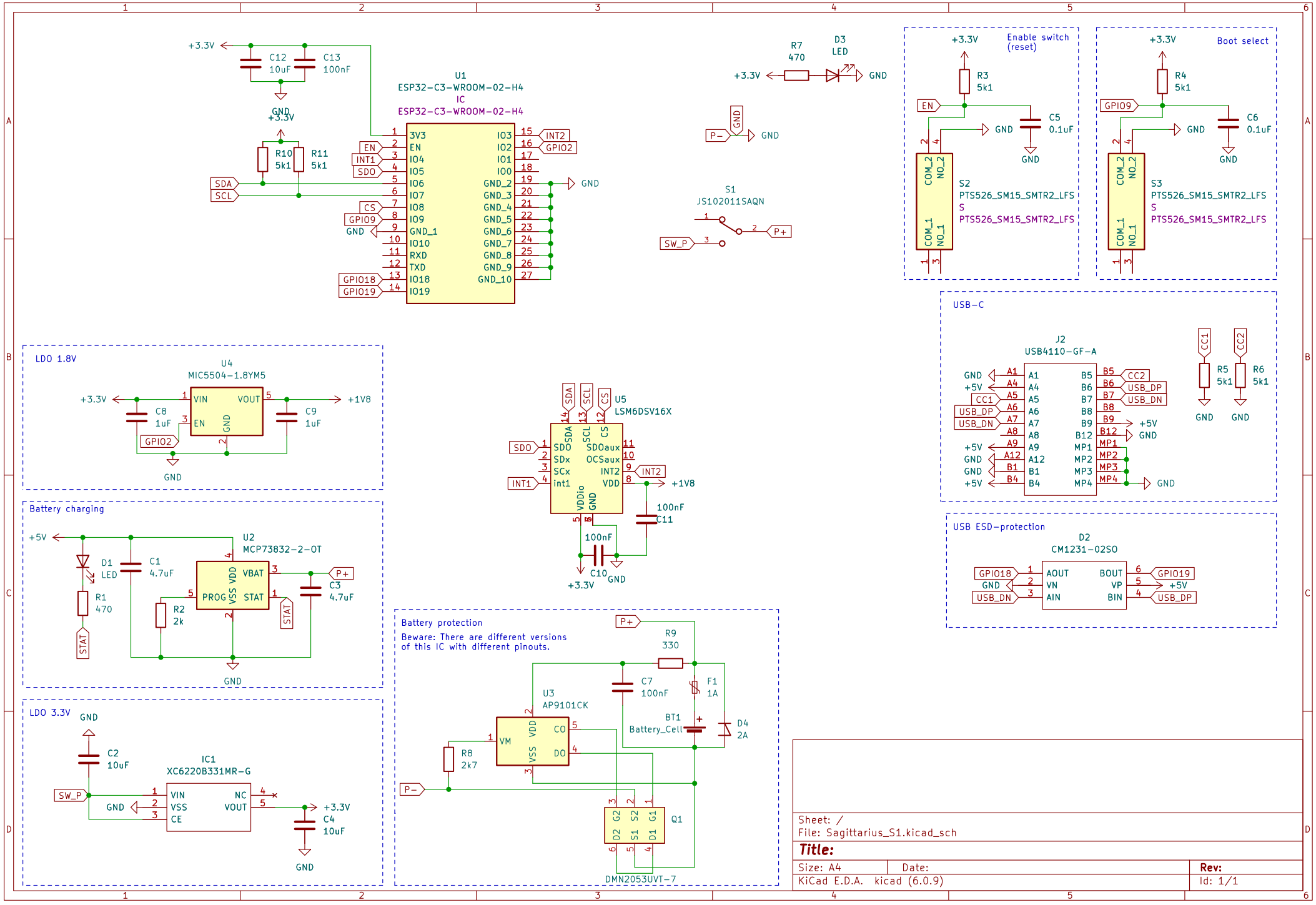
U1
ESP32-C3-WROOM-02-H4
IC
ESP32-C3-WROOM-02-H4
3V3
EN
IO4
IO5
IO6
IO7
IO8
IO9
GND_1
IO10
RXD
TXD
IO18
IO19
IO3
IO2
IO1
IO0
GND_2
GND_3
GND_4
GND_5
GND_6
GND_7
GND_8
GND_9
GND_10
C12
10uF
C13
100nF
R10
5k1
R11
5k1
SDA
SCL
CS
GPIO9
GPIO18
GPIO19
INT1
SDO
INT2
GPIO2
R7
470
D3
LED
P-
S1
JS102011SAQN
SW_P
P+
Enable switch
(reset)
R3
5k1
C5
0.1uF
S2
PTS526_SM15_SMTR2_LFS
Boot select
R4
5k1
C6
0.1uF
S3
PTS526_SM15_SMTR2_LFS
USB-C
J2
USB4110-GF-A
CC1
CC2
USB_DP
USB_DN
R5
5k1
R6
5k1
LDO 1.8V
U4
MIC5504-1.8YM5
VIN
VOUT
EN
GND
C8
1uF
C9
1uF
+1V8
U5
LSM6DSV16X
SDO
SDx
SCx
int1
SDOaux
OCSaux
INT2
VDD
VDDio
100nF
C11
C10
Battery charging
U2
MCP73832-2-OT
D1
LED
C1
4.7uF
R1
470
R2
2k
VBAT
PROG
STAT
C3
4.7uF
Battery protection
Beware: There are different versions
of this IC with different pinouts.
R9
330
C7
100nF
F1
1A
U3
AP9101CK
BT1
Battery_Cell
D4
2A
R8
2k7
VM
CO
DO
Q1
DMN2053UVT-7
LDO 3.3V
C2
10uF
IC1
XC6220B331MR-G
VIN
VSS
CE
NC
VOUT
C4
10uF
USB ESD-protection
D2
CM1231-02SO
AOUT
VN
AIN
BOUT
VP
BIN
Sheet: /
File: Sagittarius_S1.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (6.0.9)
Id: 1/1