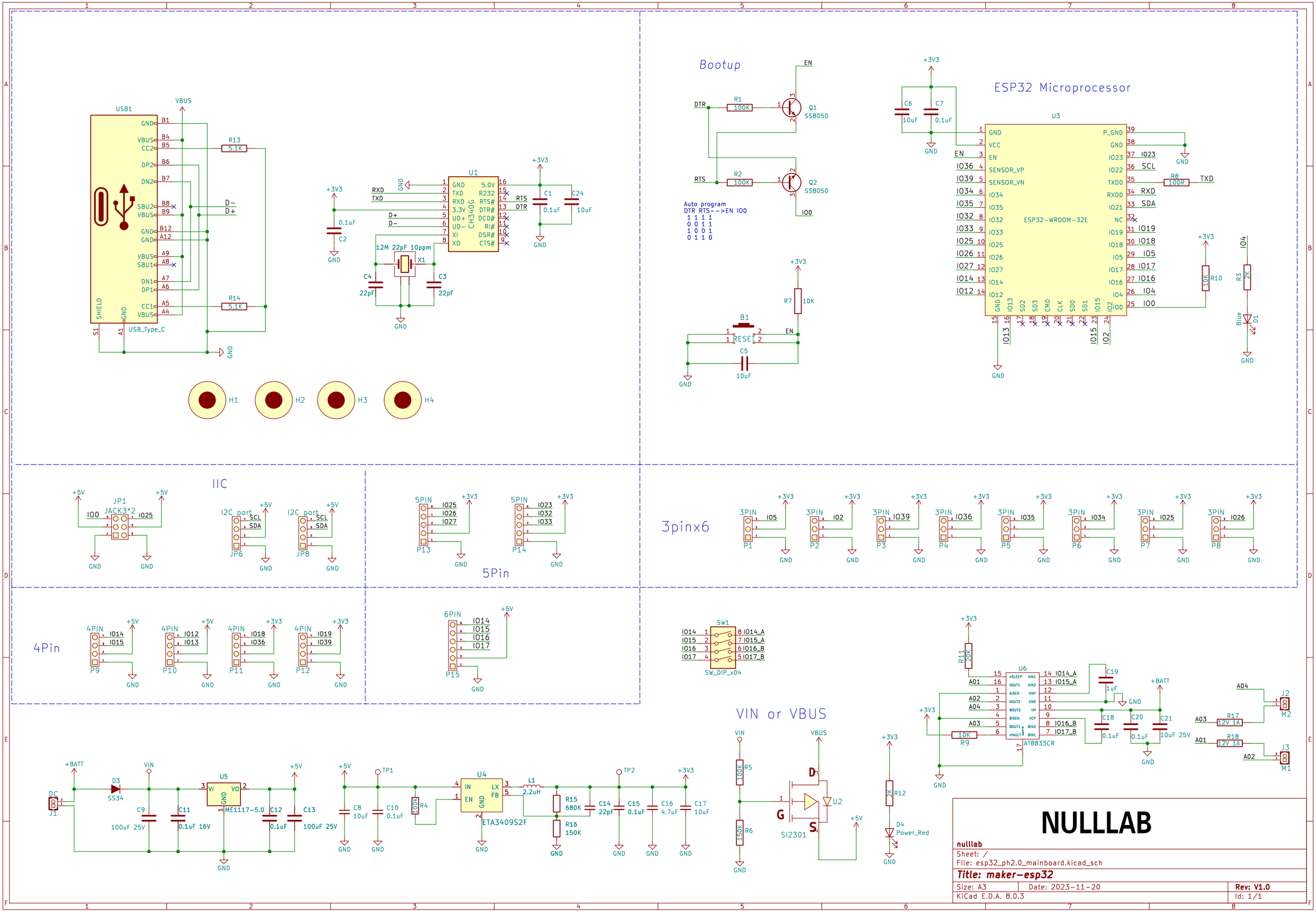
USB1
USB_Type_C
VBUS
R13 5.1K
R14 5.1K
D−
D+
U1
CH340G
RXD
TXD
RTS
DTR
C1 0.1uF
C24 10uF
C2 0.1uF
12M 22pF 10ppm
X1
C4 22pF
C3 22pF
+3V3
GND
H1
H2
H3
H4
Bootup
Q1 SS8050
Q2 SS8050
R1 100K
R2 100K
Auto program
DTR RTS-->EN IO0
1 1 1 1
0 0 1 1
1 0 0 1
0 1 1 0
B1 RESET
C5 10uF
R7 10K
ESP32 Microprocessor
U3
ESP32-WROOM-32E
C6 10uF
C7 0.1uF
R8 100R
R10 10K
R3 2K
D1 Blue
IIC
JP1 JACK3*2
I2C_port
JP6
JP8
5Pin
P13
P14
3pinx6
P1
P2
P3
P4
P5
P6
P7
P8
4Pin
P9
P10
P11
P12
P15
SW1
SW_DIP_x04
U6
AT8833CR
R11 20K
R9 10K
C19 1uF
C18 0.1uF
C20 0.1uF
C21 10uF 25V
R17 12V 1A
R18 12V 1A
J2
M2
J3
M1
+BATT
DC
J1
D3 SS34
U5
ME1117-5.0
C9 100uF 25V
C11 0.1uF 16V
C12 0.1uF
C13 100uF 25V
TP1
C8 10uF
C10 0.1uF
R4 100K
U4
ETA3409S2F
L1 2.2uH
R15 680K
R16 150K
C14 22pF
TP2
C15 0.1uF
C16 4.7uF
C17 10uF
VIN or VBUS
R5 100K
R6 150K
U2
SI2301
R12 2K
D4 Power_Red
NULLLAB
nulllab
Sheet: /
File: esp32_ph2.0_mainboard.kicad_sch
Title: maker-esp32
Size: A3
Date: 2023-11-20
Rev: V1.0
KiCad E.D.A. 8.0.3
Id: 1/1