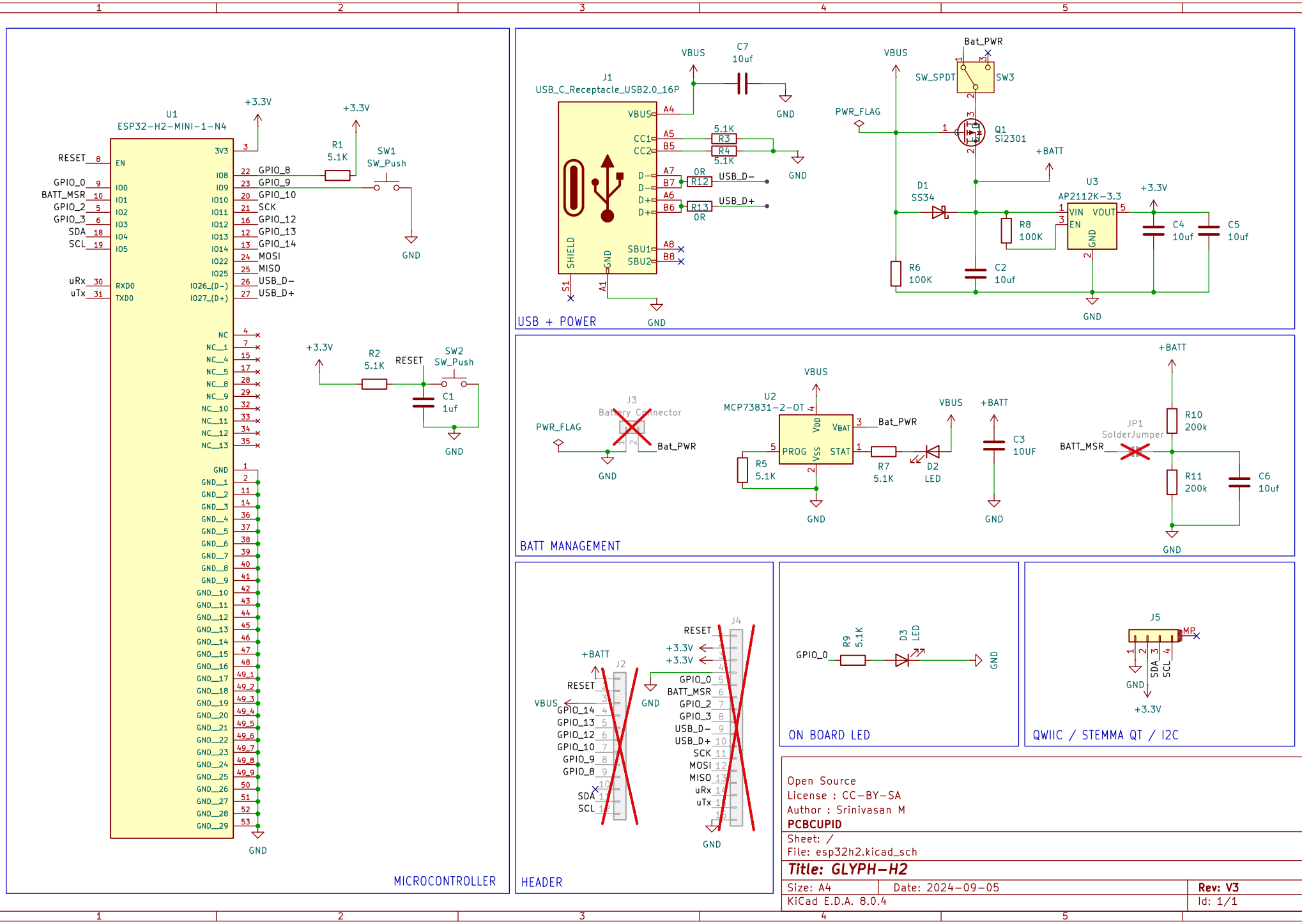
MICROCONTROLLER
U1
ESP32-H2-MINI-1-N4
+3.3V
R1
5.1K
SW1
SW_Push
GND
RESET
GPIO_0
BATT_MSR
GPIO_2
GPIO_3
SDA
SCL
uRx
uTx
GPIO_8
GPIO_9
GPIO_10
SCK
GPIO_12
GPIO_13
GPIO_14
MOSI
MISO
USB_D-
USB_D+
R2
5.1K
SW2
SW_Push
C1
1uf
USB + POWER
J1
USB_C_Receptacle_USB2.0_16P
VBUS
C7
10uf
CC1
CC2
5.1K
R3
R4
D-
D+
0R
R12
R13
SHIELD
SBU1
SBU2
S1
A1
Bat_PWR
SW_SPDT
SW3
PWR_FLAG
Q1
Si2301
+BATT
D1
SS34
U3
AP2112K-3.3
VIN
VOUT
EN
R8
100K
C4
10uf
C5
10uf
R6
100K
C2
10uf
BATT MANAGEMENT
J3
Battery Connector
U2
MCP73831-2-OT
VDD
VBAT
PROG
VSS
STAT
R5
5.1K
R7
5.1K
D2
LED
C3
10UF
JP1
SolderJumper
R10
200k
R11
200k
C6
10uf
HEADER
J2
J4
ON BOARD LED
R9
5.1K
D3
LED
GPIO_0
QWIIC / STEMMA QT / I2C
J5
SDA
SCL
Open Source
License : CC-BY-SA
Author : Srinivasan M
PCBCUPID
Sheet: /
File: esp32h2.kicad_sch
Title: GLYPH-H2
Size: A4
Date: 2024-09-05
Rev: V3
KiCad E.D.A. 8.0.4
Id: 1/1