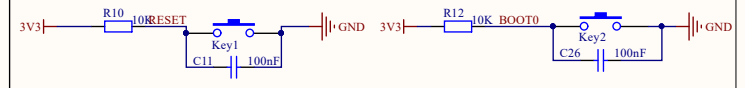
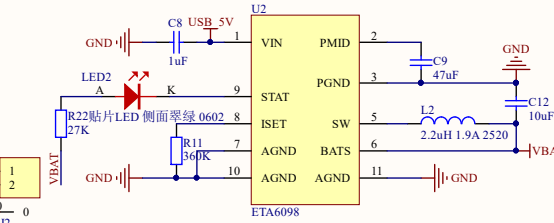
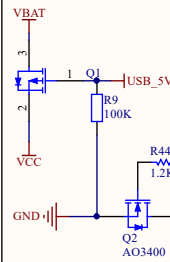
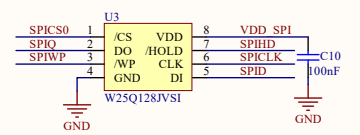
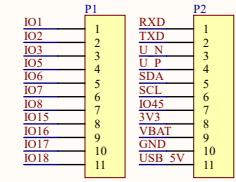
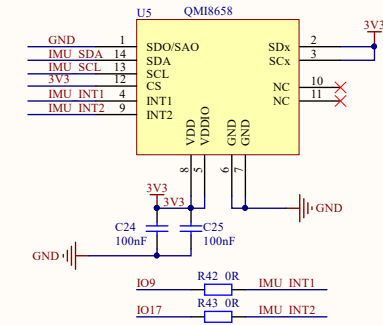
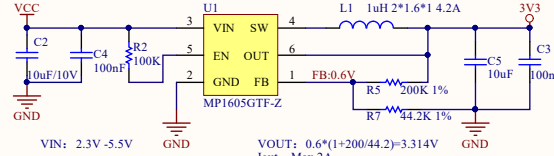
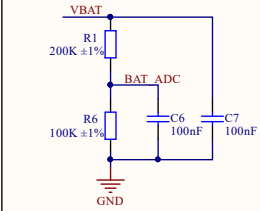
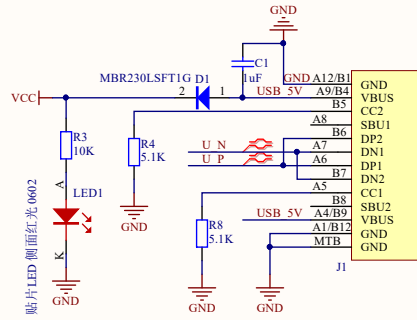
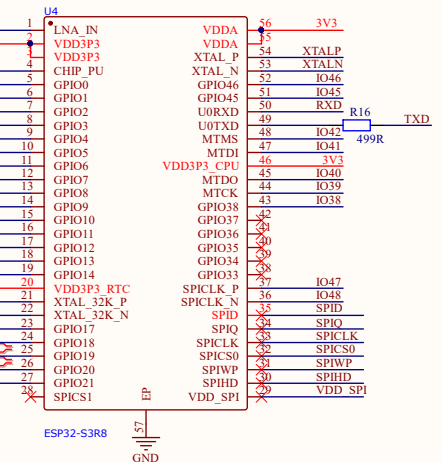
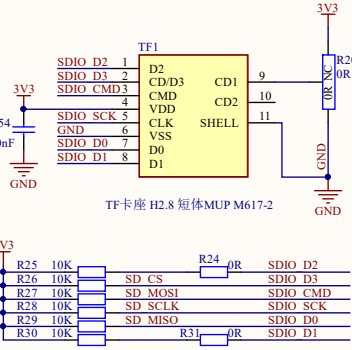
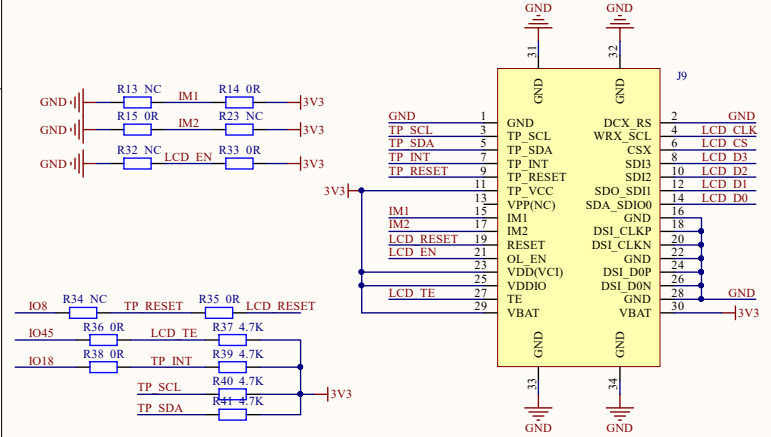


## Type-C Interface



## ESP32-S3-Touch-AMOLED-1.64-Rev1.1



| GPIO | LCD       | UART     | I2C | KEY_IO | Other   | SD_Card | IMU      |
|------|-----------|----------|-----|--------|---------|---------|----------|
| IO0  |           |          |     | BOOT0  | IO0     |         |          |
| IO1  |           |          |     |        | IO1     |         |          |
| IO2  |           |          |     |        | IO2     |         |          |
| IO3  |           |          |     |        | IO3     |         |          |
| IO4  |           |          |     |        | BAT_ADC |         |          |
| IO5  |           |          |     |        | IO5     |         |          |
| IO6  |           |          |     |        | IO6     |         |          |
| IO7  |           |          |     |        | IO7     |         |          |
| IO8  |           |          |     |        | IO8     |         |          |
| IO9  |           |          |     |        |         |         | IMU_INT1 |
| IO10 | LCD_CLK   |          |     |        |         |         |          |
| IO11 | LCD_D0    |          |     |        |         |         |          |
| IO12 | LCD_D1    |          |     |        |         |         |          |
| IO13 | LCD_D2    |          |     |        |         |         |          |
| IO14 | LCD_D3    |          |     |        |         |         |          |
| IO15 |           |          |     |        | IO15    |         |          |
| IO16 |           |          |     |        | IO16    |         |          |
| IO17 |           |          |     |        | IO17    |         | IMU_INT2 |
| IO18 | TP_INT    |          |     |        | IO18    |         |          |
| IO19 |           |          |     |        | U_N     |         |          |
| IO20 |           |          |     |        | U_P     |         |          |
| IO21 | LCD_RESET |          |     |        |         |         |          |
| IO33 |           |          |     |        | IO33    |         |          |
| IO34 |           |          |     |        | IO34    |         |          |
| IO35 |           |          |     |        | IO35    |         |          |
| IO36 |           |          |     |        | IO36    |         |          |
| IO37 |           |          |     |        | IO37    |         |          |
| IO38 |           |          |     |        | IO38    | SD_CS   |          |
| IO39 |           |          |     |        | IO39    | SD_MOSI |          |
| IO40 |           |          |     |        | IO40    | SD_MISO |          |
| IO41 |           |          |     |        | IO41    | SD_SCLK |          |
| IO42 |           |          |     |        | IO42    |         |          |
| TXD  |           | UART_TXD |     |        | TXD     |         |          |
| RXD  |           | UART_RXD |     |        | RXD     |         |          |
| IO45 | LCD_TE    |          |     |        | IO45    |         |          |
| IO46 | LCD_CS    |          |     |        | IO46    |         |          |
| IO47 | TP_SDA    |          | SDA |        | SDA     |         | IMU_SDA  |
| IO48 | TP_SCL    |          | SCL |        | SCL     |         | IMU_SCL  |
| EN   |           |          |     | RESET  |         |         |          |