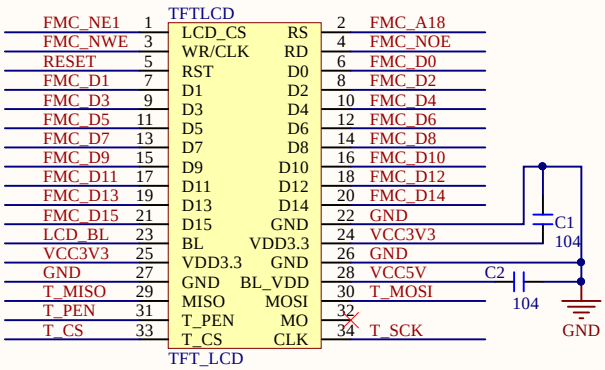
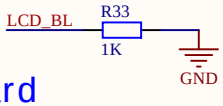
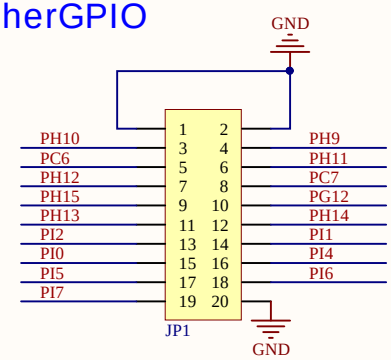
TFTLCD

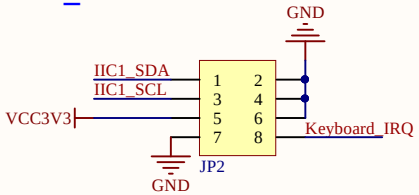




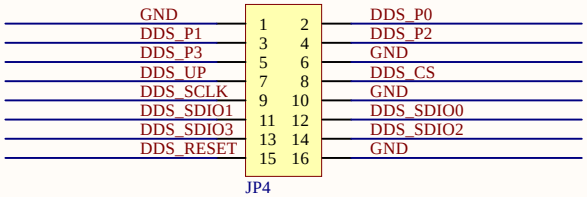
otherGPIO



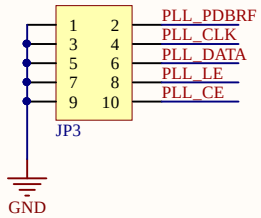
KEY_Board



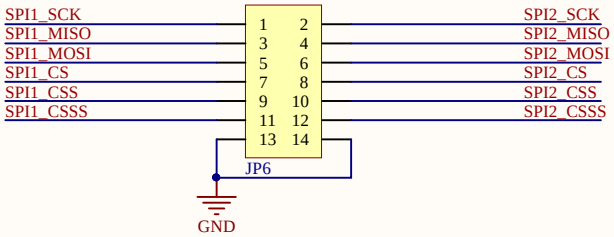
DDS



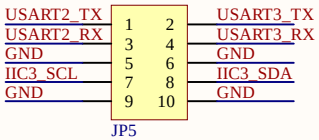
PLL



SPI接口



USART&IIC



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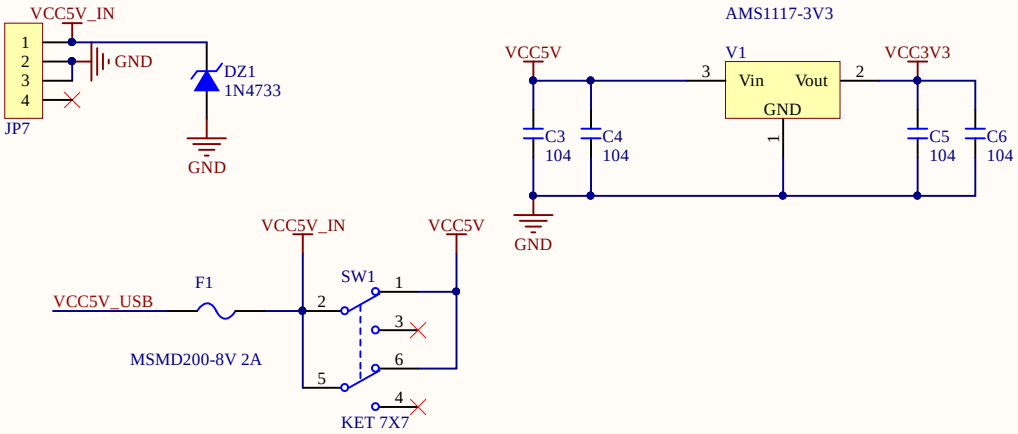

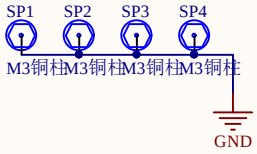

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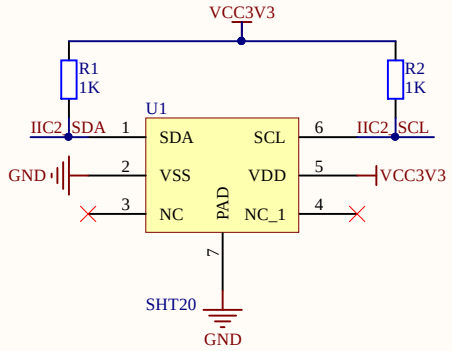

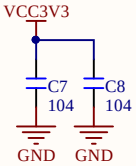

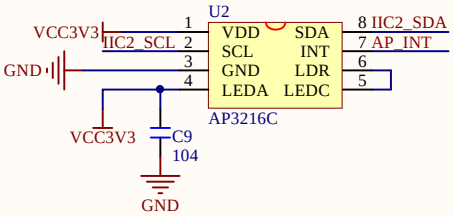

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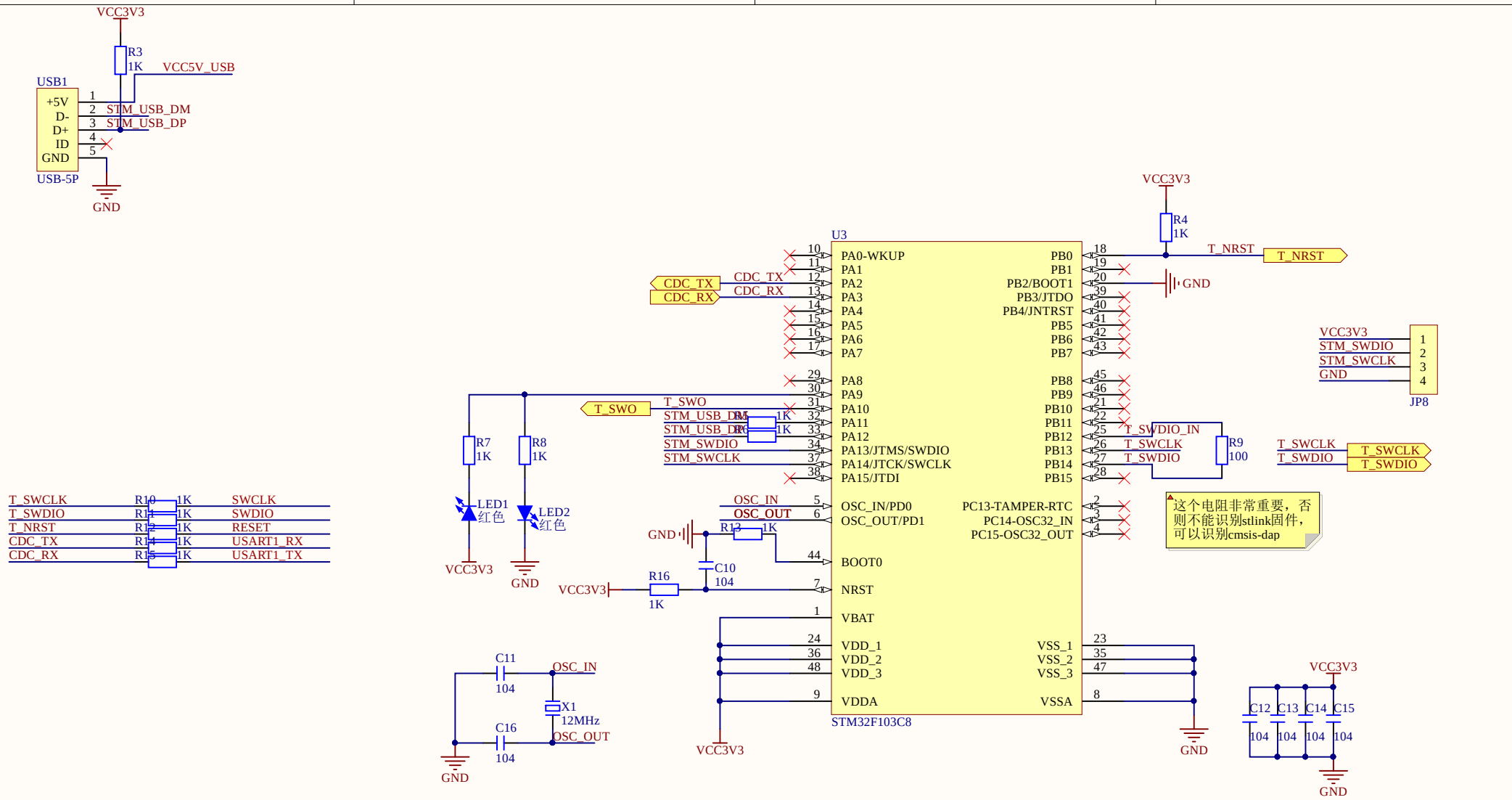

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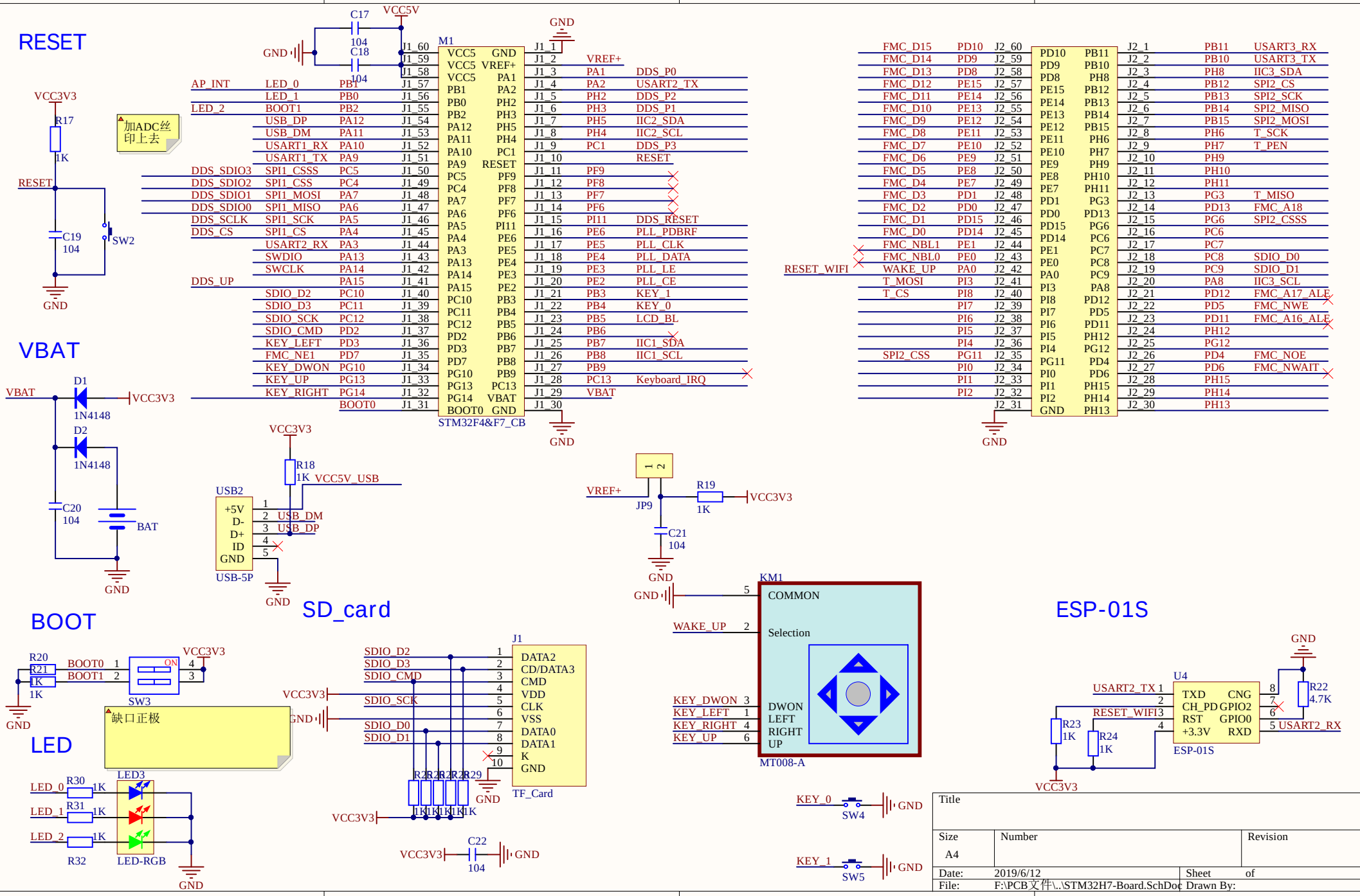
RESET
VBAT
BOOT
LED
SD_card
ESP-01S
M1
STM32F4&F7_CB
J1
TF_Card
KM1
MT008-A
U4
ESP-01S
USB2
USB-5P
SW3
SW4
SW5
JP9
LED3
LED-RGB
加ADC丝印上去
缺口正极
Title
Size
A4
Number
Revision
Date: 2019/6/12
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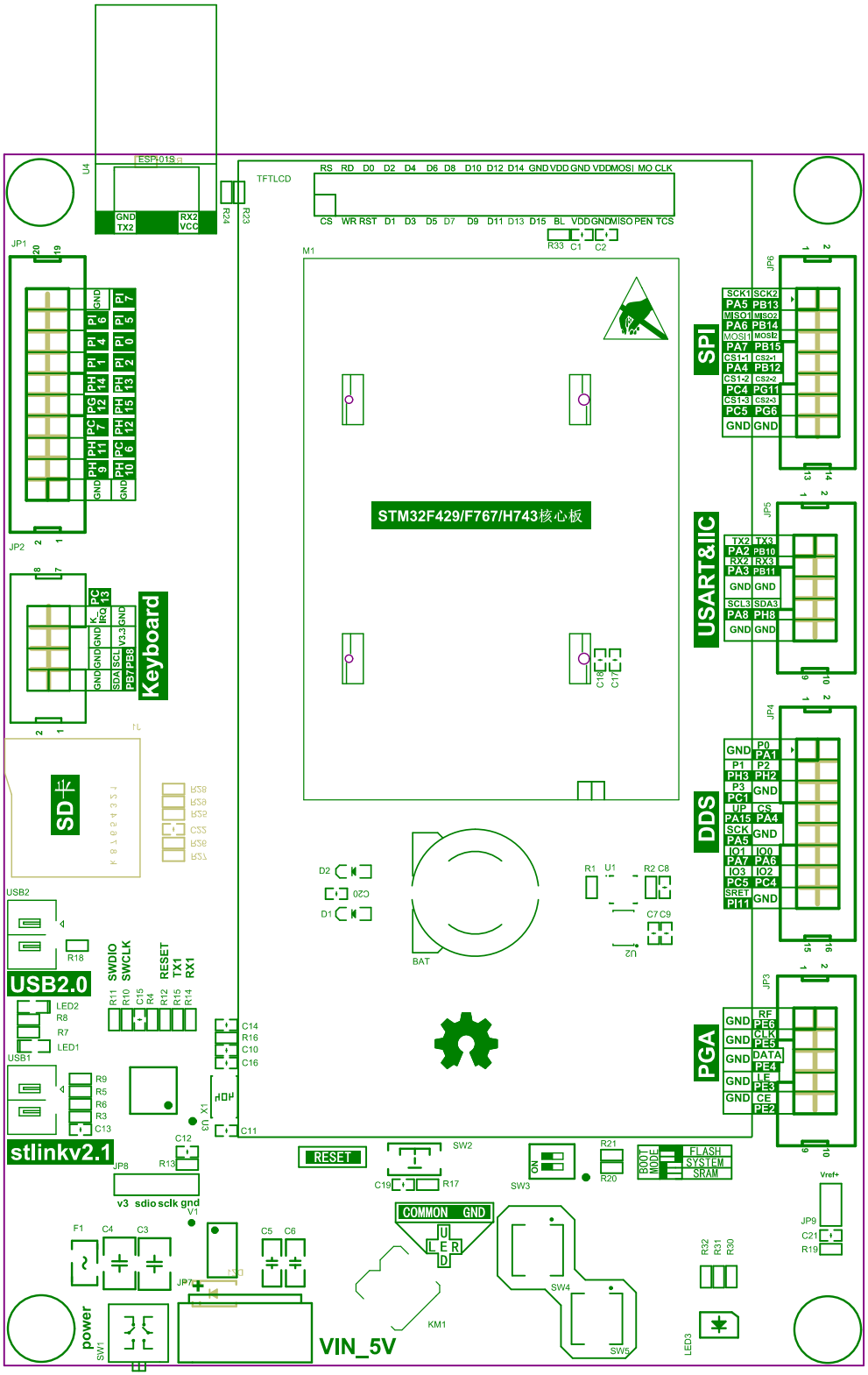
Drawn By:


STM32F429/F767/H743核心板
SPI
USART&IIC
DDS
PGA
Keyboard
SD
USB2.0
stlinkv2.1
power
VIN_5V
TFTLCD
ESP-01S
RESET
COMMON GND
FLASH
SYSTEM
SRAM
SWDIO
SWCLK
RESET
TX1
RX1
v3 sdio sclk gnd
BAT
KM1

Comment	Description	Designator	Footprint	LibRef	Quantity
BATT		BAT	BATM	BAT	1
104	无极性贴片电容	C1, C2, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22	C 0603_L	C	18
104	无极性贴片电容	C3, C4	C 1812_L	C	2
104	无极性贴片电容	C5, C6	C 1206_M	C	2
1N4148	高速开关二极管	D1	SOD-323	1N4148	1
1N4148	高速开关二极管	D2	MINI_MELF (LL34)	1N4148	1
1N4733	5.1V/1W稳压管	DZ1	SMA	1N4733	1
MSMD200-8V 2A	贴片保险丝	F1	FU 1210	FU	1
TF_Card	TF卡座	J1	Micro SD	TF_Card	1
Header 2X10	10*2P接插件	JP1	IDC2.54-LI-2x10P	Header 10X2	1
Header 4X2	4*2P接插件	JP2	IDC2.54-LI-2x4P	Header 4X2	1
Header 5X2	5*2P接插件	JP3, JP5	IDC2.54-LI-2x5P	Header 5X2	2
Header 8X2	8*2P接插件	JP4	IDC2.54-LI-2x8P	Header 8X2	1
Header 2X7	7*2P接插件	JP6	IDC2.54-LI-2x7P	Header 7X2	1
HDR-1X4	4P接插件	JP7	VH3.96-LI-4P	Header 4	1
HDR-1X4	4P接插件	JP8	HDR2.54-LI-4P	Header 4	1
HDR-1X2	2P接插件	JP9	HDR2.54-LI-2P	Header 2	1
MT008-A		KM1	JOY_MT008-A	MT-008A	1
红色	贴片LED	LED1, LED2	LED 0603B	LED-SMD	2
LED-RGB	三基色LED	LED3	LED 5050	LED-RGB	1
STM32F4&F7_CB	F429/746 Core Board	M1	STM32F4&F7_CB	STM32F4&F7_CB	1
1K	贴片电阻	R1, R2, R3, R4, R5, R6, R7, R8, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33	R 0603_L	R	31
100	贴片电阻	R9	R 0603_L	R	1
4.7K	贴片电阻	R22	R 0603_L	R	1
M3铜柱	铜柱	SP1, SP2, SP3, SP4	M3x4_L	铜柱小焊盘	4
KET 7X7	7*7自锁开关	SW1	KFT DIP-7X7	KET 7X7	1
3x6x5	3x6轻触开关	SW2	TSW SMD-3*6*2.5	TSW 3x6	1
CSW-2P	2路编码开关	SW3	CSW1.27 SMD-2P	CSW-2P	1
3x6x5	3x6轻触开关	SW4, SW5	SODFL700X110-2N	TSW 3x6	2
TFT_LCD		TFTLCD	db2*17-4.3	TFT_LCD	1
SHT20		U1	sht20	SHT20	1
AP3216C	ALS+PS Sensor	U2	DFN8	AP3216C	1
STM32F103C8	Flaah:64/RAM:20/IO:36	U3	LQFP48 7X7_M	STM32F103C8	1
ESP-01S	ESP-01S	U4	ESP-01S	ESP-01S	1
USB-5P	微型USB母座	USB1, USB2	USB-MICRO_B	USB-5P	2
AMS1117-3V3	三端稳压芯片	V1	SOT223_L	AMS1117	1
12MHz	2脚无源脚晶振	X1	OSC 5032-2P	XTAL-2P	1