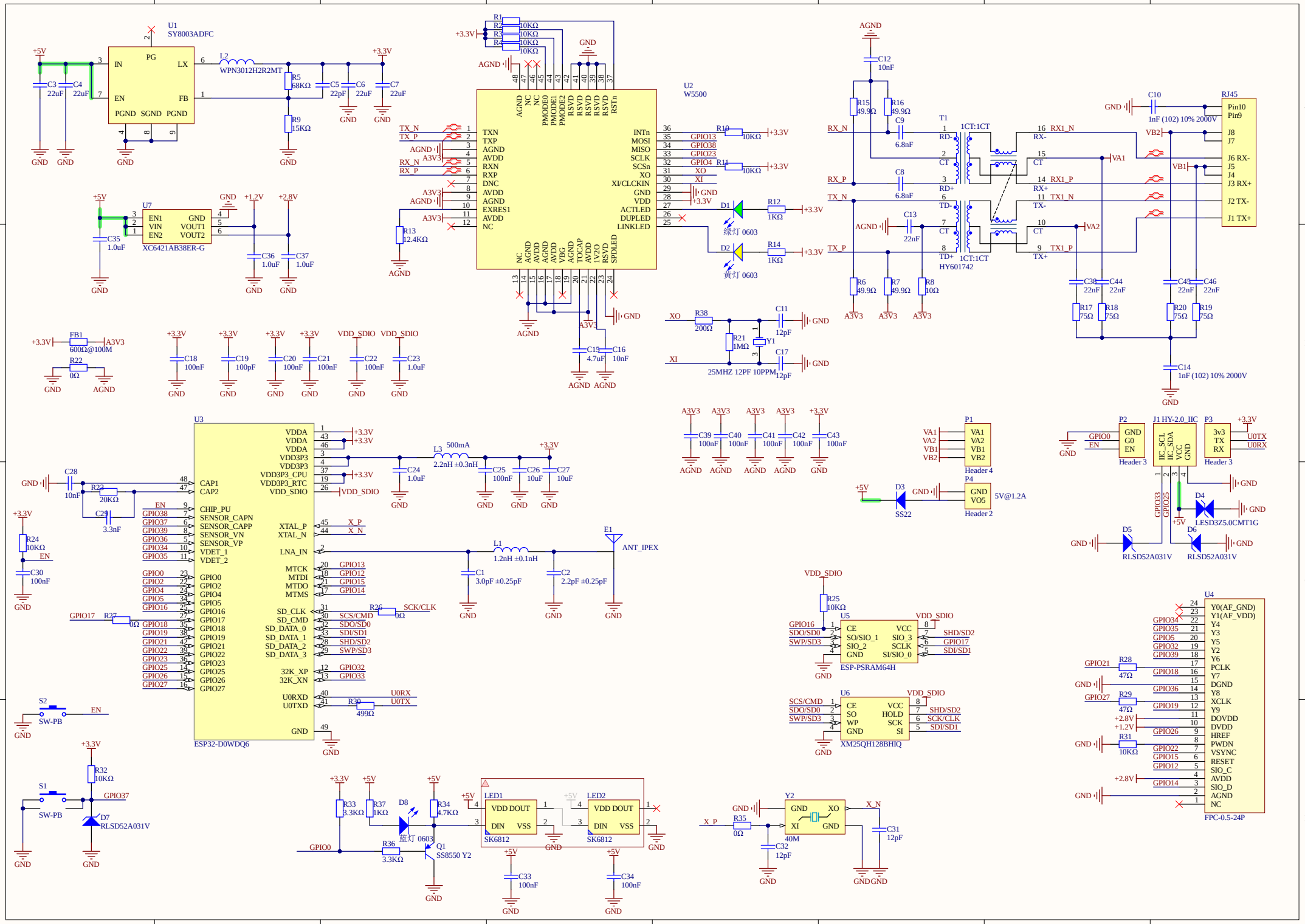

U1
SY8003ADFC
PG
IN
LX
EN
FB
PGND SGND PGND
L2
WPN3012H2R2MT
R5
68KΩ
R9
15KΩ
C3
22uF
C4
22uF
C5
22pF
C6
22uF
C7
22uF
+5V
+3.3V
GND
U7
EN1
VIN
EN2
GND
VOUT1
VOUT2
XC6421AB38ER-G
C35
1.0uF
C36
1.0uF
C37
1.0uF
+1.2V
+2.8V
U2
W5500
TXN
TXP
AGND
AVDD
RXN
RXP
DNC
AVDD
AGND
EXRES1
AVDD
NC
INTn
MOSI
MISO
SCLK
SCSn
XO
XI/CLCKIN
GND
VDD
ACTLED
DUPLED
LINKLED
NC
AGND
AVDD
AGND
AVDD
VBG
AGND
TOCAP
AVDD
1V2O
RSVD
SPDLED
R1
R2
R3
R4
10KΩ
R10
R11
R12
R14
1KΩ
D1
绿灯 0603
D2
黄灯 0603
R13
12.4KΩ
C15
4.7uF
C16
10nF
C12
10nF
R15
49.9Ω
R16
49.9Ω
C9
6.8nF
C8
6.8nF
C13
22nF
T1
1CT:1CT
HY601742
RD-
CT
RD+
TD-
TD+
RX-
RX+
TX-
TX+
RX1_N
RX1_P
TX1_N
TX1_P
VA1
VA2
VB1
VB2
RJ45
Pin10
Pin9
J8
J7
J6 RX-
J5
J4
J3 RX+
J2 TX-
J1 TX+
C10
1nF (102) 10% 2000V
C14
1nF (102) 10% 2000V
R6
49.9Ω
R7
49.9Ω
R8
10Ω
C38
22nF
C44
22nF
C45
22nF
C46
22nF
R17
75Ω
R18
75Ω
R20
75Ω
R19
75Ω
R38
200Ω
R21
1MΩ
Y1
25MHZ 12PF 10PPM
C11
12pF
C17
12pF
FB1
600Ω@100M
R22
0Ω
C18
100nF
C19
100pF
C20
100nF
C21
100nF
C22
100nF
C23
1.0uF
VDD_SDIO
C39
100nF
C40
100nF
C41
100nF
C42
100nF
C43
100nF
U3
ESP32-D0WDQ6
VDDA
VDD3P3
VDD3P3_CPU
VDD3P3_RTC
VDD_SDIO
CAP1
CAP2
CHIP_PU
SENSOR_CAPN
SENSOR_CAPP
SENSOR_VN
SENSOR_VP
VDET_1
VDET_2
GPIO0
GPIO2
GPIO4
GPIO5
GPIO16
GPIO17
GPIO18
GPIO19
GPIO21
GPIO22
GPIO23
GPIO25
GPIO26
GPIO27
XTAL_P
XTAL_N
LNA_IN
MTCK
MTDI
MTDO
MTMS
SD_CLK
SD_CMD
SD_DATA_0
SD_DATA_1
SD_DATA_2
SD_DATA_3
32K_XP
32K_XN
U0RXD
U0TXD
GND
L3
500mA
2.2nH ±0.3nH
C24
1.0uF
C25
100nF
C26
10uF
C27
10uF
C28
10nF
R23
20KΩ
C29
3.3nF
R24
10KΩ
C30
100nF
R27
0Ω
L1
1.2nH ±0.1nH
C1
3.0pF ±0.25pF
C2
2.2pF ±0.25pF
E1
ANT_IPEX
R26
0Ω
SCK/CLK
R30
499Ω
U0RX
U0TX
S2
SW-PB
S1
SW-PB
R32
10KΩ
D7
RLSD52A031V
R33
3.3KΩ
R37
1KΩ
D8
蓝灯 0603
R34
4.7KΩ
R36
3.3KΩ
Q1
SS8550 Y2
LED1
LED2
VDD DOUT
DIN
VSS
SK6812
C33
100nF
C34
100nF
P1
Header 4
P4
Header 2
D3
SS22
5V@1.2A
P2
Header 3
J1 HY-2.0_IIC
IIC_SCL
IIC_SDA
VCC
GND
P3
3v3
TX
RX
U0TX
U0RX
D4
LESD3Z5.0CMT1G
D5
RLSD52A031V
D6
RLSD52A031V
R25
10KΩ
U5
ESP-PSRAM64H
CE
SO/SIO_1
SIO_2
GND
VCC
SIO_3
SCLK
SI/SIO_0
SHD/SD2
SDI/SD1
U6
XM25QH128BHIQ
SO
WP
HOLD
SCK
SI
U4
FPC-0.5-24P
Y0(AF_GND)
Y1(AF_VDD)
Y4
Y3
Y5
Y2
Y6
PCLK
Y7
DGND
Y8
XCLK
Y9
DOVDD
DVDD
HREF
PWDN
VSYNC
RESET
SIO_C
AVDD
SIO_D
AGND
NC
R28
47Ω
R29
47Ω
R31
10KΩ
Y2
40M
R35
0Ω
C32
12pF
C31
12pF