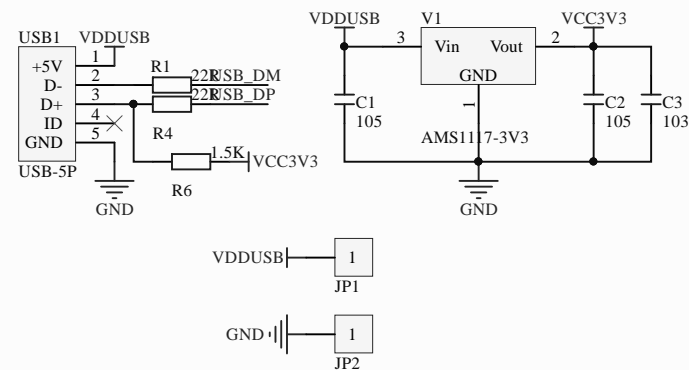
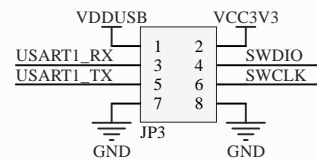


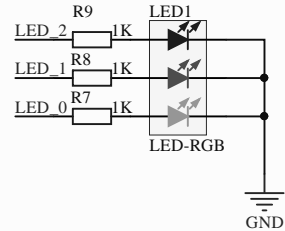
1.8寸TET显示屏



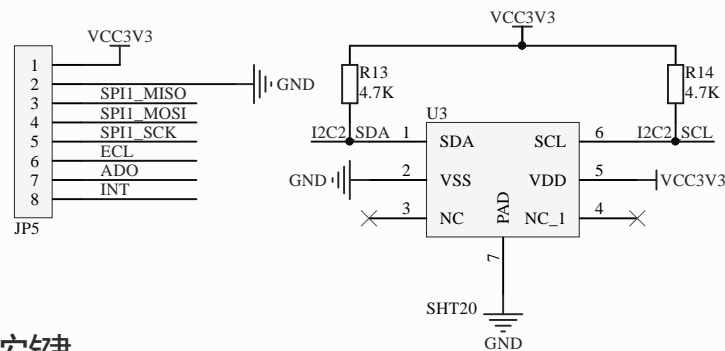
SWD 串口



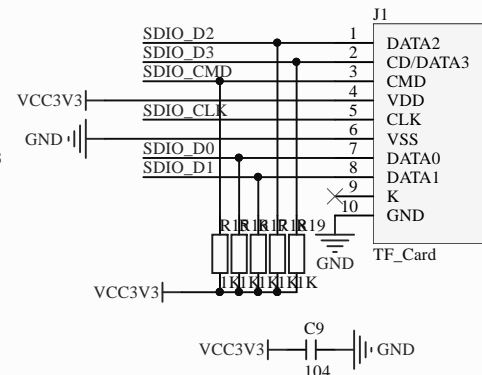
LED



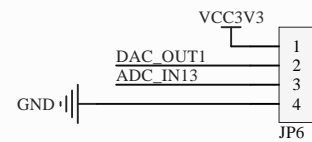
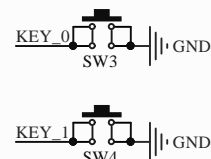
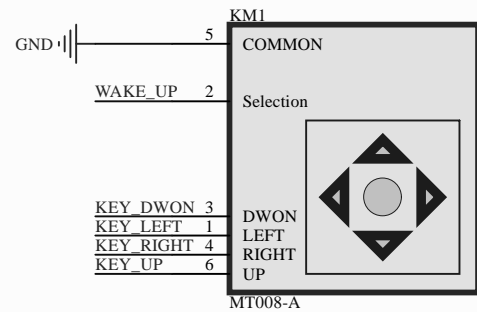
广运模块接口



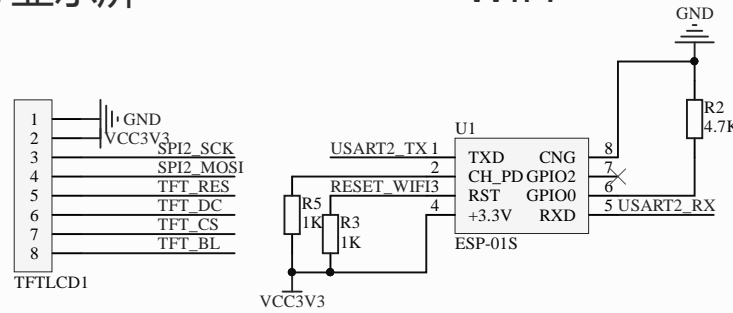
温湿度传感器



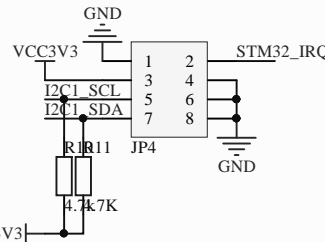
按键



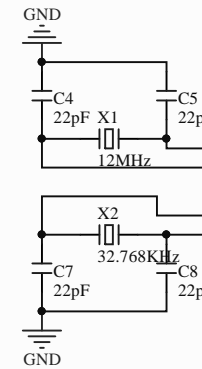
WIFI



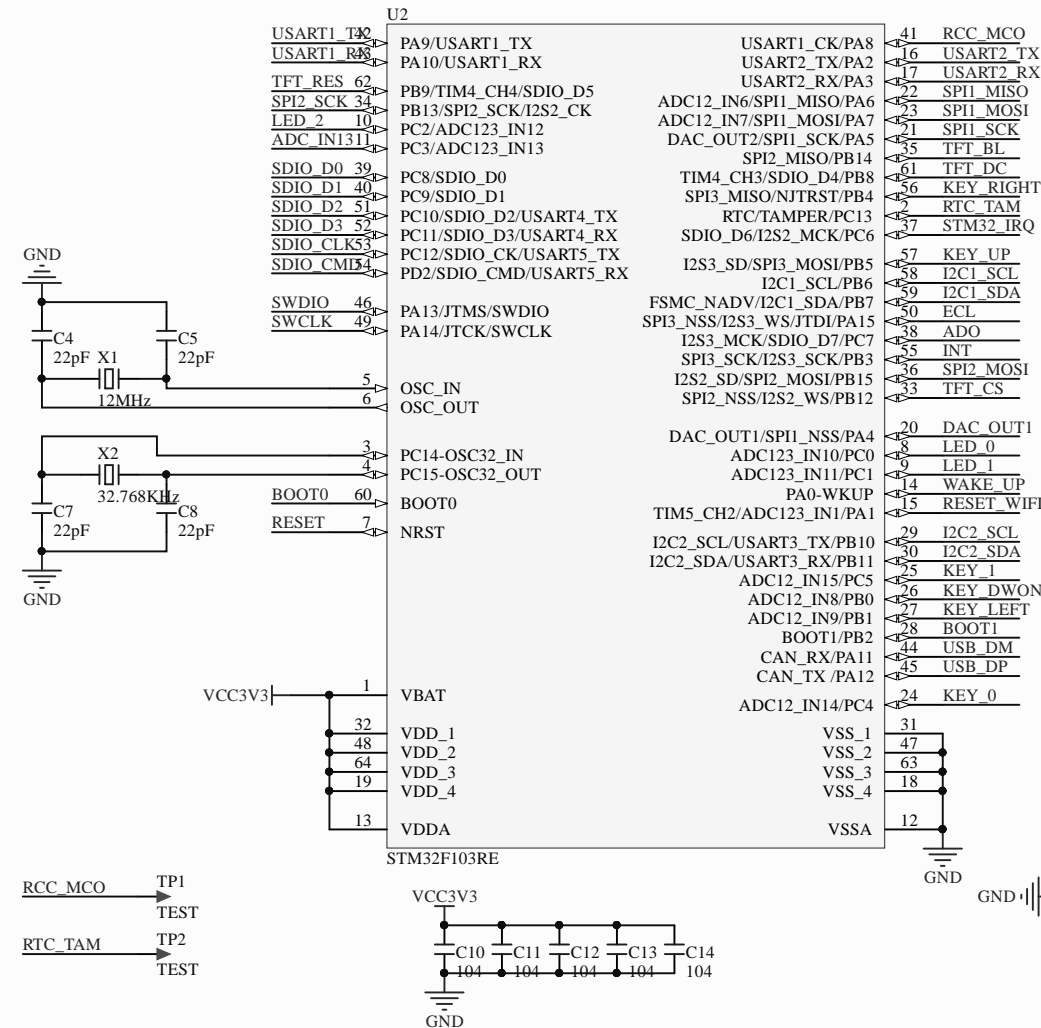
Keyboard



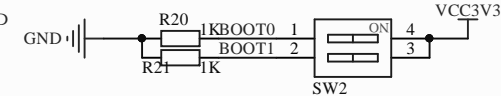
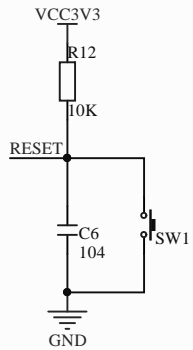
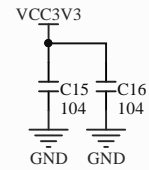
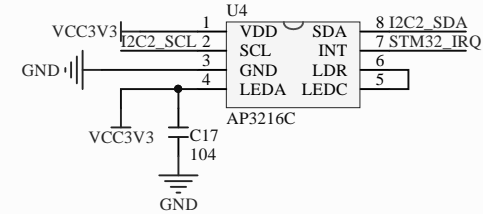
SD卡



MCU

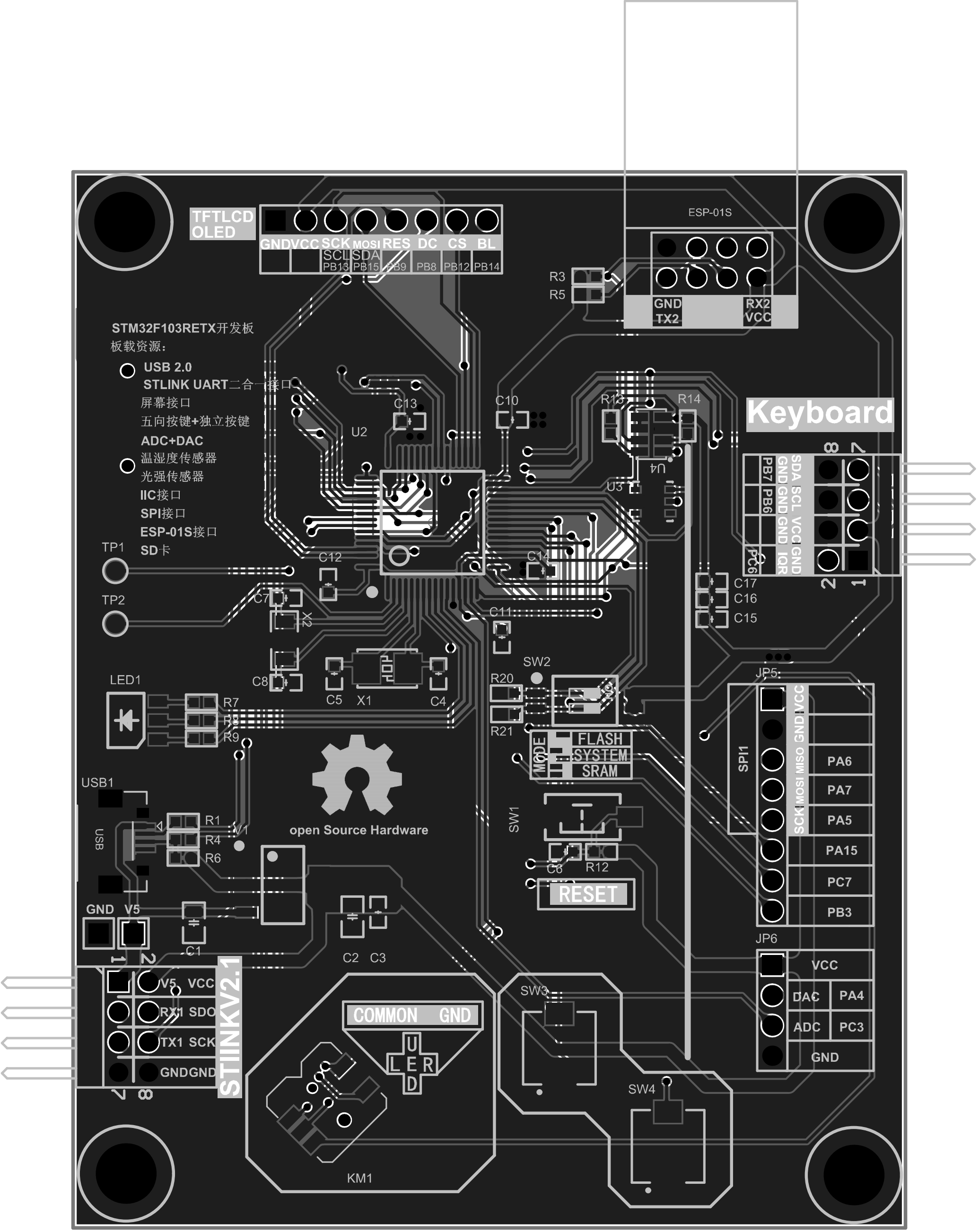


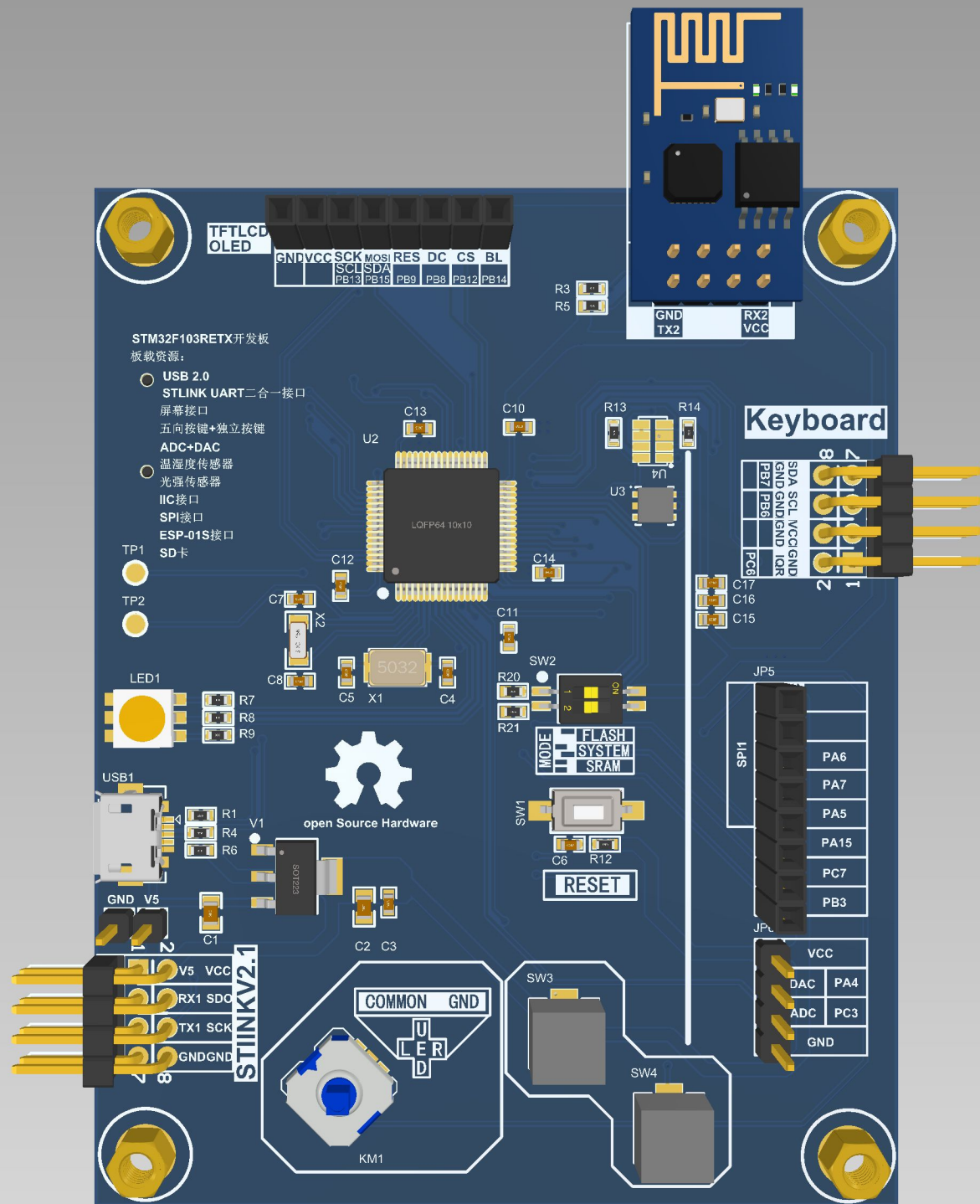
AP3216C



扫码关注微信公众号: Tkwer望远镜

Size Orcad B	FCSM No.	DWG No.	Rev
Scale		Sheet	





STM32F103RETX开发板

板载资源：

- USB 2.0
- STLINK UART 二合一接口
- 屏幕接口
- 五向按键+独立按键
- ADC+DAC
- 温湿度传感器
- 光强传感器
- IIC接口
- SPI接口
- ESP-01S接口
- SD卡

TP1

TP2

LED1

USB1

GND V5

STINKV2.1

COMMON GND

U L E R D

KM1

open Source Hardware

RESET

MODE

FLASH

SYSTEM

SRAM

SW1

SW2

SW3

SW4

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R14

R15

R16

R17

R18

R19

R20

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R307

R308

R309

R310

R311

Comment	Description	Designator	Footprint	Quantity
105	无极性贴片电容	C1, C2	C 0805_L	2
103	无极性贴片电容	C3	C 0603_L	1
22pF	无极性贴片电容	C4, C5, C7, C8	C 0603_L	4
104	无极性贴片电容	C6, C9, C10, C11, C12, C13, C14, C15, C16, C17	C 0603_L	10
TF_Card	TF卡座	J1	Micro SD	1
HDR-1X1	1P接插件	JP1, JP2	HDR2.54-LI-1P	2
Header 4X2	4*2P接插件	JP3, JP4	HDR2.54-WI-2x4P	2
HDR-1X8	8P接插件	JP5, TFTLCD1	HDR2.54-M-LI-8P	2
HDR-1X4	4P接插件	JP6	HDR2.54-LI-4P	1
MT008-A		KM1	JOY_MT008-A	1
LED-RGB	三基色LED	LED1	LED 5050	1
22R	贴片电阻	R1, R4	R 0603_L	2
4.7K	贴片电阻	R2, R10, R11, R13, R14	R 0603_L	5
1K	贴片电阻	R3, R5, R7, R8, R9, R15, R16, R17, R18, R19, R20, R21	R 0603_L	12
1.5K	贴片电阻	R6	R 0603_L	1
10K	贴片电阻	R12	R 0603_L	1
M3铜柱	铜柱	SP1, SP2, SP3, SP4	M3x4_L	4
3x6x5	3x6轻触开关	SW1	TSW SMD-3*6*2.5	1
CSW-2P	2路编码开关	SW2	CSW1.27 SMD-2P	1
6x6x5	贴片6x6轻触开关	SW3, SW4	SODFL700X110-2N	2
TEST	测试点	TP1, TP2	TEST 1.6	2
ESP-01S	ESP-01S	U1	ESP-01S	1
STM32F103RE	32位STM单片机	U2	LQFP64 10X10_N	1
SHT20		U3	sht20	1
AP3216C	ALS+ PS Sensor	U4	DFN8	1
USB-5P	微型USB母座	USB1	USB-MICRO_A	1
AMS1117-3V3	三端稳压芯片	V1	SOT223_L	1
12MHz	2脚晶振	X1	OSC 5032-2P	1
32.768KHz	2脚晶振	X2	XTAL-3215	1