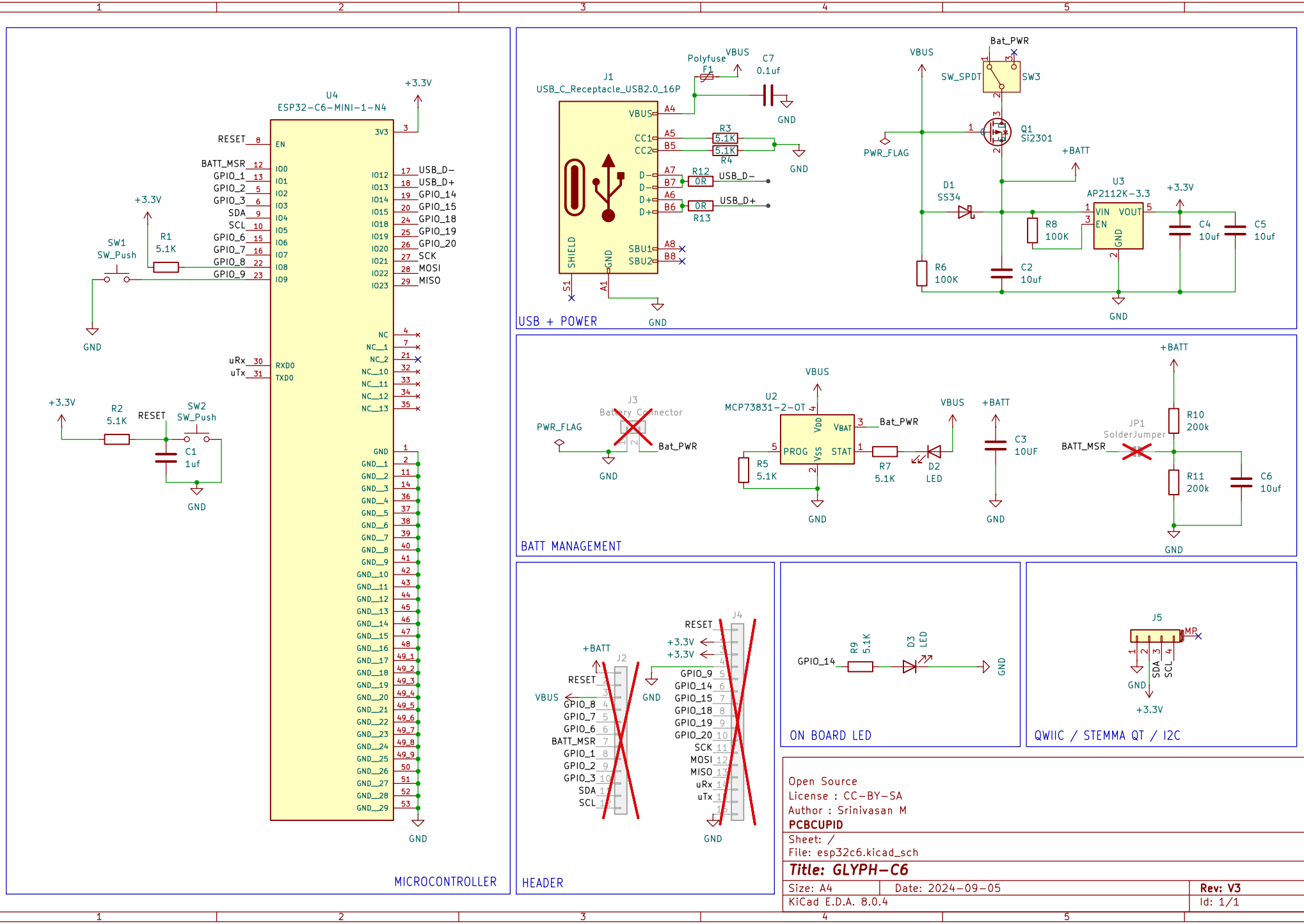
MICROCONTROLLER
U4
ESP32-C6-MINI-1-N4
+3.3V
RESET
EN
BATT_MSR
GPIO_1
GPIO_2
GPIO_3
SDA
SCL
GPIO_6
GPIO_7
GPIO_8
GPIO_9
IO0
IO1
IO2
IO3
IO4
IO5
IO6
IO7
IO8
IO9
3V3
IO12
IO13
IO14
IO15
IO18
IO19
IO20
IO21
IO22
IO23
USB_D-
USB_D+
GPIO_14
GPIO_15
GPIO_18
GPIO_19
GPIO_20
SCK
MOSI
MISO
NC
NC_1
NC_2
NC_10
NC_11
NC_12
NC_13
uRx
uTx
RXD0
TXD0
GND
SW1
SW_Push
R1
5.1K
R2
5.1K
SW2
C1
1uf
USB + POWER
J1
USB_C_Receptacle_USB2.0_16P
VBUS
CC1
CC2
D-
D+
SHIELD
SBU1
SBU2
Polyfuse
F1
C7
0.1uf
R3
5.1K
R4
5.1K
R12
0R
R13
0R
S1
A1
Bat_PWR
SW_SPDT
SW3
Q1
Si2301
PWR_FLAG
+BATT
D1
SS34
U3
AP2112K-3.3
VIN
VOUT
EN
R8
100K
R6
100K
C2
10uf
C4
10uf
C5
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
QWIIC / STEMMA QT / I2C
J5
Open Source
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Author : Srinivasan M
PCBCUPID
Sheet: /
File: esp32c6.kicad_sch
Title: GLYPH-C6
Size: A4
Date: 2024-09-05
Rev: V3
KiCad E.D.A. 8.0.4
Id: 1/1