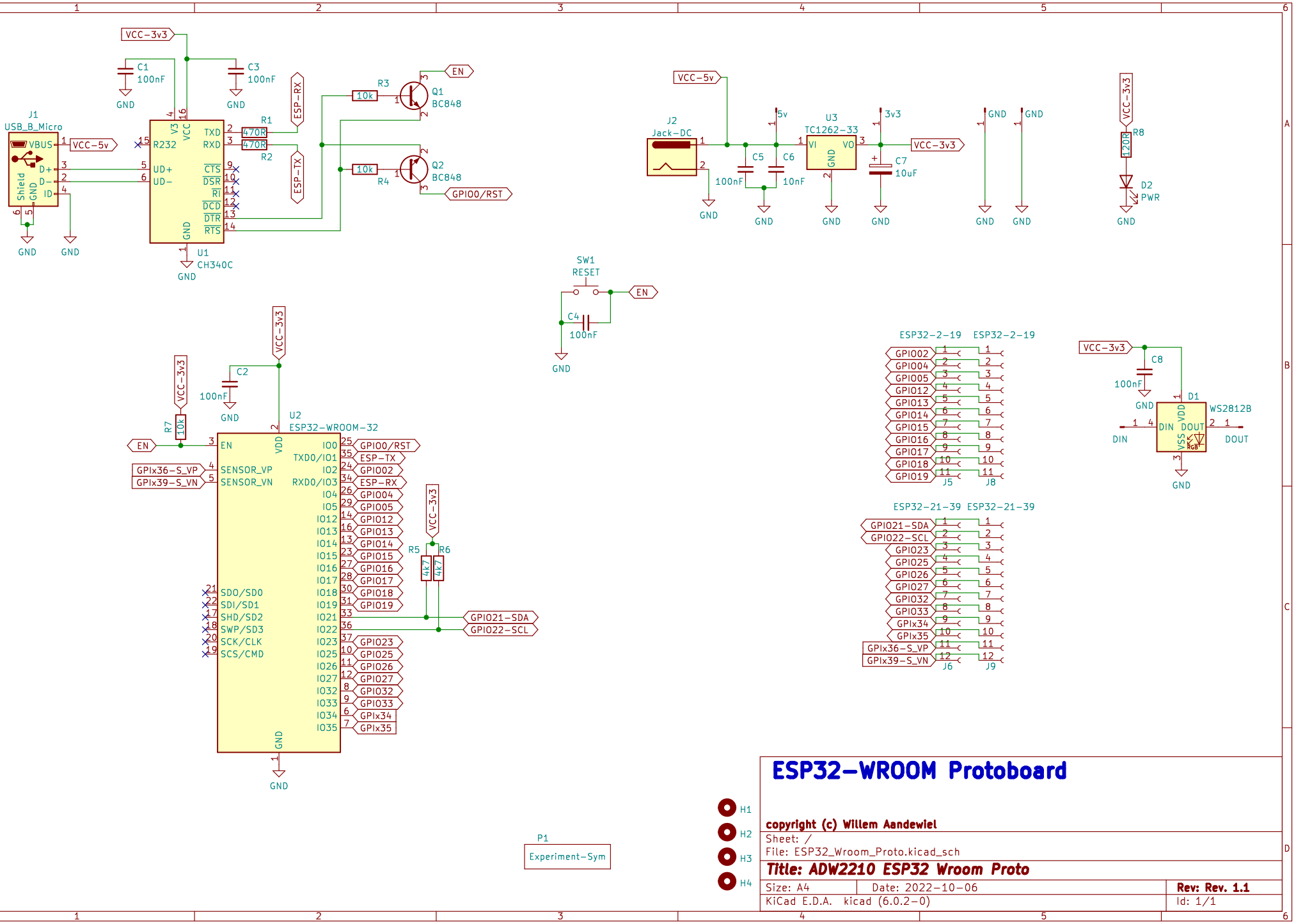
VCC-3v3
C1
100nF
C3
100nF
GND
J1
USB_B_Micro
VBUS
VCC-5v
D+
D-
ID
Shield
GND
R232
VCC
TXD
RXD
CTS
DSR
RI
DCD
DTR
RTS
U1
CH340C
R1
470R
R2
470R
ESP-RX
ESP-TX
R3
10k
R4
10k
Q1
BC848
Q2
BC848
EN
GPIO0/RST
J2
Jack-DC
5v
U3
TC1262-33
VI
VO
3v3
C5
100nF
C6
10nF
C7
10uF
R8
120R
D2
PWR
SW1
RESET
C4
100nF
C2
100nF
R7
10k
U2
ESP32-WROOM-32
SENSOR_VP
SENSOR_VN
SDO/SD0
SDI/SD1
SHD/SD2
SWP/SD3
SCK/CLK
SCS/CMD
TXD0/IO1
RXD0/IO3
R5
4k7
R6
4k7
GPIO21-SDA
GPIO22-SCL
GPIO23
GPIO25
GPIO26
GPIO27
GPIO32
GPIO33
GPIx34
GPIx35
GPIx36-S_VP
GPIx39-S_VN
GPIO2
GPIO4
GPIO5
GPIO12
GPIO13
GPIO14
GPIO15
GPIO16
GPIO17
GPIO18
GPIO19
ESP32-2-19
J5
J8
ESP32-21-39
J6
J9
C8
100nF
D1
WS2812B
DIN
DOUT
VDD
VSS
RGB
P1
Experiment-Sym
H1
H2
H3
H4
ESP32-WROOM Protoboard
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Sheet: /
File: ESP32_Wroom_Proto.kicad_sch
Title: ADW2210 ESP32 Wroom Proto
Size: A4
Date: 2022-10-06
Rev: Rev. 1.1
KiCad E.D.A. kicad (6.0.2-0)
Id: 1/1