

STM32H743XIH6

32M SDARM 32位宽

32M QSPI FLash

RGB888 40Pin接口

0.96寸 LCD

MicroSD卡

DM9000APE 百兆网口

USB3300 USB_PHY 480Mbps

ESP32 SPI+UART

IIS WM9878 = 3.5mm earphone + vivo K5 Speaker

板载DAPlink 支持串口

五向开关

RGB LED

LTDC RGB666

FMC SDRAM

FMC DM9000APE

SDMMC MicroSD

SPI LCD

SPI ESP32

SPI RP2040

UART ESP32

UART Debug

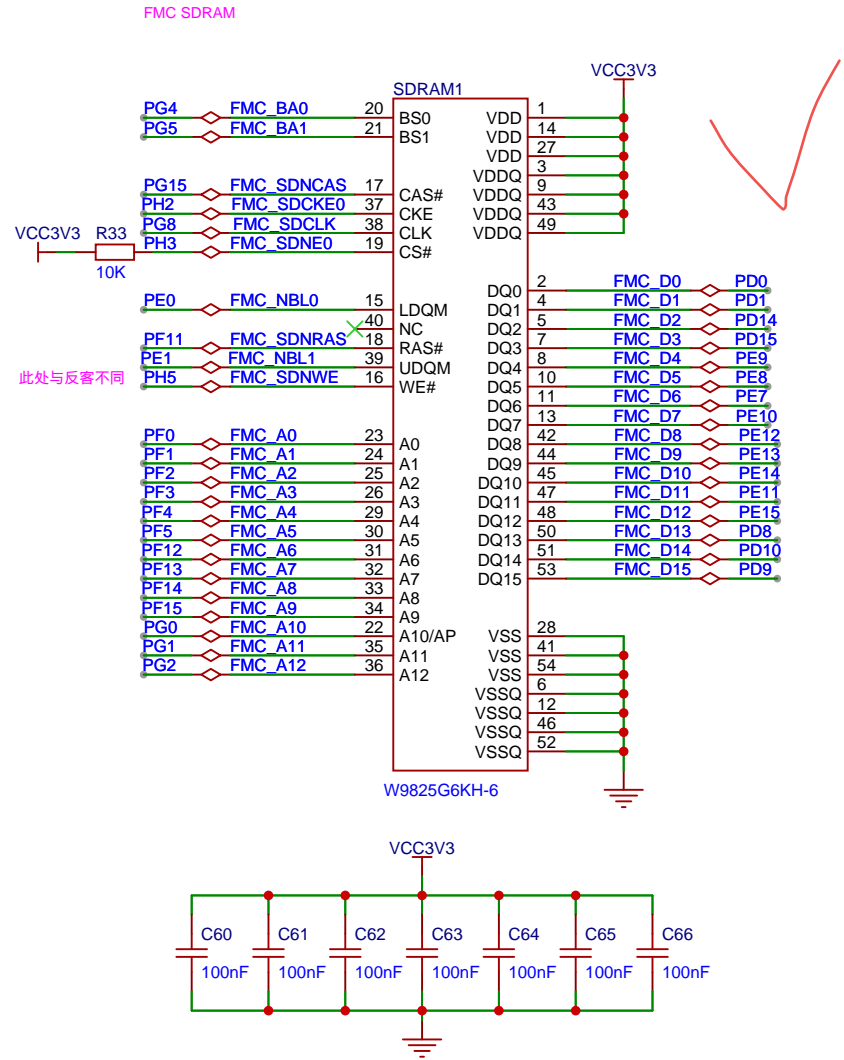
UART RS485

1

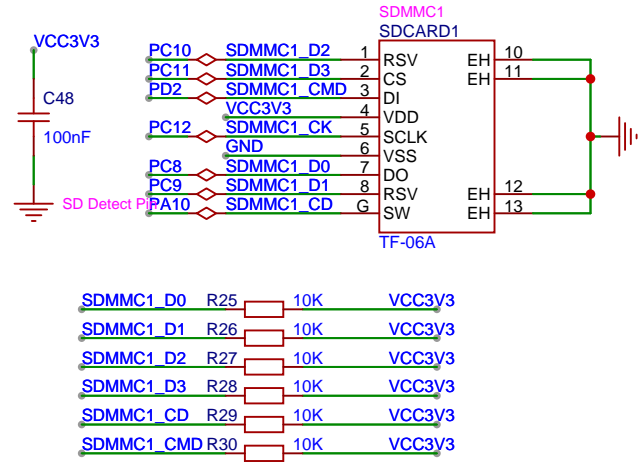


1

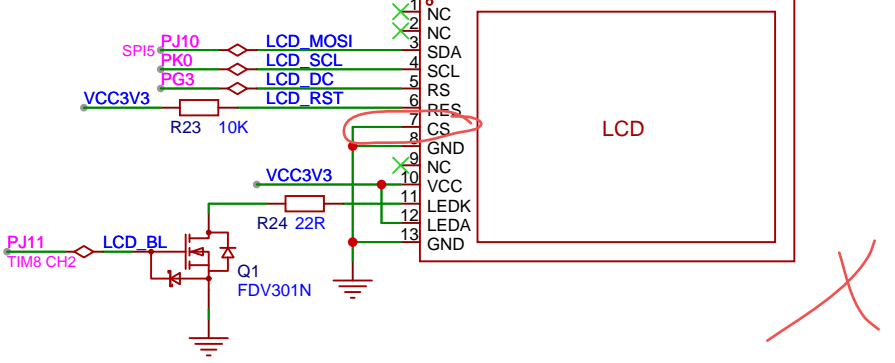
SDRAM



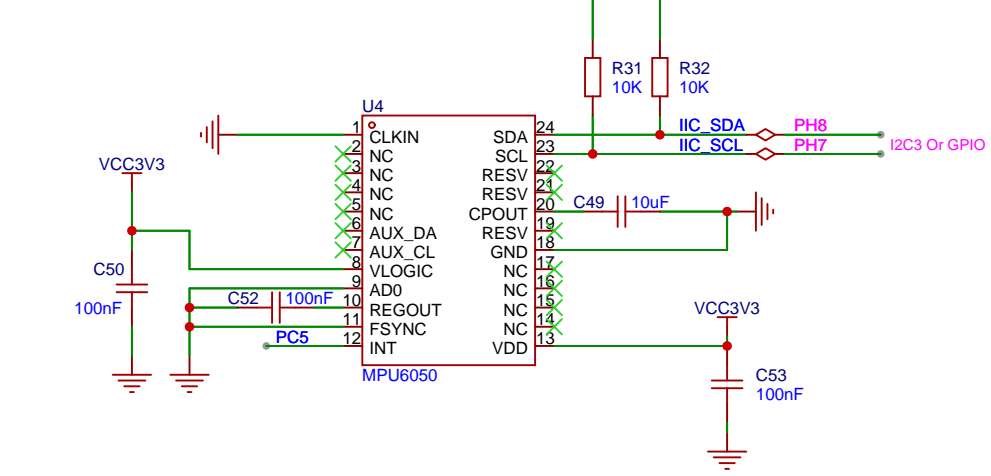
MicroSD



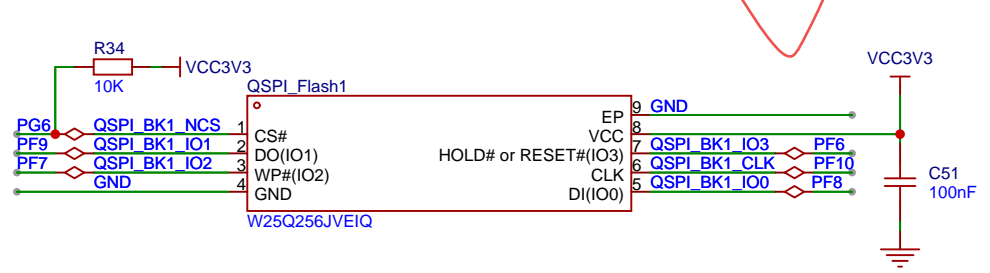
TFT LCD 0.96 inch



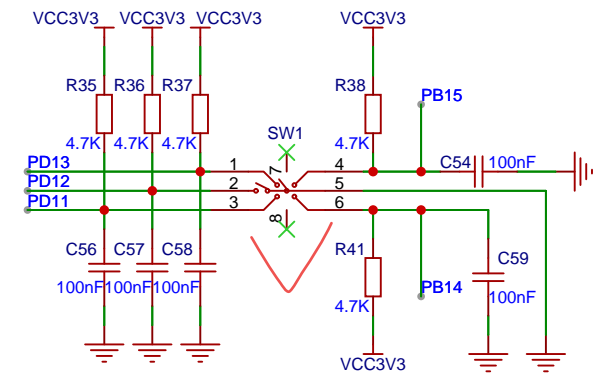
MPU6050 Add:0x68



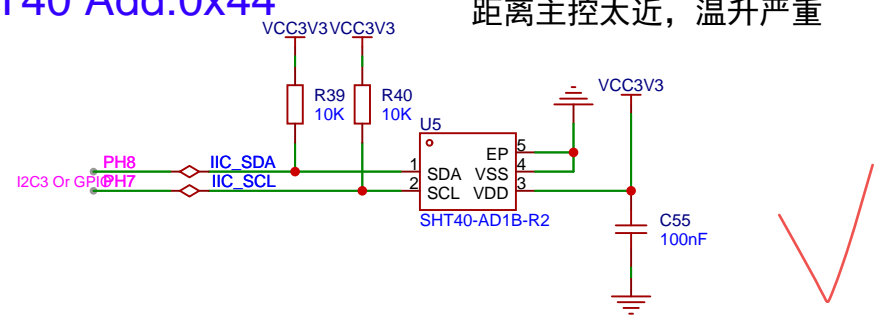
QSPI Flash



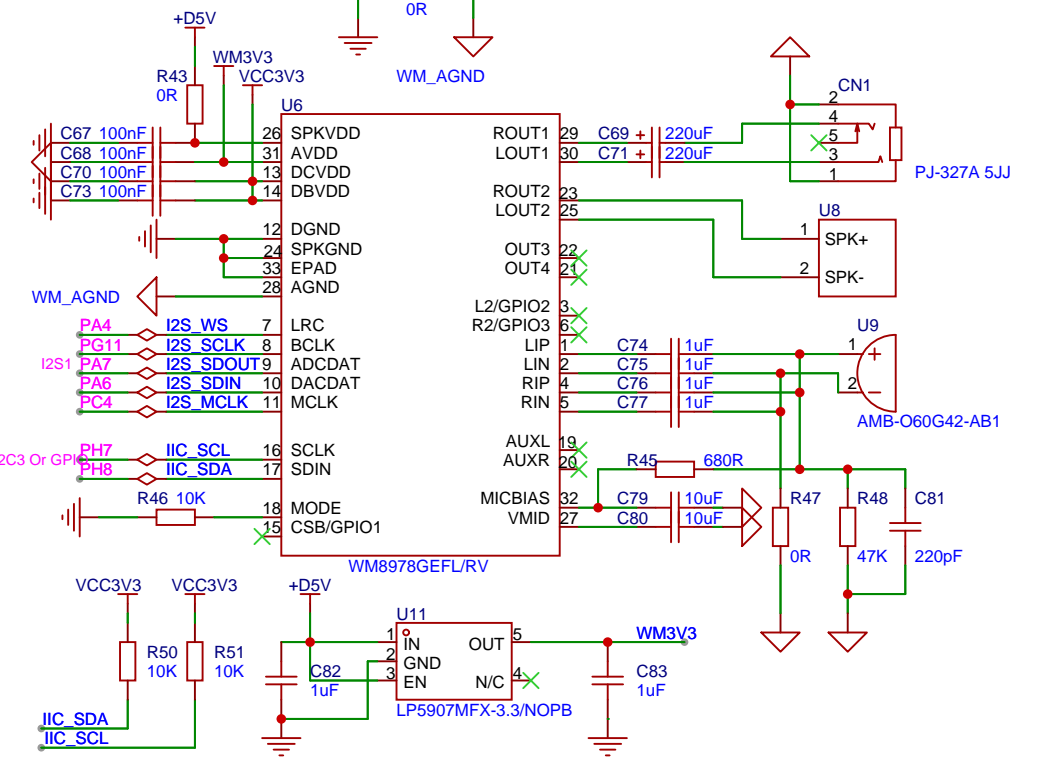
Joy Con



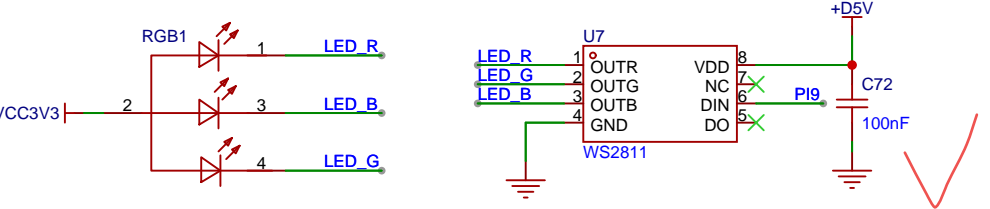
SHT40 Add:0x44



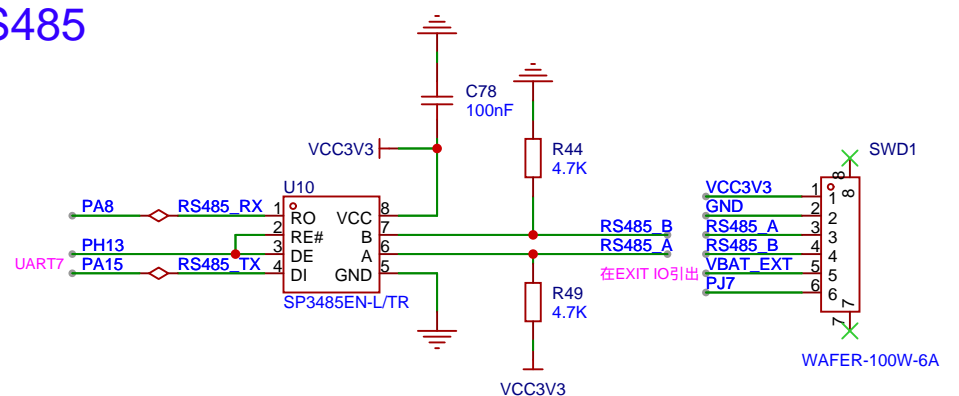
WM8978 Add:0x1A



RGB LED



RS485

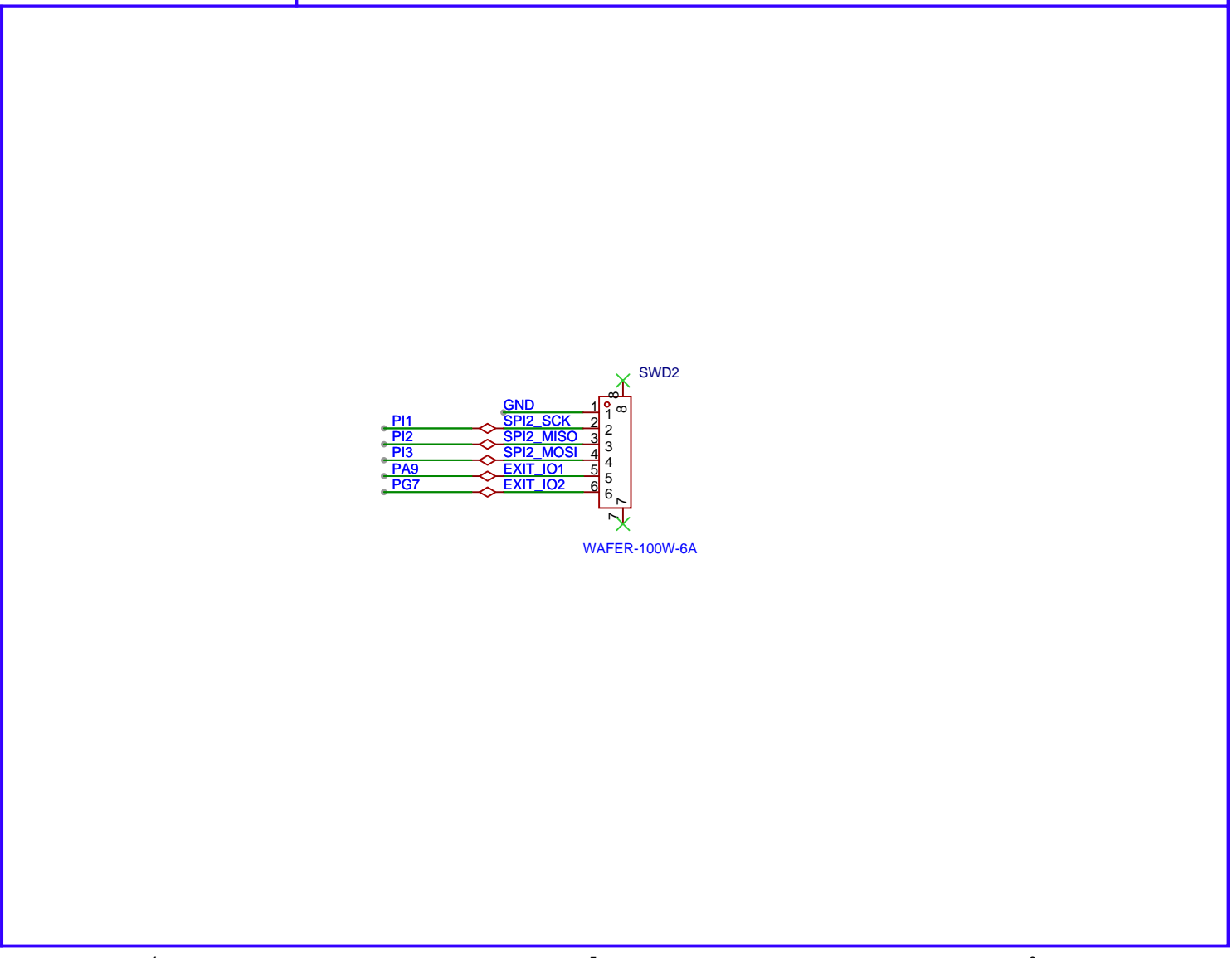


[illegible]

RGB LCD——AT070NT83

Pin	Signal	Pin	Signal
40	+D5V	RGB_VLED	40
39	+D5V	RGB_VLED	39
38	PI5	RGB_BL	38
37	GND		37
36	GND		36
35	VCC3V3		35
34	VCC3V3		34
33	DE Mode VCC3V3	RGB_MODE	33
32	PK7	RGB_DE	32
31	PI13	RGB_VSY	31
30	PI12	RGB_HSY	30
29	GND		29
28	PK6	RGB_B7	28
27	PK5	RGB_B6	27
26	PK4	RGB_B5	26
25	GND		25
24	PK3	RGB_B4	24
23	PJ15	RGB_B3	23
22	PJ14	RGB_B2	22
21	GND		21
20	PK2	RGB_G7	20
19	PK1	RGB_G6	19
18	PH4	RGB_G5	18
17	GND		17
16	PH15	RGB_G4	16
15	PG10	RGB_G3	15
14	PJ9	RGB_G2	14
13	GND		13
12	PJ6	RGB_R7	12
11	PJ5	RGB_R6	11
10	PJ4	RGB_R5	10
9	GND		9
8	PJ3	RGB_R4	8
7	PJ2	RGB_R3	7
6	PJ1	RGB_R2	6
5	GND		5
4	PH14	RGB_CLK	4
3	GND		3
2	PI0	RGB_LR	2
1	PH14	RGB_UP_DN	1

功耗5w, 不过保险丝去电

[illegible]

PINOUT

