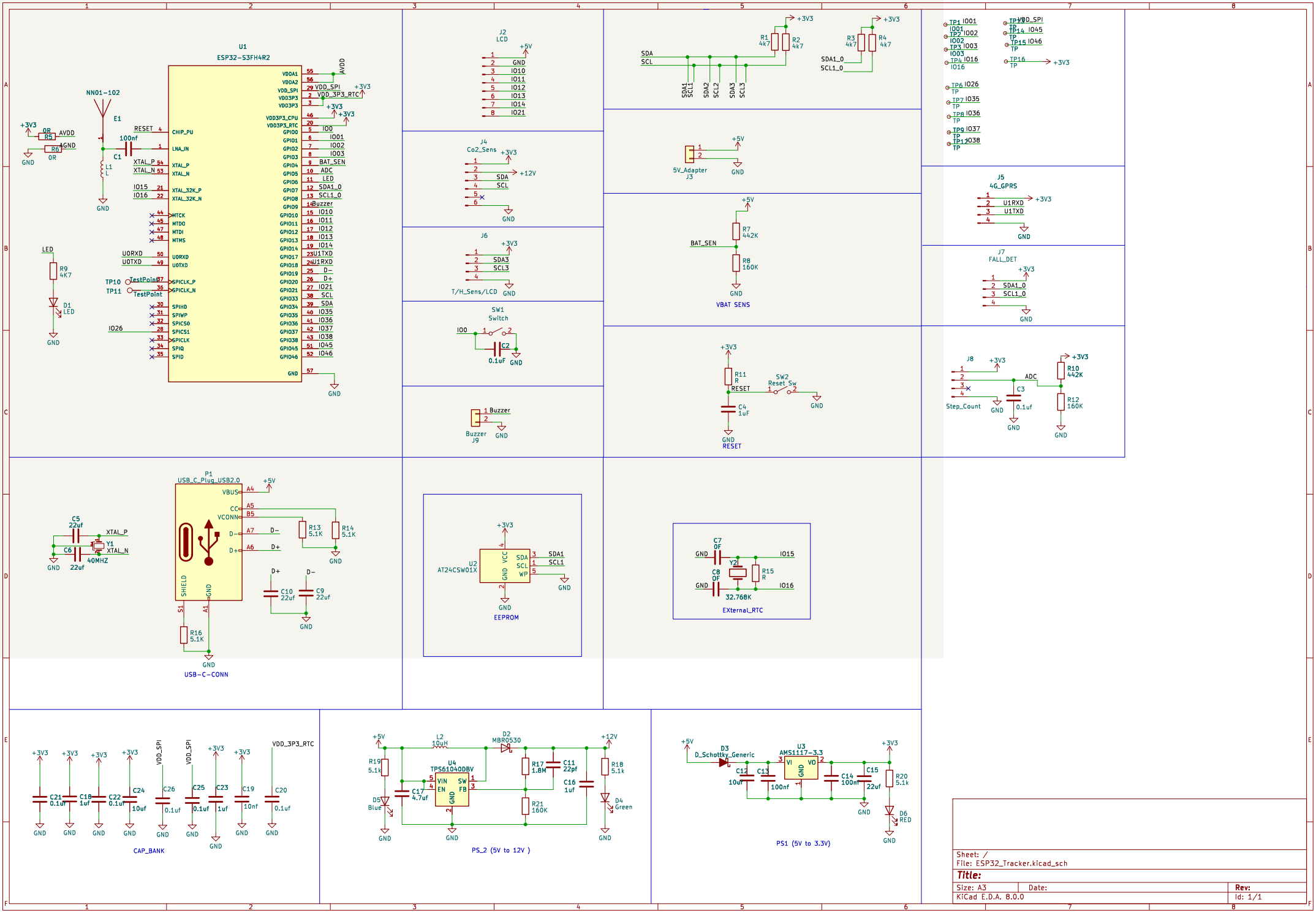
U1
ESP32-S3FH4R2
NN01-102
E1
C1
100nf
L1
R5
0R
R6
0R
AVDD
AGND
RESET
CHIP_PU
LNA_IN
XTAL_P
XTAL_N
XTAL_32K_P
XTAL_32K_N
MTCK
MTDO
MTDI
MTMS
U0RXD
U0TXD
SPICLK_P
SPICLK_N
SPIHD
SPIWP
SPICS0
SPICS1
SPICLK
SPIQ
SPID
VDDA1
VDDA2
VDD_SPI
VDD3P3
VDD3P3_CPU
VDD3P3_RTC
VDD_3P3_RTC
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
GPIO17
GPIO18
GPIO19
GPIO20
GPIO21
GPIO33
GPIO34
GPIO35
GPIO36
GPIO37
GPIO38
GPIO45
GPIO46
IO00
IO01
IO02
IO03
ADC
LED
SDA1_0
SCL1_0
Buzzer
IO10
IO11
IO12
IO13
IO14
U1RXD
D-
D+
IO21
SDA
SCL
IO35
IO36
IO37
IO38
IO45
IO46
TestPoint
TP10
TP11
IO15
IO16
IO26
LED
R9
4K7
D1
LED
J2
LCD
J4
Co2_Sens
J6
T/H_Sens/LCD
SW1
Switch
C2
0.1uF
J9
Buzzer
SDA
SCL
R1
4k7
R2
4k7
R3
4k7
R4
4k7
SDA1_0
SCL1_0
5V_Adapter
J3
R7
442K
R8
160K
BAT_SEN
VBAT SENS
R11
R
RESET
SW2
Reset_Sw
C4
1uF
RESET
J5
4G_GPRS
J7
FALL_DET
J8
Step_Count
C3
0.1uf
R10
442K
R12
160K
ADC
P1
USB_C_Plug_USB2.0
VBUS
CC
VCONN
SHIELD
GND
R13
5.1K
R14
5.1K
R16
5.1K
C10
22uf
C9
22uf
USB-C-CONN
C5
22uf
C6
22uf
Y1
40MHZ
XTAL_P
XTAL_N
U2
AT24CSW01X
EEPROM
C7
0F
C8
0F
Y2
32.768K
R15
R
EXternal_RTC
CAP_BANK
C21
0.1uf
C18
1uf
C22
0.1uf
C24
10uf
C26
0.1uf
C25
0.1uf
C23
1uf
C19
10nf
C20
0.1uf
L2
10uH
D2
MBR0530
U4
TPS61040DBV
R19
5.1k
C17
4.7uf
D5
Blue
R17
1.8M
R21
160K
C11
22pf
C16
1uf
R18
5.1k
D4
Green
PS_2 (5V to 12V)
D3
D_Schottky_Generic
U3
AMS1117-3.3
C12
10uf
C13
100nf
C14
100nf
C15
22uf
R20
5.1k
D6
RED
PS1 (5V to 3.3V)
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Title:
Size: A3
Date:
Rev:
KiCad E.D.A. 8.0.0
Id: 1/1