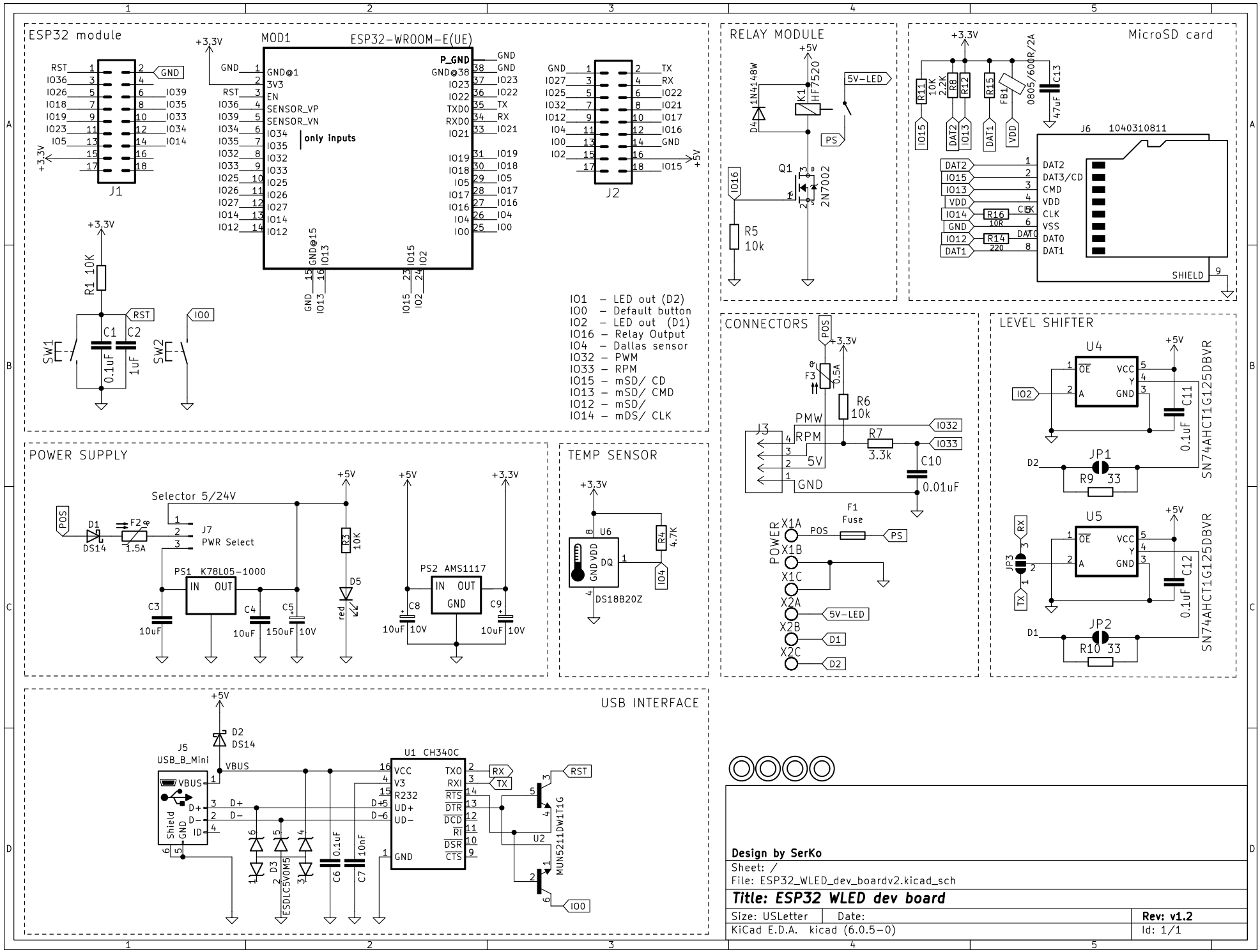
ESP32 module
MOD1
ESP32-WROOM-E(UE)
only inputs
J1
J2
R1 10K
SW1
SW2
C1 0.1uF
C2 1uF
IO1 – LED out (D2)
IO0 – Default button
IO2 – LED out (D1)
IO16 – Relay Output
IO4 – Dallas sensor
IO32 – PWM
IO33 – RPM
IO15 – mSD/ CD
IO13 – mSD/ CMD
IO12 – mSD/
IO14 – mDS/ CLK
RELAY MODULE
K1 HF7520
1N4148W
Q1 2N7002
R5 10k
5V-LED
MicroSD card
J6 1040310811
R11 10K
R8 2.2K
R12
R15
FB1 0805/600R/2A
C13 47uF
R16 10R
R14 220
SHIELD
POWER SUPPLY
Selector 5/24V
J7 PWR Select
D1 DS14
F2 1.5A
PS1 K78L05-1000
C3 10uF
C4 10uF
C5 150uF 10V
R3 10K
D5 red
PS2 AMS1117
C8 10uF 10V
C9 10uF 10V
TEMP SENSOR
U6 DS18B20Z
R4 4.7K
CONNECTORS
F3 0.5A
R6 10k
J3
R7 3.3k
C10 0.01uF
F1 Fuse
POWER
X1A
X1B
X1C
X2A
X2B
X2C
LEVEL SHIFTER
U4 SN74AHCT1G125DBVR
U5 SN74AHCT1G125DBVR
C11 0.1uF
C12 0.1uF
JP1
JP2
R9 33
R10 33
USB INTERFACE
J5 USB_B_Mini
D2 DS14
U1 CH340C
D3 ESDLC5V0M5
C6 0.1uF
C7 10nF
U2 MUN5211DW1T1G
Design by SerKo
Sheet: /
File: ESP32_WLED_dev_boardv2.kicad_sch
Title: ESP32 WLED dev board
Size: USLetter
Date:
Rev: v1.2
KiCad E.D.A. kicad (6.0.5-0)
Id: 1/1