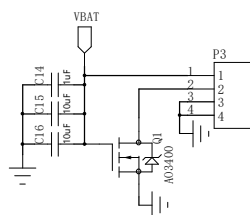
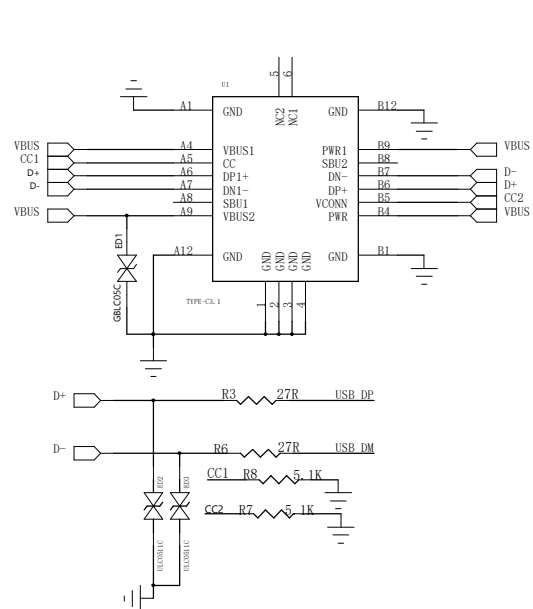
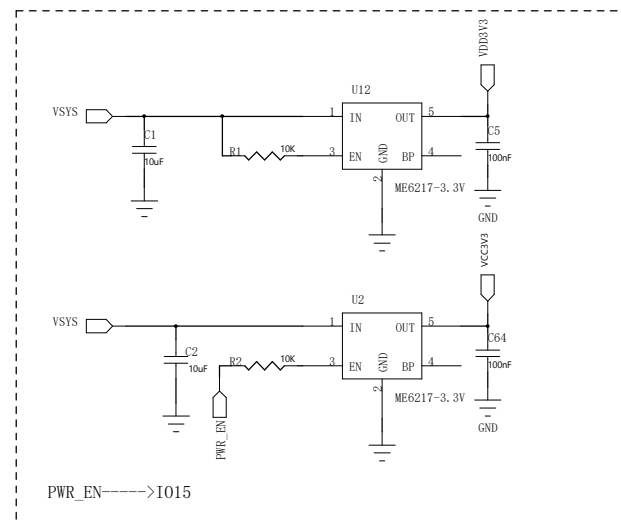


## TYPE-C



## 电池防反

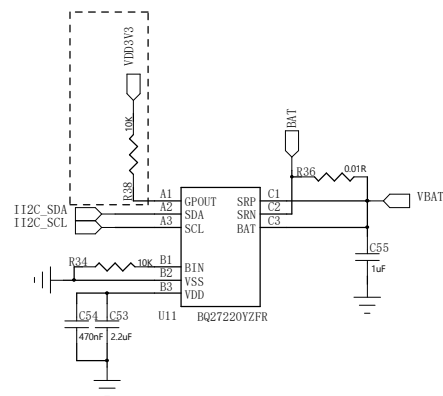
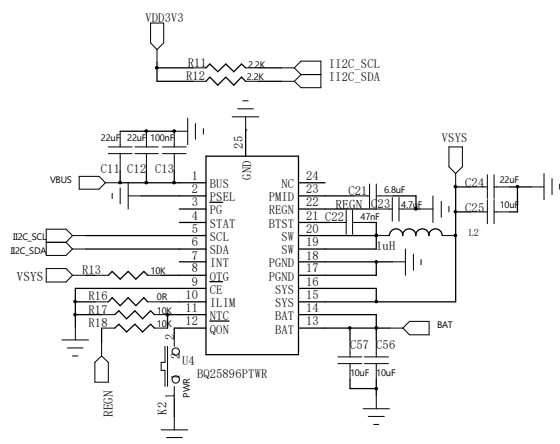


## 充电电路

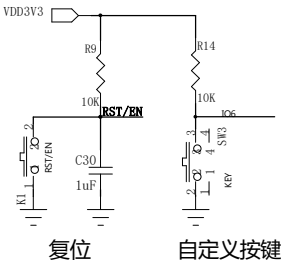
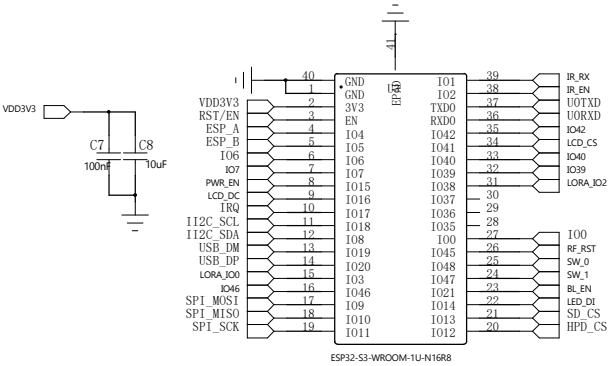
```

II2C_SCL----->I018
II2C_SDA----->I08

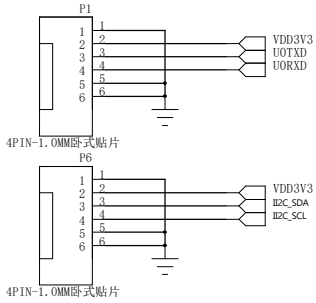
```



ESP32-S3

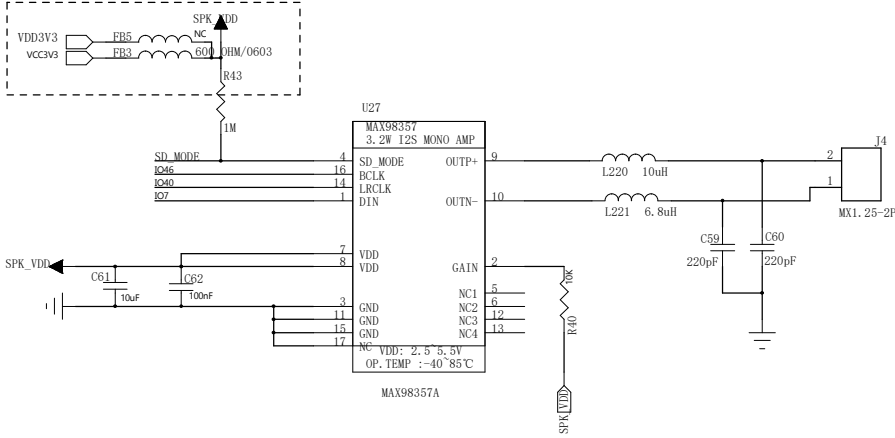
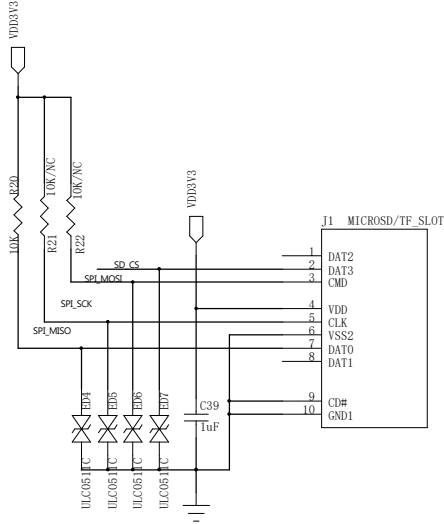


QWIIIC



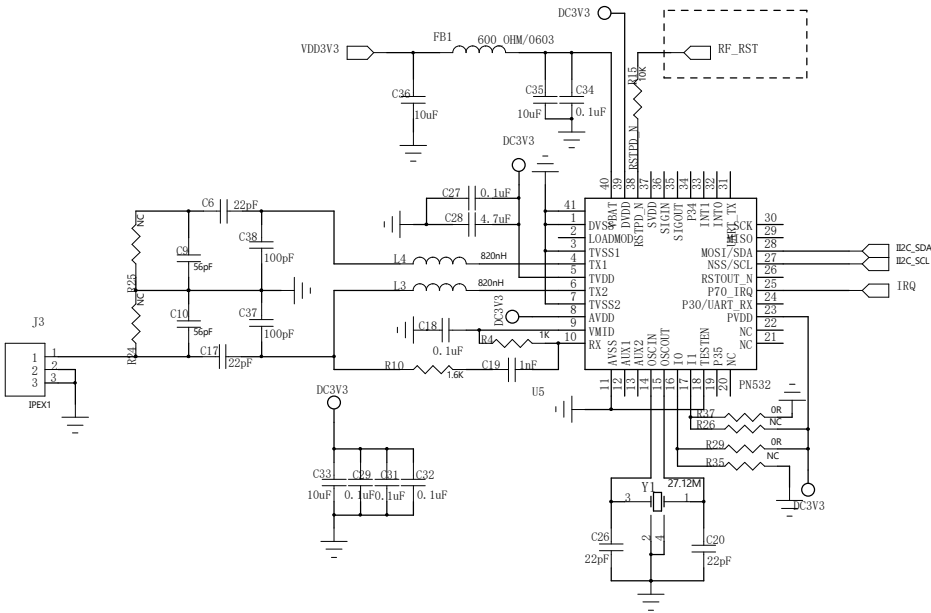
TF卡座

SD\_CS---->IO13  
SPI\_MOSI---->IO9  
SPI\_SCK---->IO11  
SPI\_MISO---->IO10



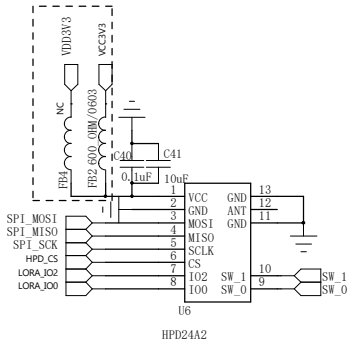
PN532

II2C\_SCL----->I018  
II2C\_SDA----->I08  
RF\_RST----->I045  
IRQ----->I017



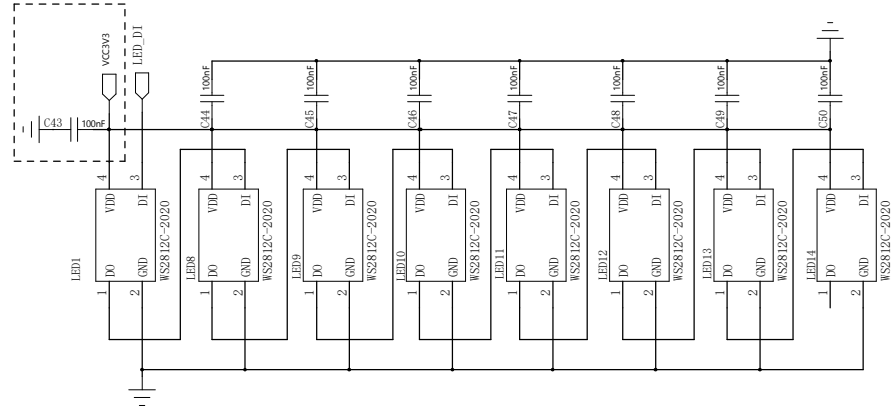
LORA

SPI\_MOSI----->I09  
SPI\_SCK----->I011  
SPI\_MISO----->I010  
HPD\_CS----->I012  
LORA\_IO2----->I038  
LORA\_IO0----->I03  
SW\_1----->I047  
SW\_0----->I048



## RGB

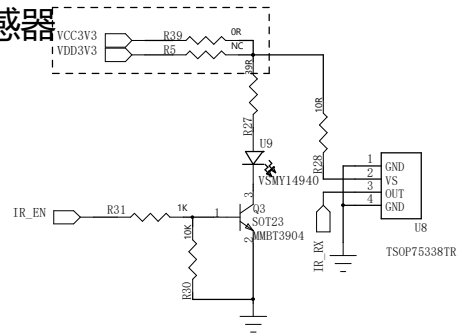
LED\_DI----->I014



```
LCD_RES----->I040
LCD_CS----->I041
SPI_MOSI----->I09
SPI_SCK----->I011
SPI_MISO----->I010
I12C_SCL----->I018
I12C_SDA----->I08
T_RST----->I046
T_INT----->I016
BL_EN----->I021
```

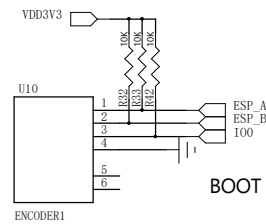
## 红外传感器

```
IR_EN----->I02
IR_RX----->I01
```

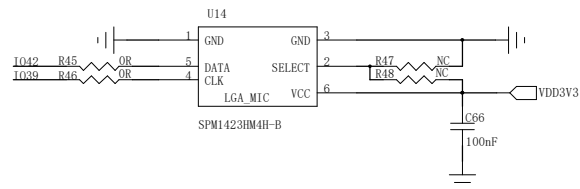


## 编码器

ESP\_A----->I04  
ESP\_B----->I05



麦克风



## LCD

