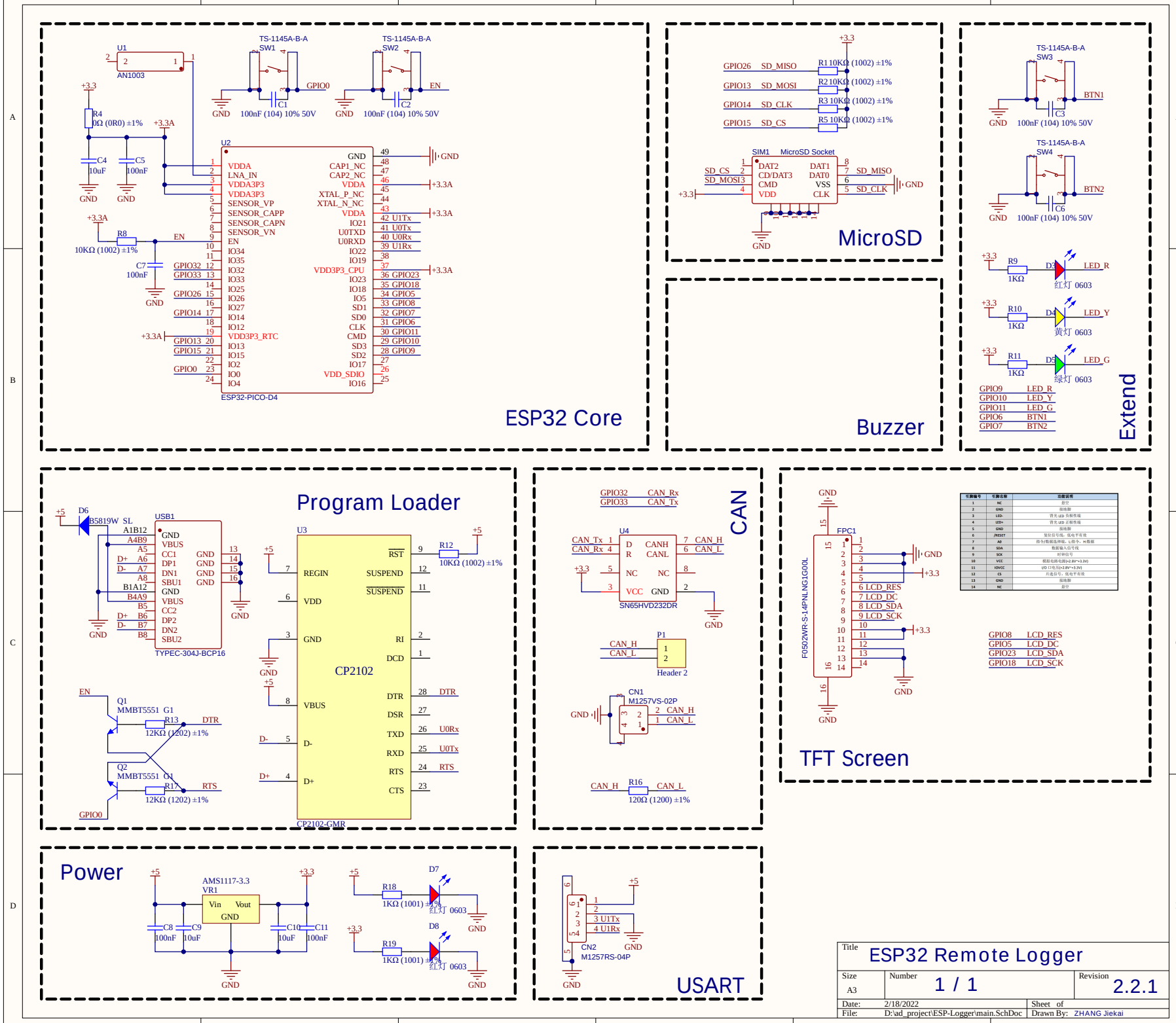
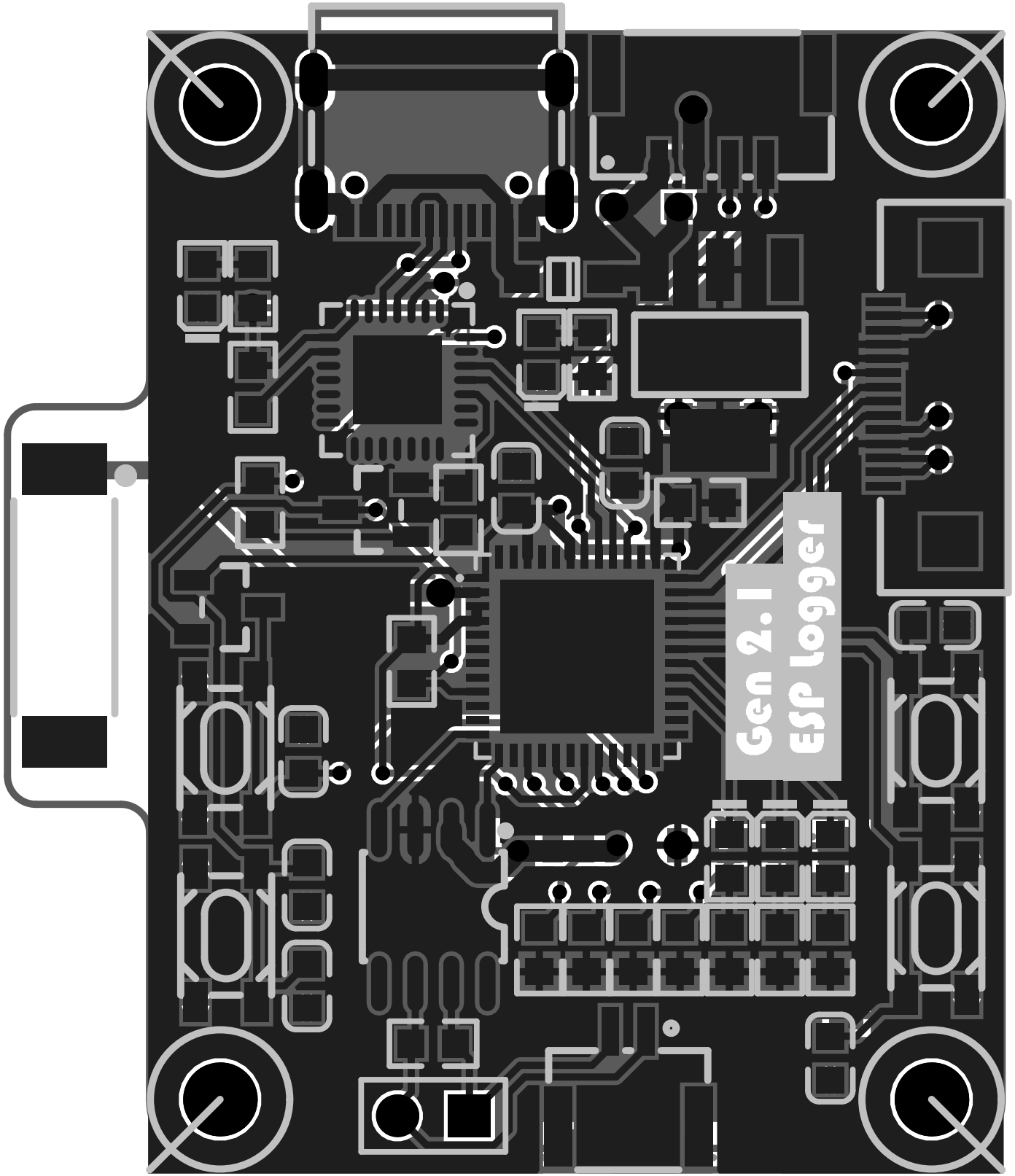

ESP32 Core
U1
AN1003
R4
0Ω (0R0) ±1%
C4
10uF
C5
100nF
TS-1145A-B-A
SW1
SW2
GPIO0
EN
C1
C2
100nF (104) 10% 50V
U2
ESP32-PICO-D4
R8
10KΩ (1002) ±1%
C7
100nF
MicroSD
SIM1 MicroSD Socket
GPIO26 SD_MISO
GPIO13 SD_MOSI
GPIO14 SD_CLK
GPIO15 SD_CS
R1 10KΩ (1002) ±1%
R2 10KΩ (1002) ±1%
R3 10KΩ (1002) ±1%
R5 10KΩ (1002) ±1%
SD_CS
SD_MOSI3
SD_MISO
SD_CLK
Buzzer
Extend
SW3
SW4
BTN1
BTN2
C3
C6
R9
R10
R11
D3
D4
D5
LED_R
LED_Y
LED_G
红灯 0603
黄灯 0603
绿灯 0603
GPIO9 LED_R
GPIO10 LED_Y
GPIO11 LED_G
GPIO6 BTN1
GPIO7 BTN2
Program Loader
D6
B5819W SL
USB1
TYPEC-304J-BCP16
U3
CP2102
CP2102-GMR
R12
10KΩ (1002) ±1%
Q1
MMBT5551
Q2
MMBT5551
R13
R17
12KΩ (1202) ±1%
DTR
RTS
CAN
GPIO32 CAN_Rx
GPIO33 CAN_Tx
U4
SN65HVD232DR
P1
Header 2
CN1
M1257VS-02P
R16
120Ω (1200) ±1%
TFT Screen
FPC1
F0502WR-S-14PNLNG1G00L
GPIO8 LCD_RES
GPIO5 LCD_DC
GPIO23 LCD_SDA
GPIO18 LCD_SCK
Power
AMS1117-3.3
VR1
Vin
Vout
GND
C8
100nF
C9
10uF
C10
10uF
C11
100nF
R18
R19
D7
D8
1KΩ (1001) ±1%
红灯 0603
USART
CN2
M1257RS-04P
U1Tx
U1Rx
Title
ESP32 Remote Logger
Size
A3
Number
1 / 1
Revision
2.2.1
Date: 2/18/2022
Sheet of
File: D:\ad_project\ESP-Logger\main.SchDoc
Drawn By: ZHANG Jiekai


Gen 2.1
ESP Logger