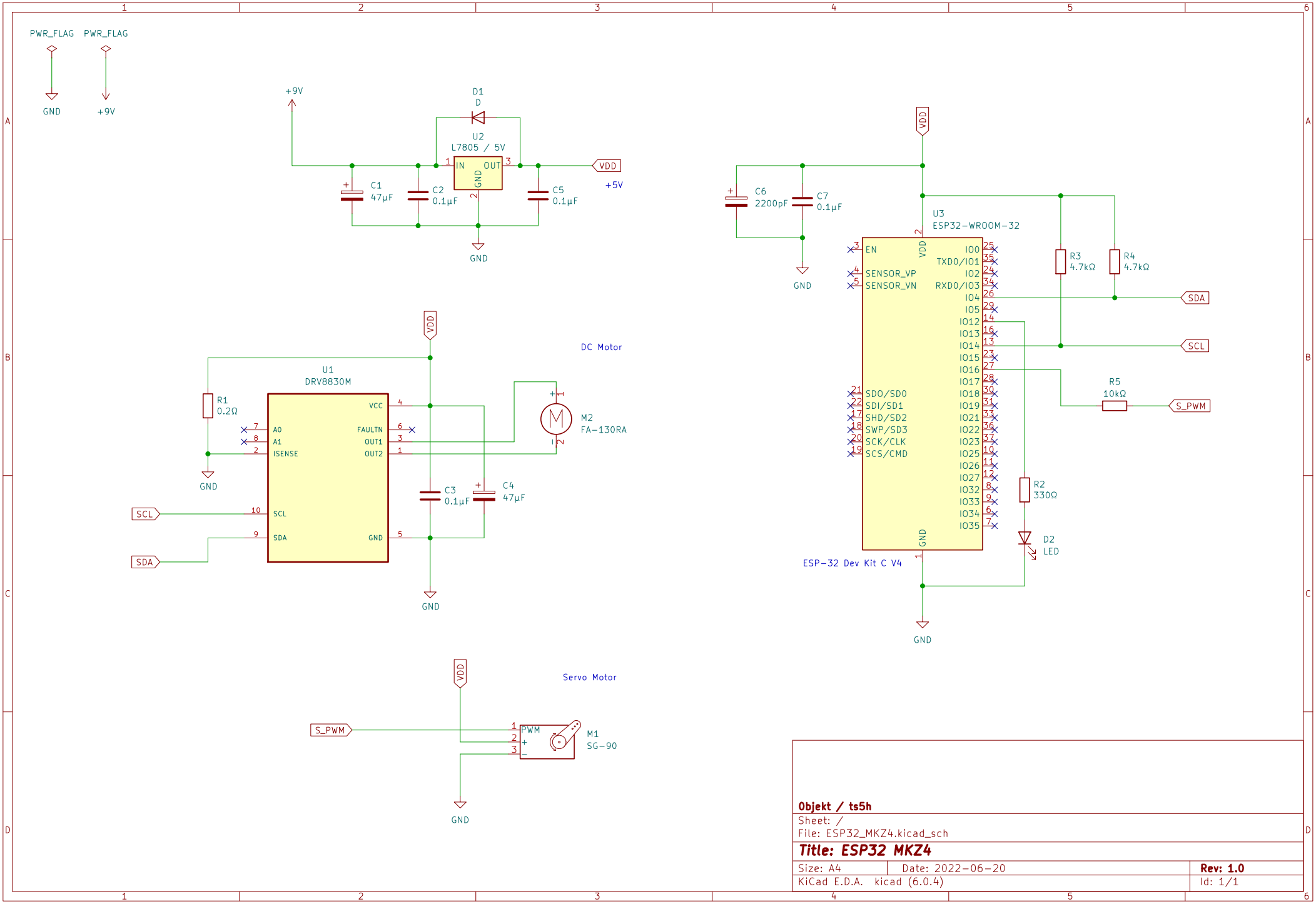
PWR_FLAG
PWR_FLAG
GND
+9V
+9V
D1
D
U2
L7805 / 5V
IN
OUT
GND
C1
47µF
C2
0.1µF
C5
0.1µF
VDD
+5V
GND
C6
2200pF
C7
0.1µF
U3
ESP32-WROOM-32
EN
SENSOR_VP
SENSOR_VN
SDO/SD0
SDI/SD1
SHD/SD2
SWP/SD3
SCK/CLK
SCS/CMD
IO0
TXD0/IO1
IO2
RXD0/IO3
IO4
IO5
IO12
IO13
IO14
IO15
IO16
IO17
IO18
IO19
IO21
IO22
IO23
IO25
IO26
IO27
IO32
IO33
IO34
IO35
R3
4.7kΩ
R4
4.7kΩ
SDA
SCL
R5
10kΩ
S_PWM
R2
330Ω
D2
LED
ESP-32 Dev Kit C V4
DC Motor
U1
DRV8830M
R1
0.2Ω
A0
A1
ISENSE
VCC
FAULTN
OUT1
OUT2
SCL
SDA
GND
M2
FA-130RA
C3
0.1µF
C4
47µF
Servo Motor
PWM
M1
SG-90
Objekt / ts5h
Sheet: /
File: ESP32_MKZ4.kicad_sch
Title: ESP32 MKZ4
Size: A4
Date: 2022-06-20
Rev: 1.0
KiCad E.D.A. kicad (6.0.4)
Id: 1/1