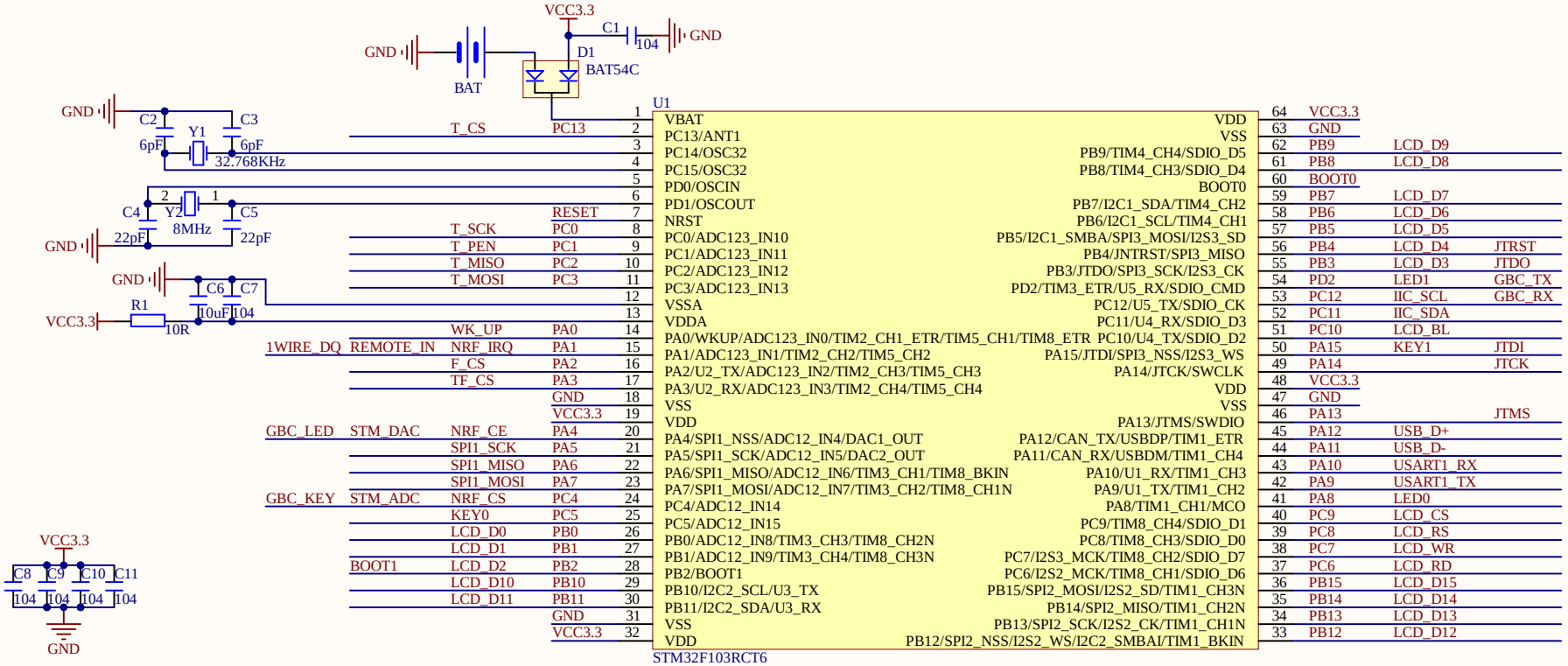
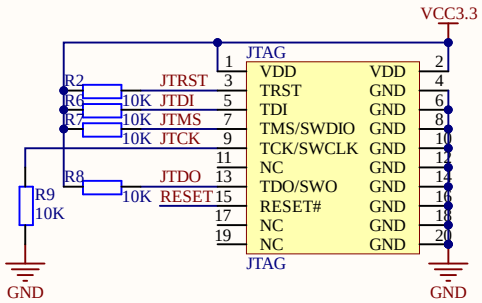
MCU

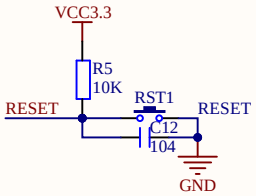


MCU电源去耦电容,必须尽量靠近MCU电源脚
STM32F103RCT6总共有4组数字电源脚.
这4个电容应该尽量靠近数字电源脚放置.

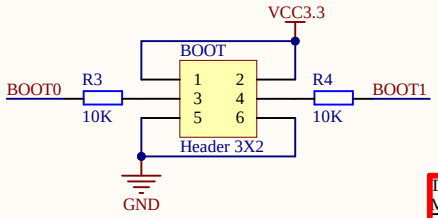
JTAG/SWD



RESET



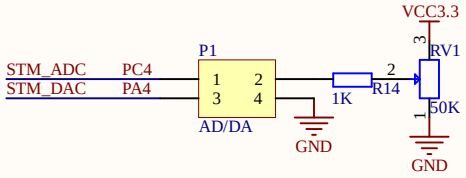
BOOT



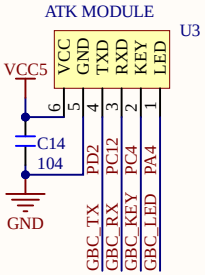
Title: MiniSTM32F103.PrjPCB	
Author: ATOM	Size: A4
Date: 2023/6/7	File: CORE.SchDoc
Revision: V4.5	Version:

正点原子

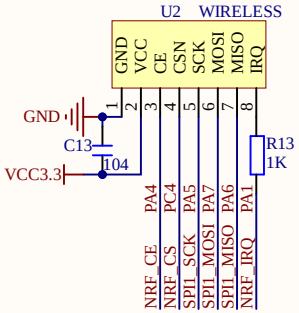
ADC&DAC



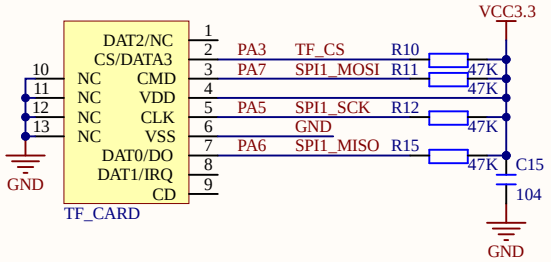
ATK MODULE



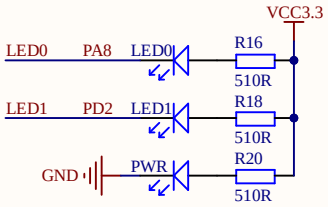
WIRELESS



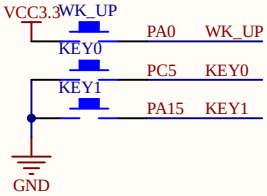
TF CARD



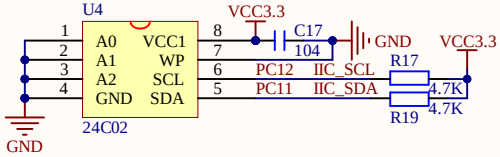
LED



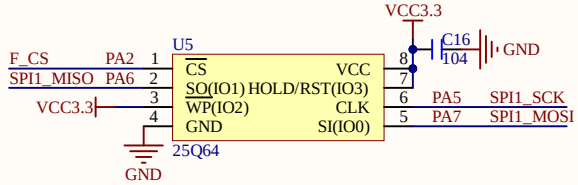
KEY



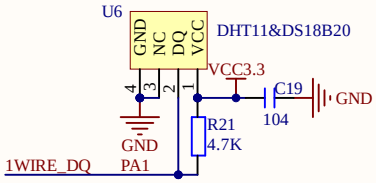
EEPROM



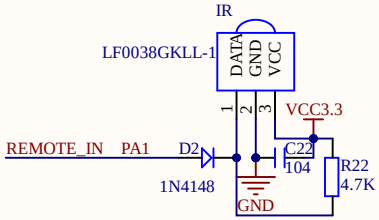
SPI FLASH



TEMP&HUMI SENSOR

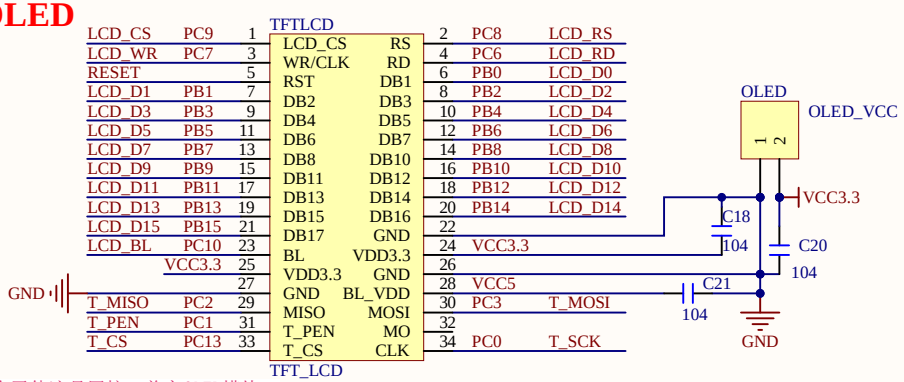


REMOTE



注意：1N4148起到隔离IR和单总线接口的作用，必须加这个，否则单总线和IR必须使用两个独立的IO口，加入1N4148可以使得IR和1N4148使用同一个IO，而不容易互相干扰

LCD&OLED



OLED_VCC是为了使液晶屏接口兼容OLED模块而添加的1个2P座，用于给OLED供电.

OLED_VCC的1脚(GND)挨着LCD_RS
OLED_VCC的2脚(VCC3.3)挨着LCD_CS

OLED_VCC + TFTLCD组成一个2*18P的排座!

Title: MiniSTM32F103.PrjPCB	
Author: ATOM	Size: A4
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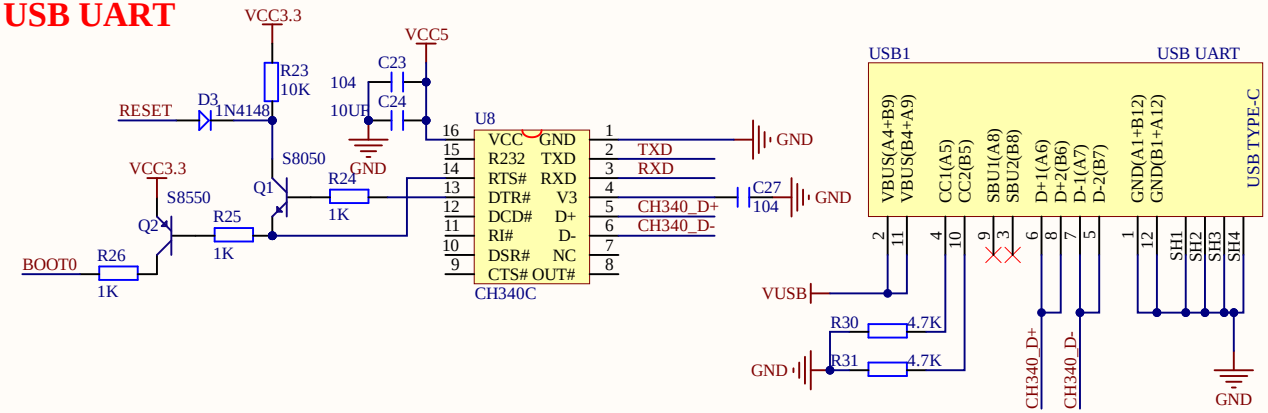
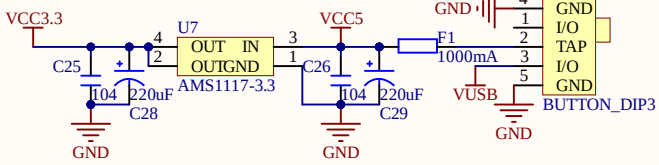
Revision: V4.5	Version:

正点原子

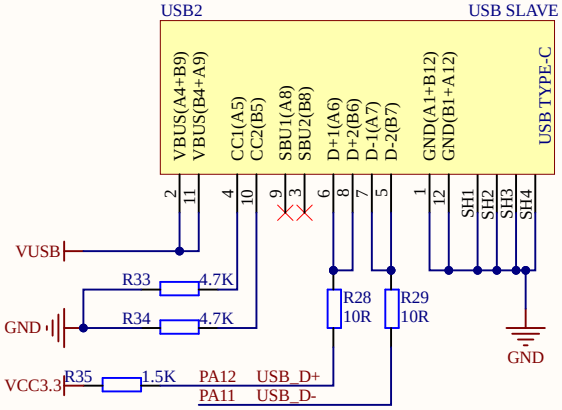
USB UART



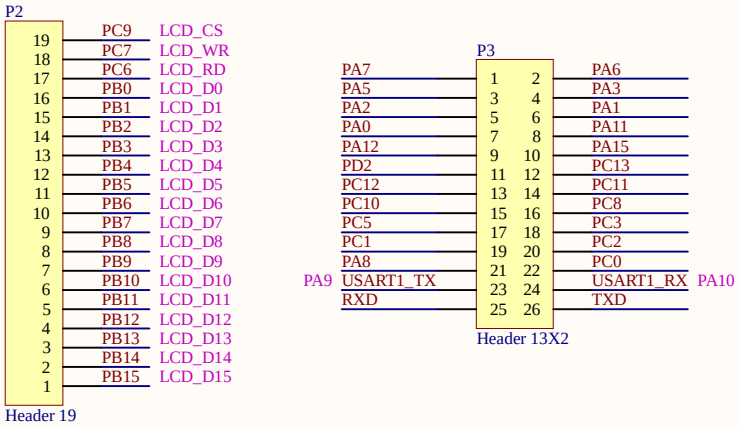
LDO



USB SLAVE



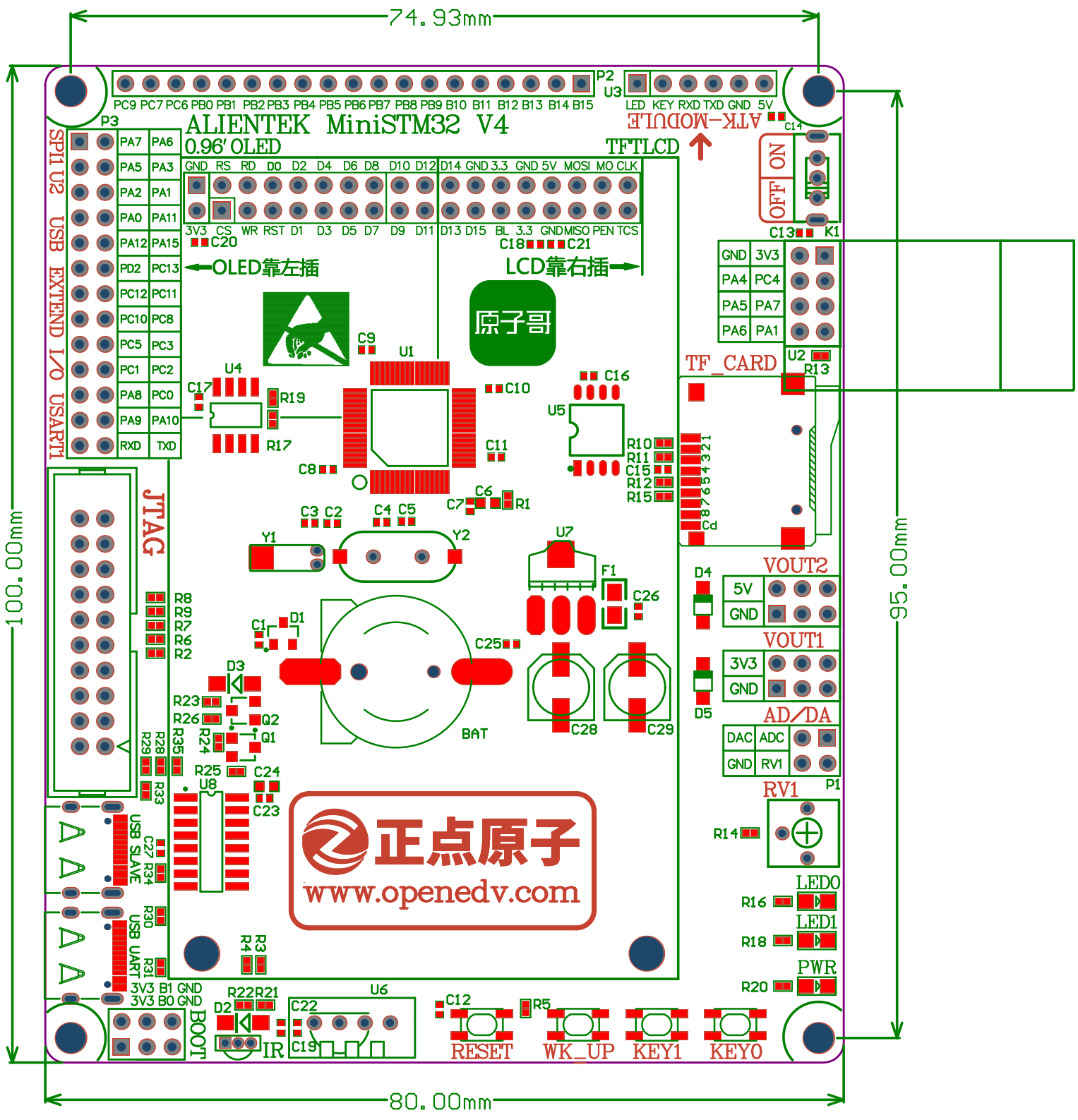
EXTEND I/O



ON BOARD POWER SOURCE

Title: MiniSTM32F103.PrjPCB	
Author: ATOM	Size: A4
Date: 2023/6/7	File: POWER.SchDoc
Revision: V4.5	Version:

正点原子


74.93mm
100.00mm
95.00mm
80.00mm
ALIENTEK MiniSTM32 V4
0.96' OLED
TFTLCD
ATK-MODULE
OLED靠左插
LCD靠右插
原子哥
SPI1 U2
USB EXTEND I/O USART1
JTAG
TF_CARD
VOUT2
VOUT1
AD/DA
RV1
LED0
LED1
PWR
USB SLAVE
USB UART
BOOT
IR
RESET
WK_UP
KEY1
KEY0
BAT
正点原子
www.openedv.com