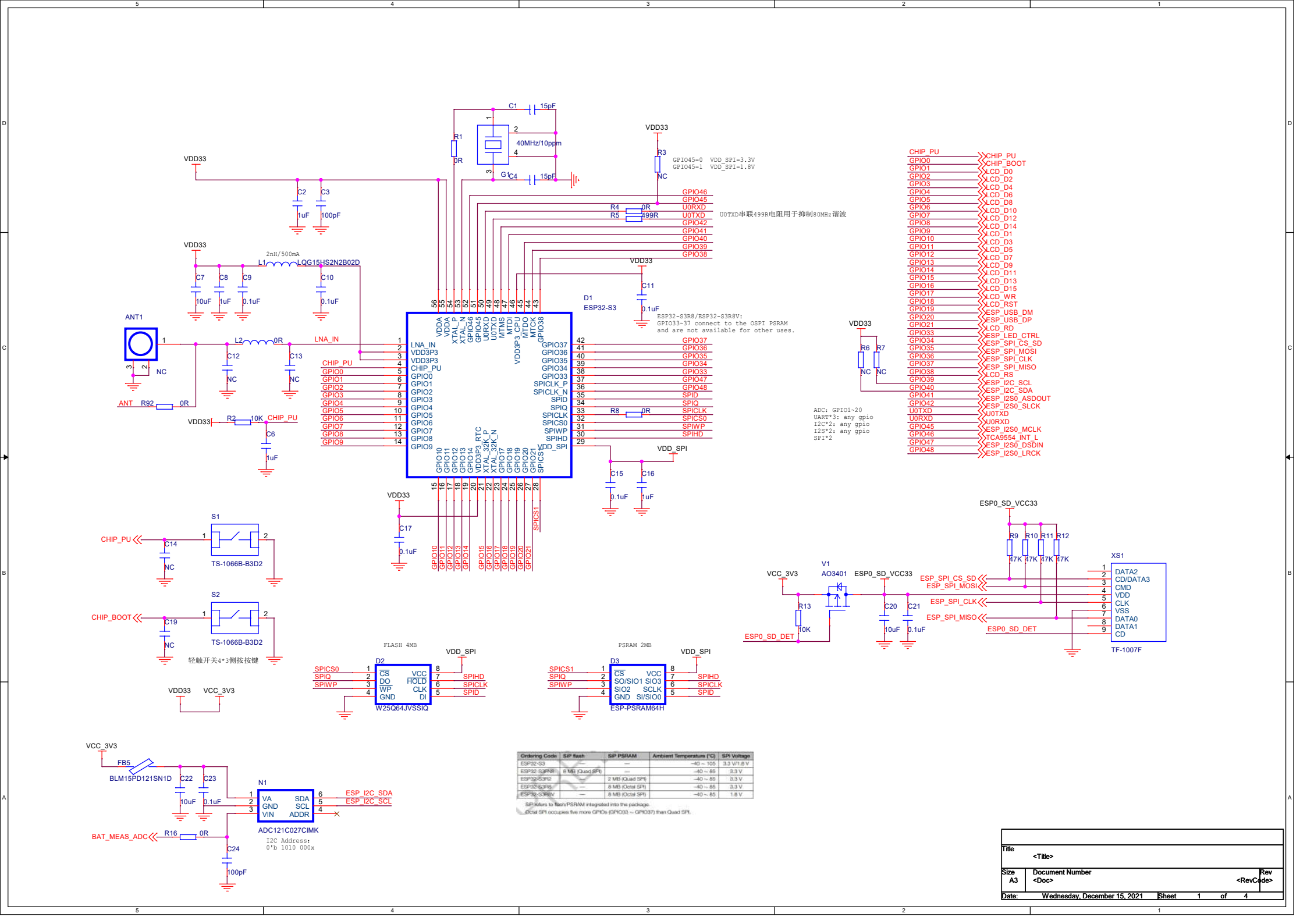
C1 15pF
40MHz/10ppm
C4 15pF
R1 0R
VDD33
R3 NC
GPIO45=0 VDD_SPI=3.3V
GPIO45=1 VDD_SPI=1.8V
C2 1uF
C3 100pF
R4 0R
R5 499R
U0TXD串联499R电阻用于抑制80MHz谐波
2nH/500mA
L1 LQG15HS2N2B02D
C7 10uF
C8 1uF
C9 0.1uF
C10 0.1uF
C11 0.1uF
D1
ESP32-S3
ESP32-S3R8/ESP32-S3R8V:
GPIO33~37 connect to the OSPI PSRAM
and are not available for other uses.
ANT1
L2 0R
LNA_IN
C12 NC
C13 NC
ANT R92 0R
R2 10K CHIP_PU
C6 1uF
R6 NC
R7 NC
ADC: GPIO1~20
UART*3: any gpio
I2C*2: any gpio
I2S*2: any gpio
SPI*2
S1
TS-1066B-B3D2
C14 NC
S2
C19 NC
轻触开关4*3侧按按键
FLASH 4MB
D2
W25Q64JVSSIQ
PSRAM 2MB
D3
ESP-PSRAM64H
C15 0.1uF
C16 1uF
C17 0.1uF
V1
AO3401
R13 10K
C20 10uF
C21 0.1uF
R9 47K
R10 47K
R11 47K
R12 47K
XS1
TF-1007F
FB5
BLM15PD121SN1D
C22 10uF
C23 0.1uF
N1
ADC121C027CIMK
I2C Address:
0*b 1010 000x
R16 0R
C24 100pF
Ordering Code | SiP flash | SiP PSRAM | Ambient Temperature (°C) | SPI Voltage
ESP32-S3 — — –40 ~ 105 3.3 V/1.8 V
ESP32-S3FN8 8 MB (Quad SPI) — –40 ~ 85 3.3 V
ESP32-S3R2 — 2 MB (Quad SPI) –40 ~ 85 3.3 V
ESP32-S3R8 — 8 MB (Octal SPI) –40 ~ 85 3.3 V
ESP32-S3R8V — 8 MB (Octal SPI) –40 ~ 85 1.8 V
SiP refers to flash/PSRAM integrated into the package.
Octal SPI occupies five more GPIOs (GPIO33 ~ GPIO37) than Quad SPI.
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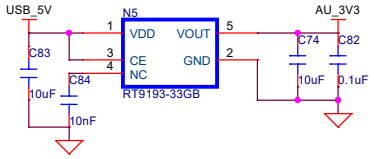
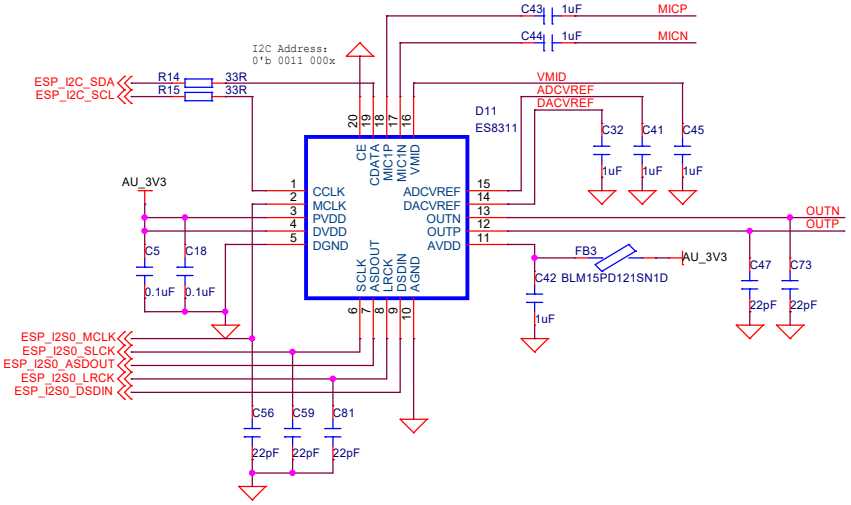
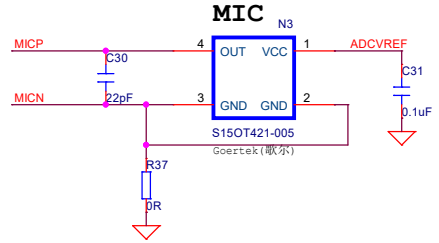
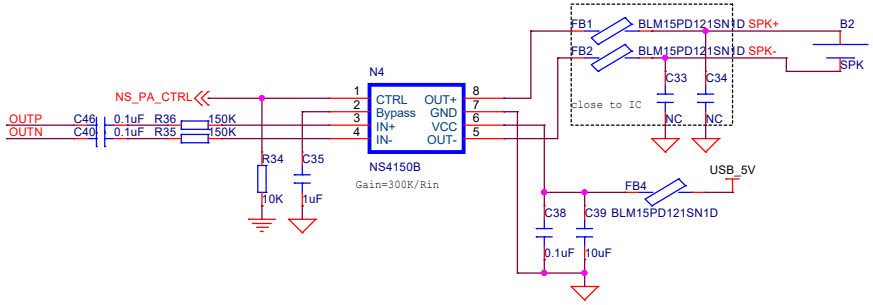


AMS1117







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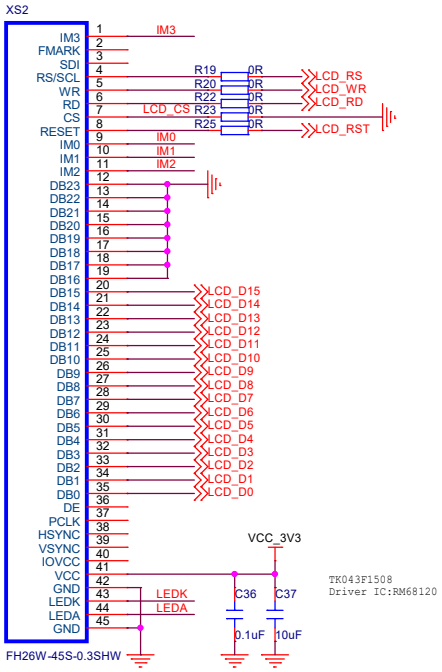
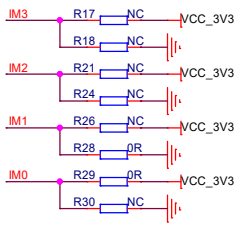
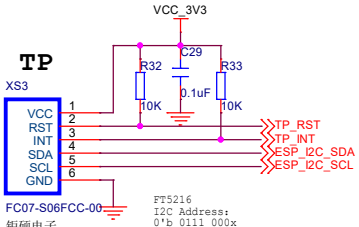
LCD Display



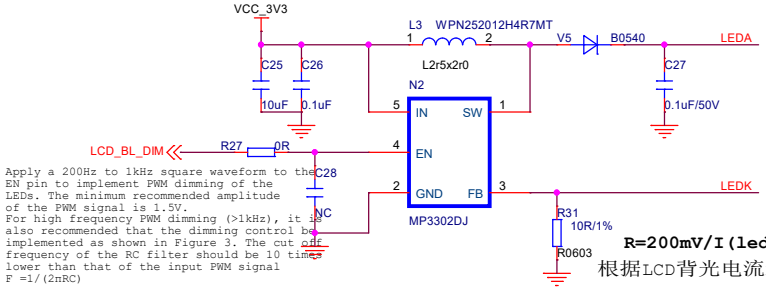
TK043F1508
Driver IC:RM68120

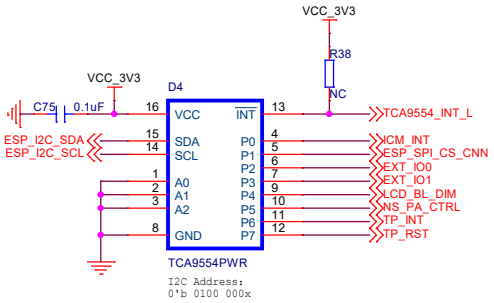


TP

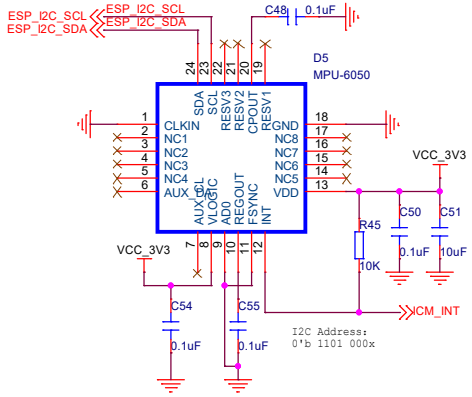


BACK LIGHT

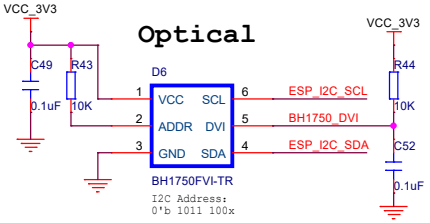




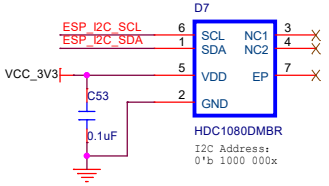
Motion



Optical



Temp.&Humidity



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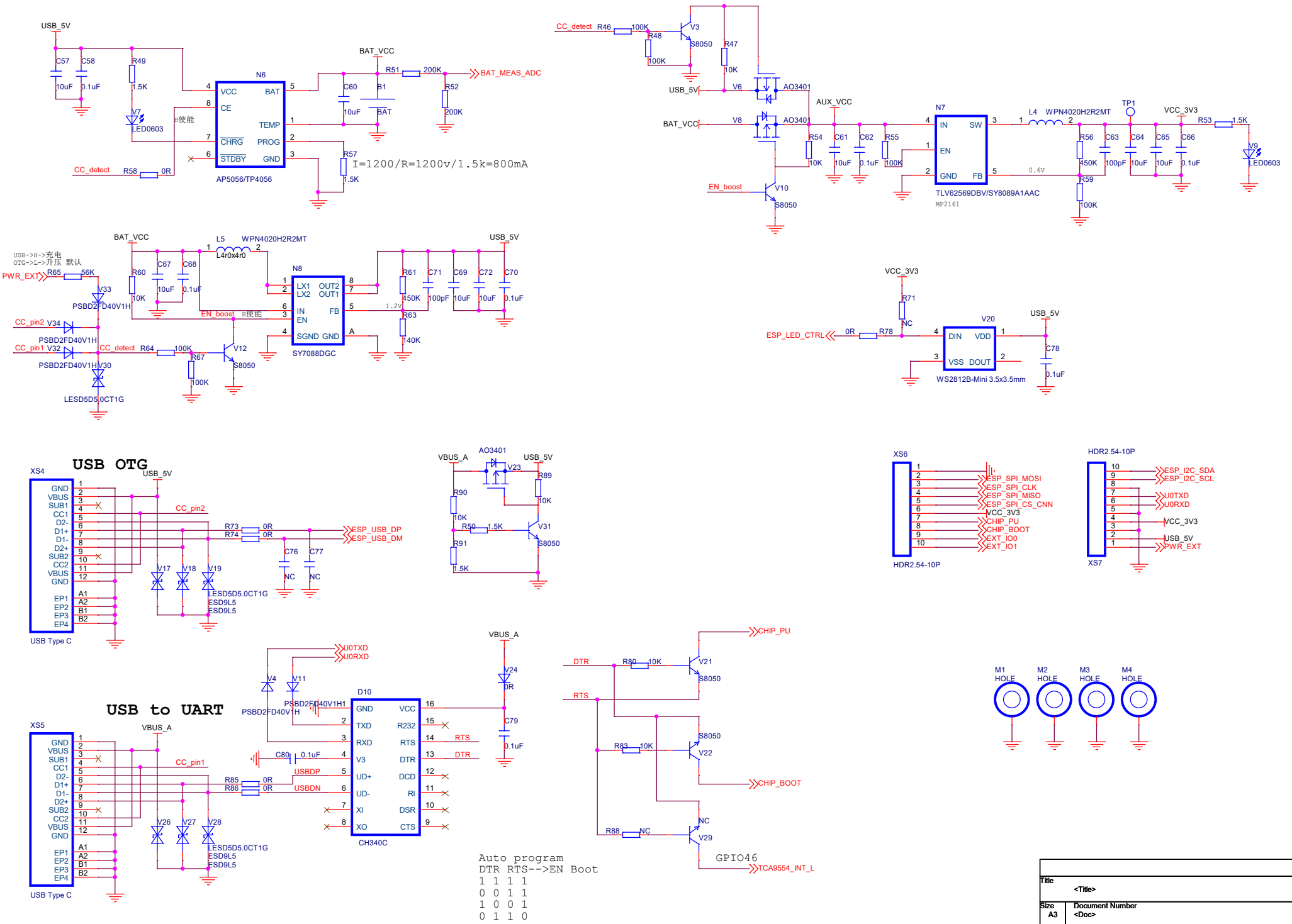

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