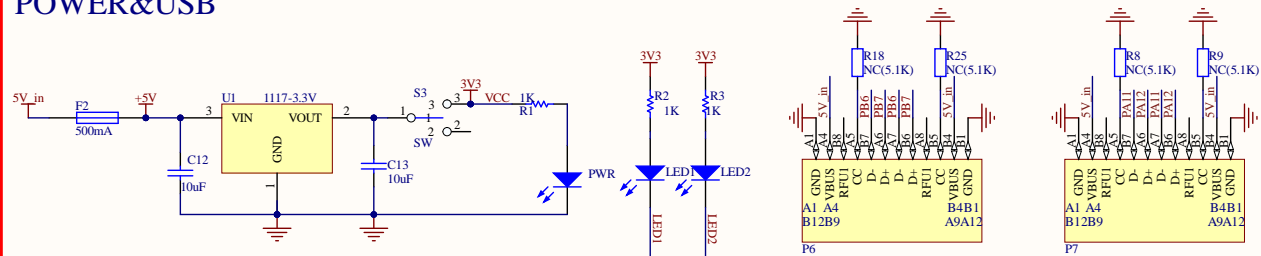
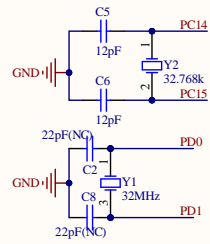


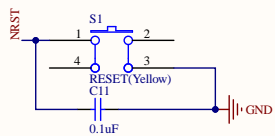
## POWER&amp;USB



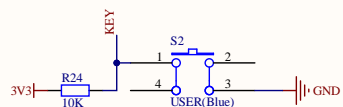
## XTAL



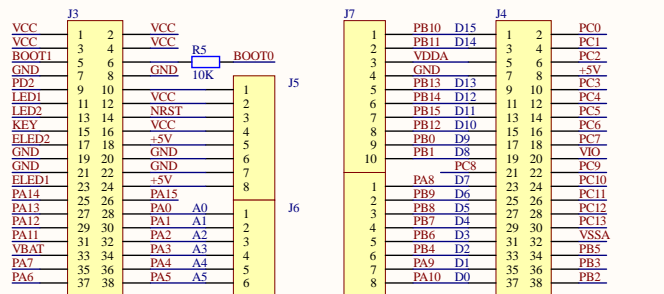
## RST



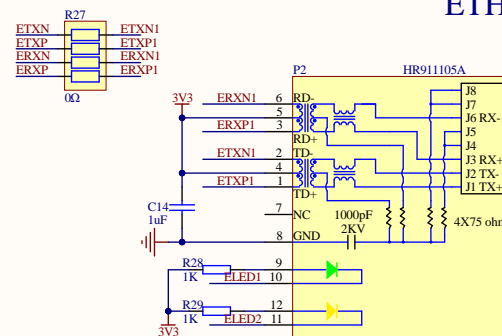
## KEY



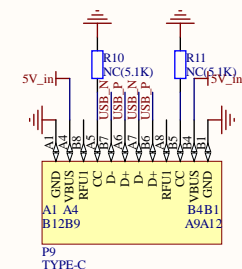
## ARDUINO



## ETH

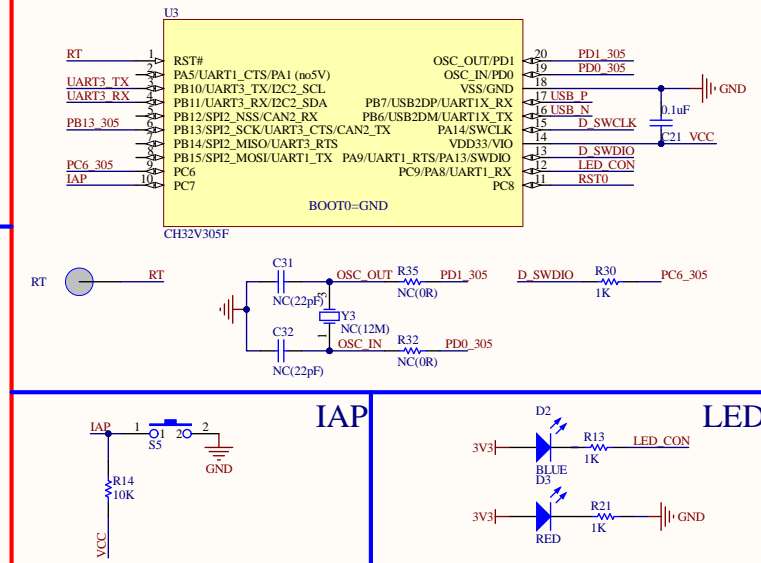


## POWER&amp;USB

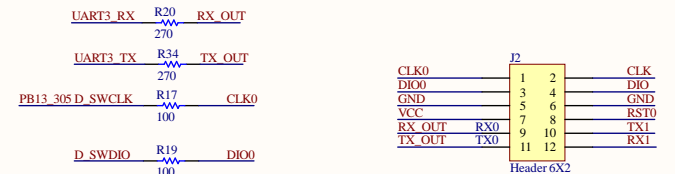


## WCH\_LinkE

## MCU

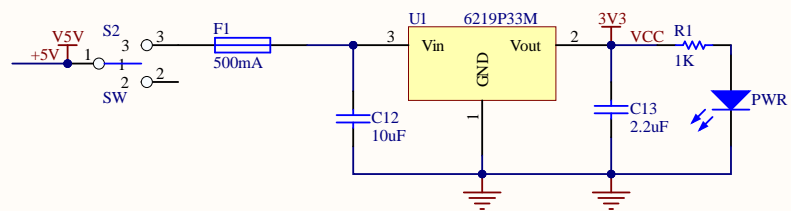


## SWD&amp;UART

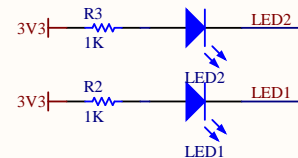


空闲时蓝灯常亮-ARM模式  
空闲时蓝灯常灭-Risc-V模式

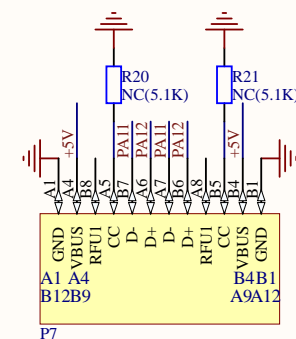
## POWER



## LED

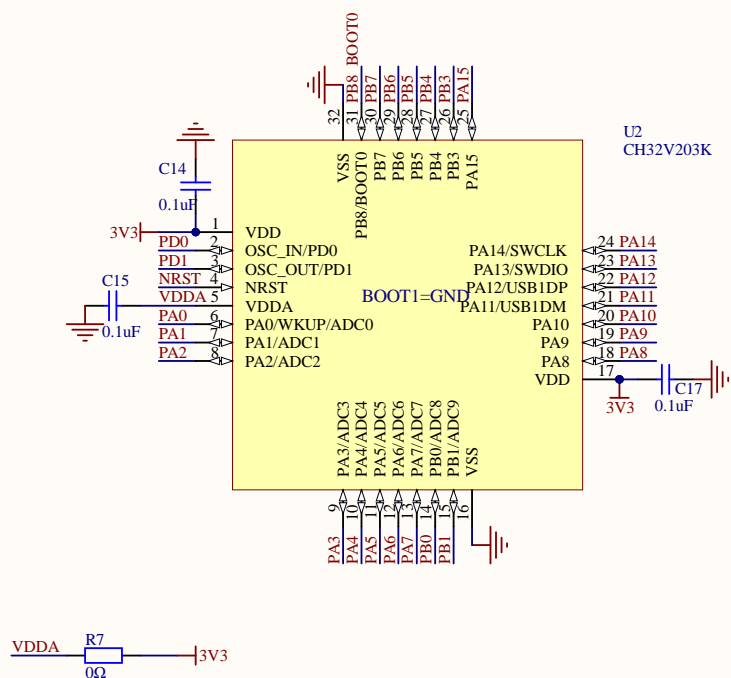


## USB

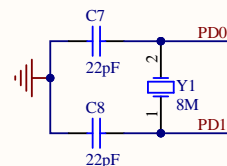


## MCU

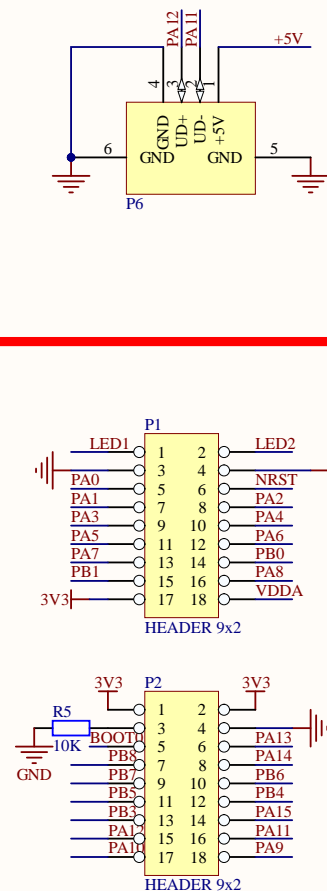
## CH32x203K



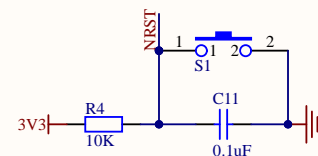
## XTAL



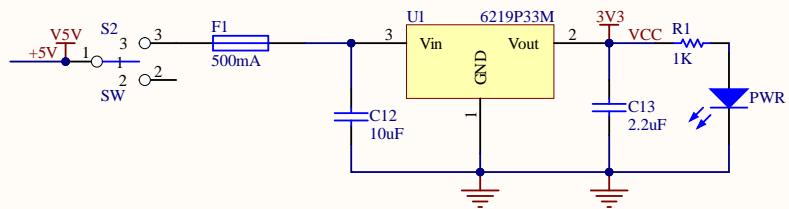
## PIN



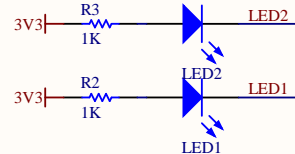
## RST



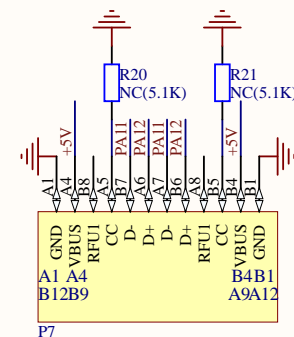
## POWER



## LED

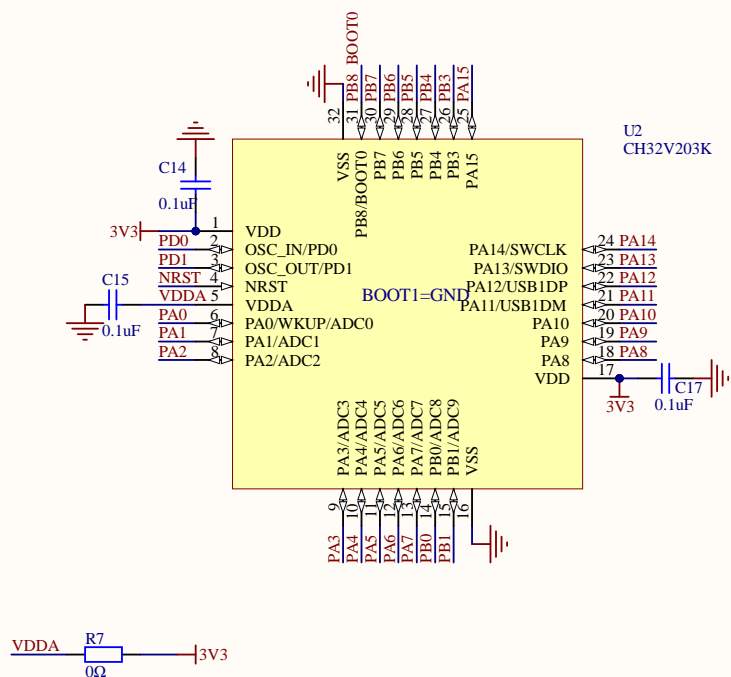


## USB

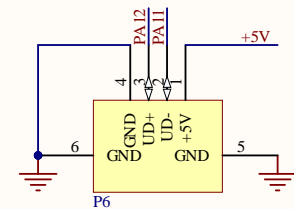
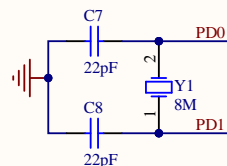


## MCU

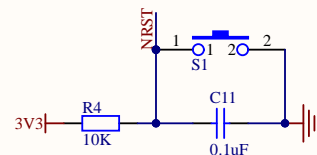
## CH32x203K



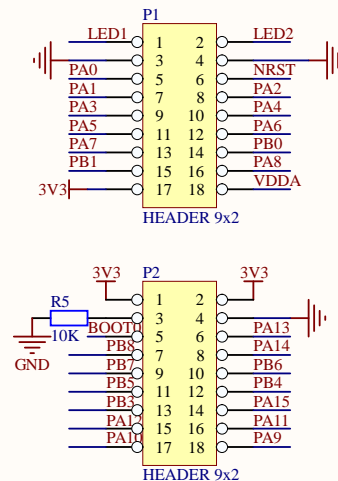
## XTAL



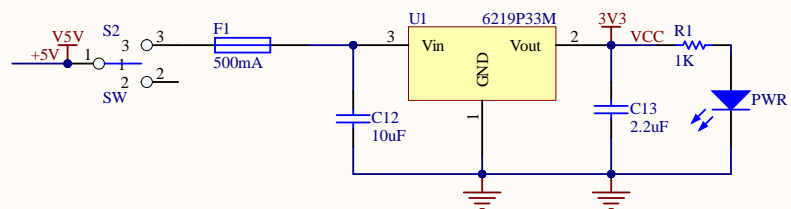
## RST



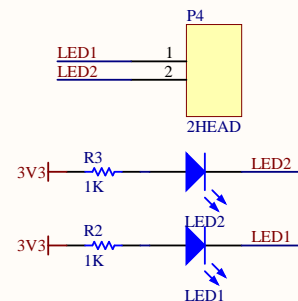
## PIN



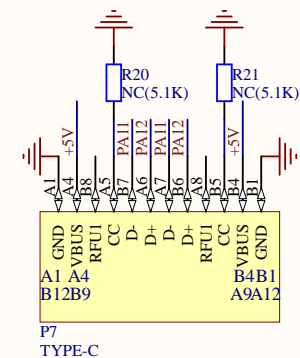
## POWER



## LED

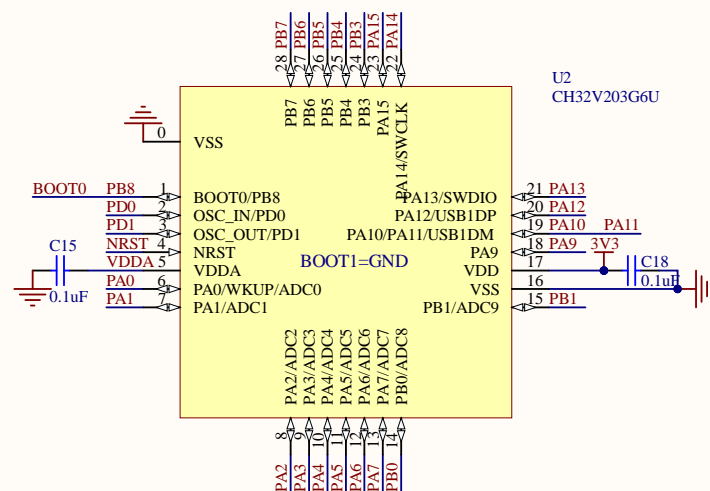


## USB

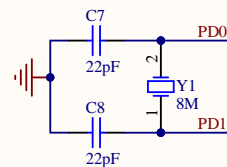


## MCU

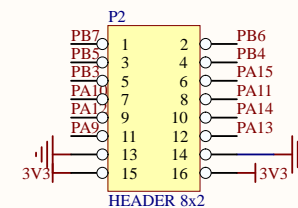
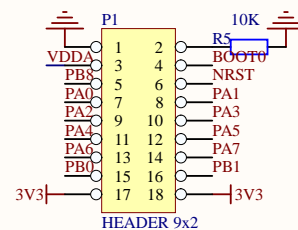
CH32V203G\_MINI



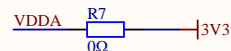
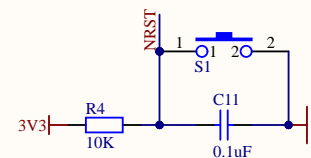
## XTAL



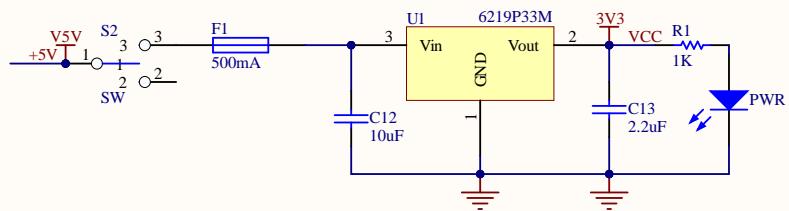
## PIN



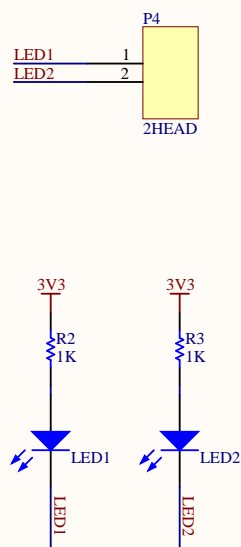
## RST



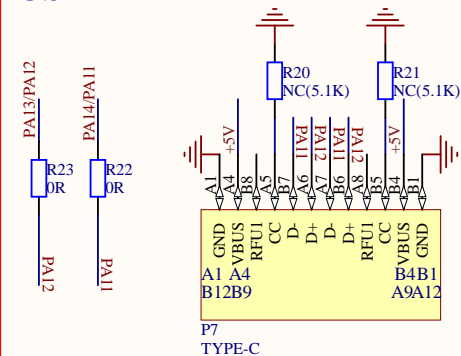
# POWER



# LED

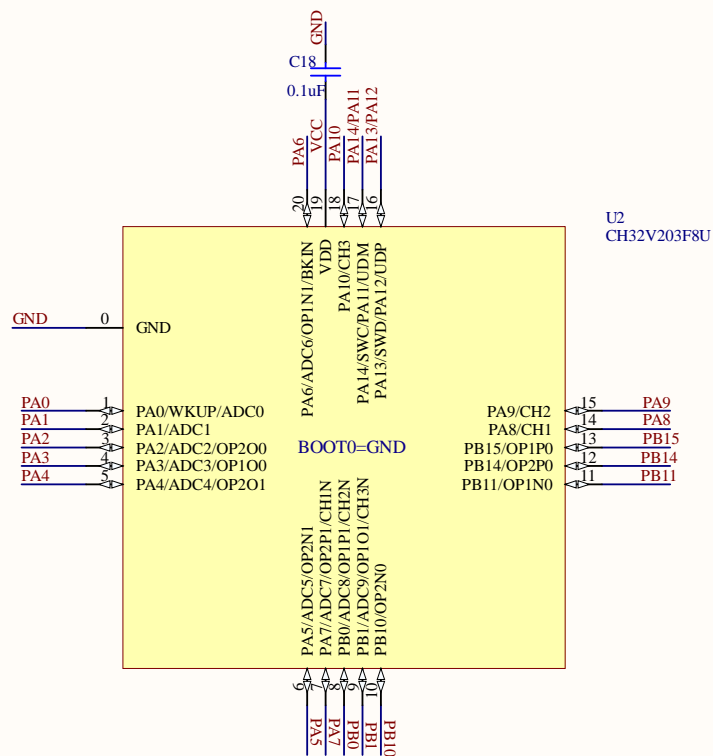


# USB

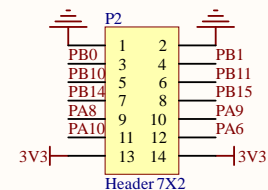
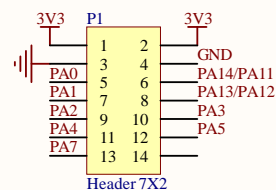


# MCU

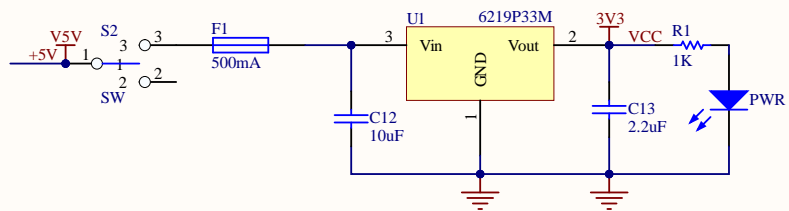
## CH32V203F8U\_MINI



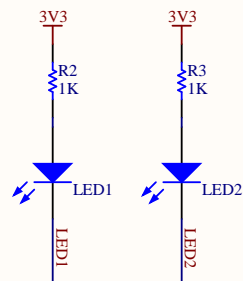
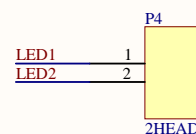
# PIN



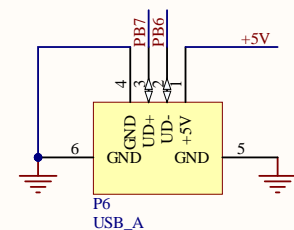
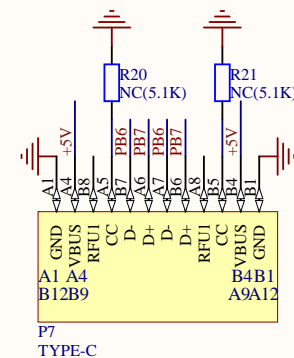
## POWER



## LED

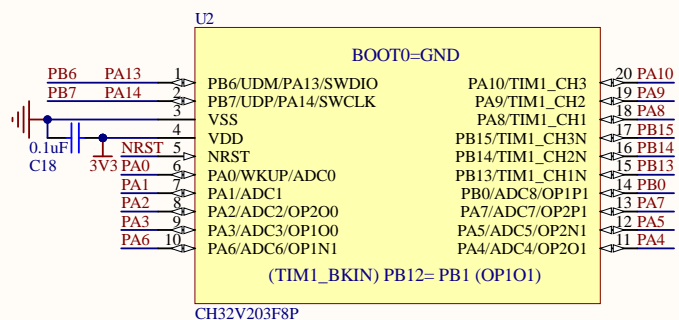


## USB

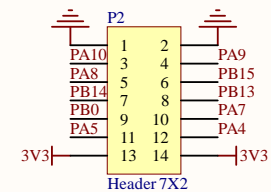
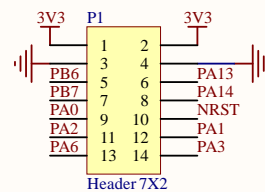


## MCU

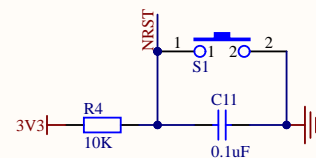
## CH32V203F8\_MINI



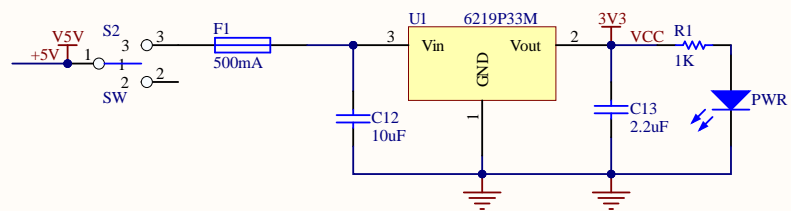
## PIN



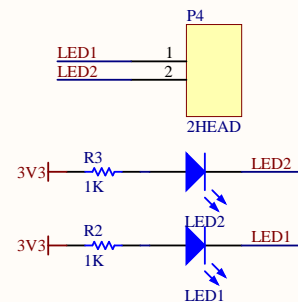
## RST



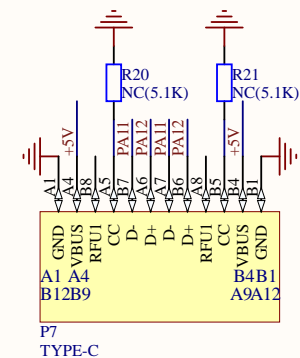
## POWER



## LED

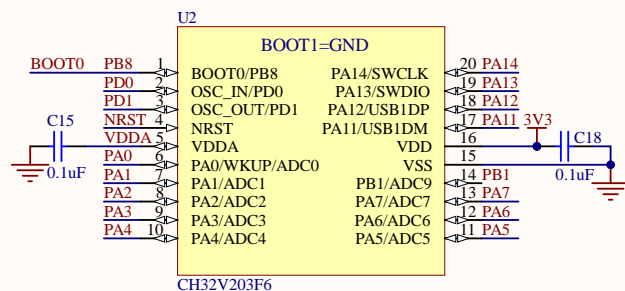


## USB

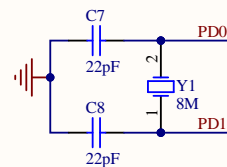


## MCU

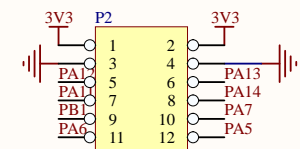
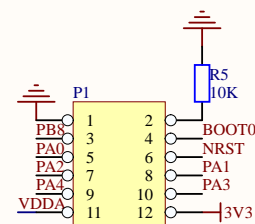
CH32V203F\_MINI



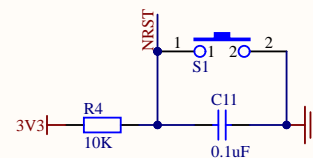
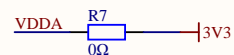
## XTAL



## PIN



## RST



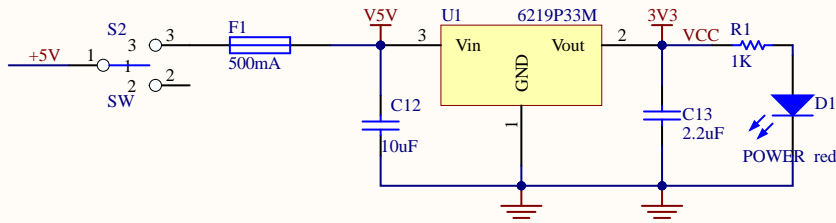




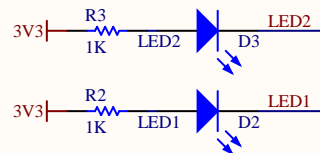
The diagram shows two pin headers, P1 and P2, with their respective pin connections. P1 is a 12x2 header with pins 1-24. P2 is an 11x2 header with pins 1-22. The connections are as follows:

- P1 Header (12x2):**
  - Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 are connected to 3V3.
  - Pins 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 are connected to GND.
  - Pins 19, 20 are connected to R5 10K, which is connected to BOOT0.
  - Pins 21, 22 are connected to R6 10K, which is connected to BOOT1.
- P2 Header (11x2):**
  - Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21 are connected to 3V3.
  - Pins 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 are connected to GND.
  - Pins 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21 are connected to LED1.
  - Pins 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 are connected to LED2.

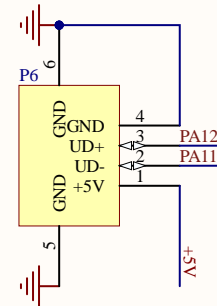
## POWER



## LED

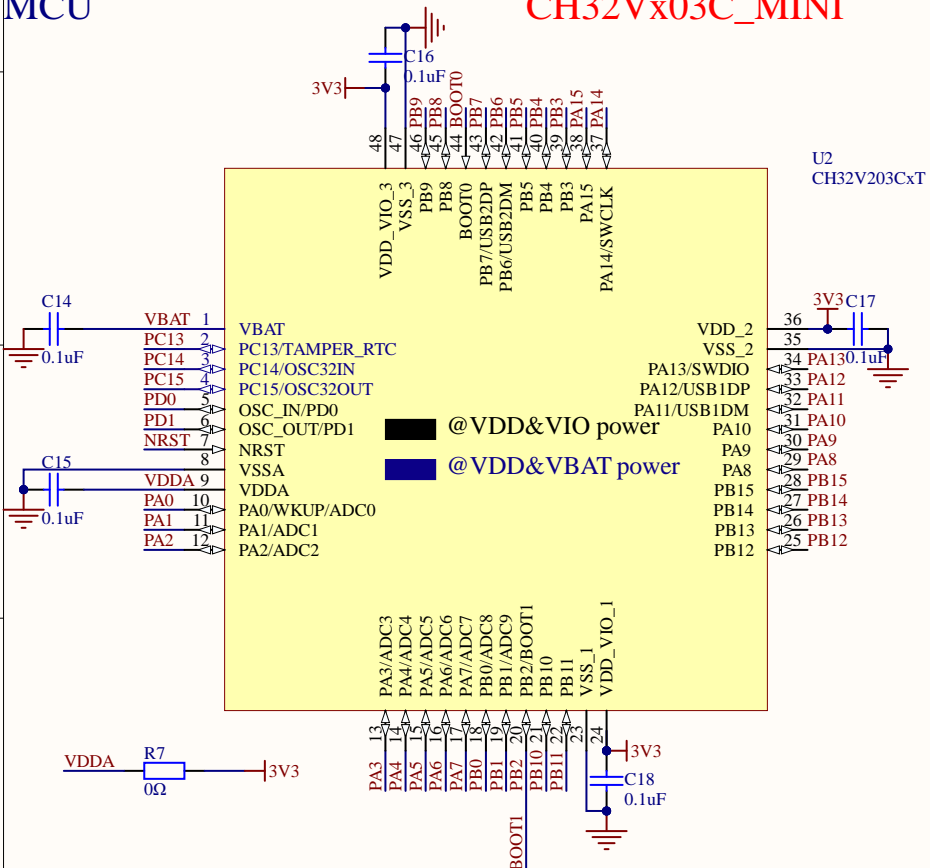


## USB

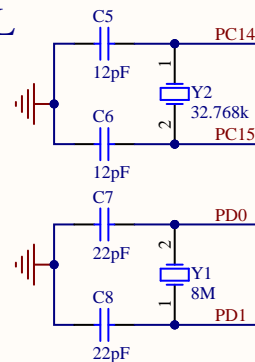


## MCU

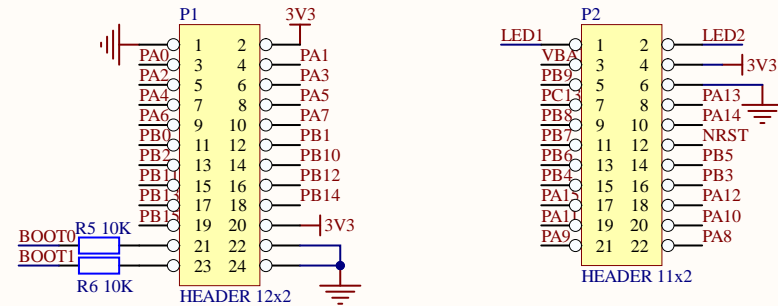
# CH32Vx03C MINI



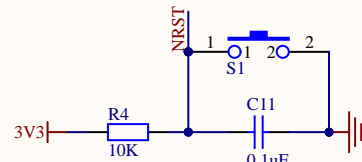
## XTAL



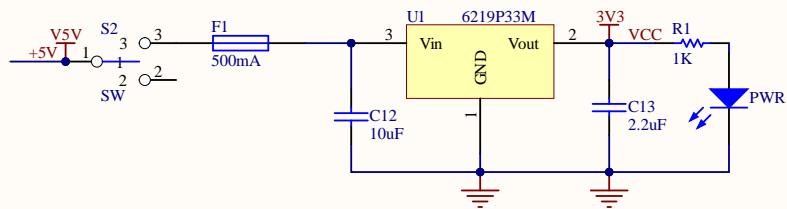
## PIN



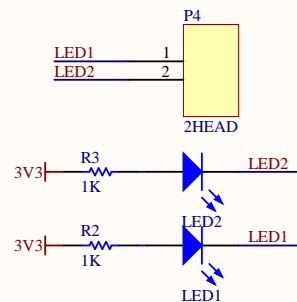
## RST



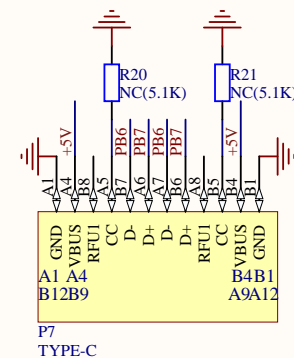
## POWER



## LED

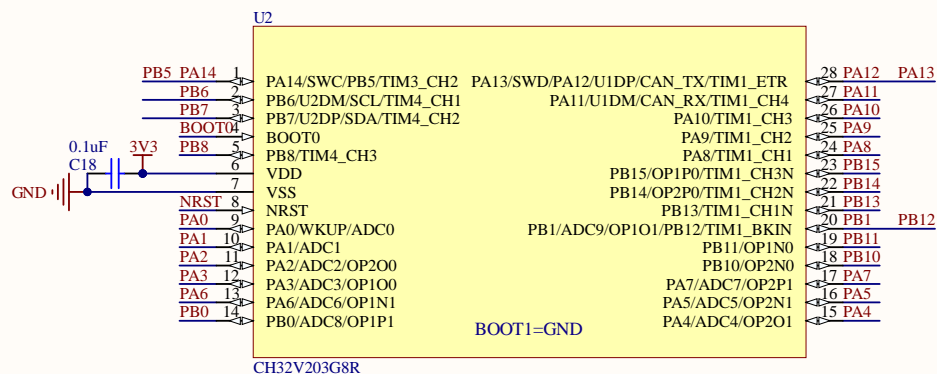


## USB

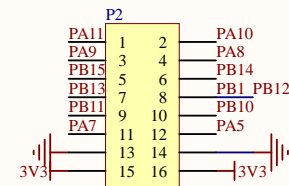
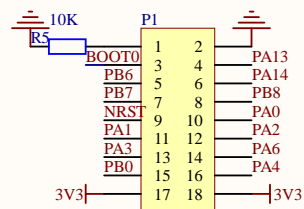


## MCU

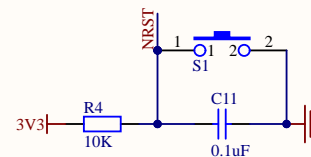
## CH32V203G8\_MINI

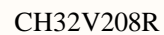
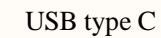


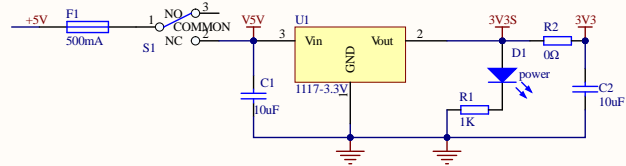
## PIN



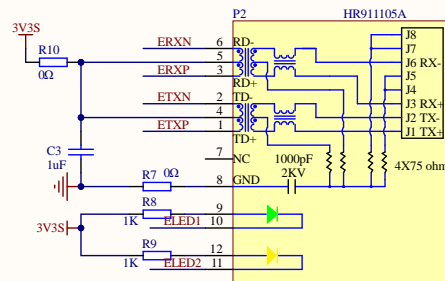
## RST



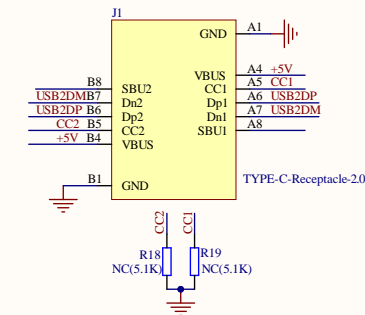




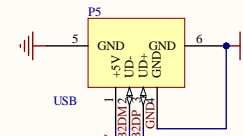
POWER



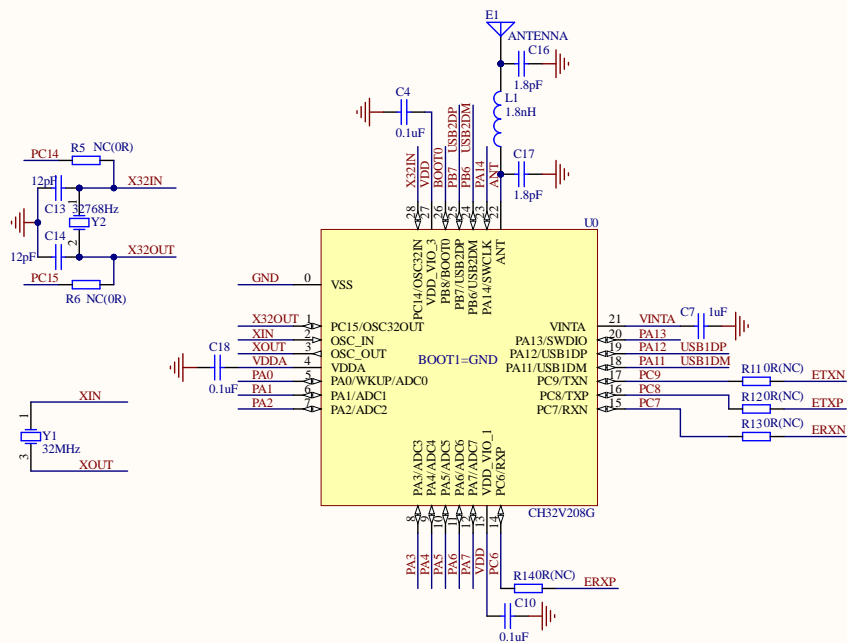
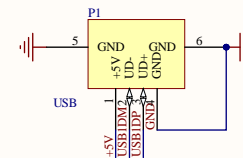
ETH



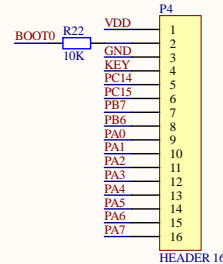
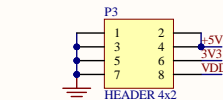
USB type C



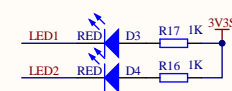
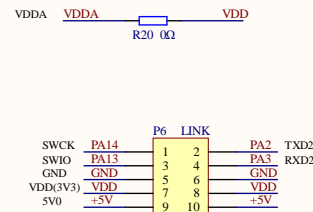
USB host type A



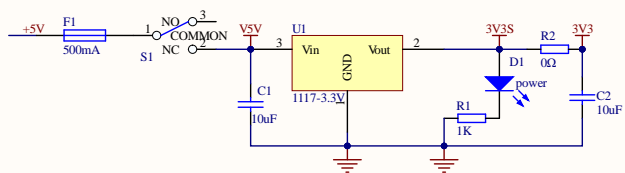
CH32V208R



HEADER



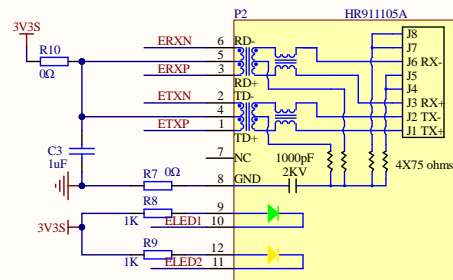
KEY



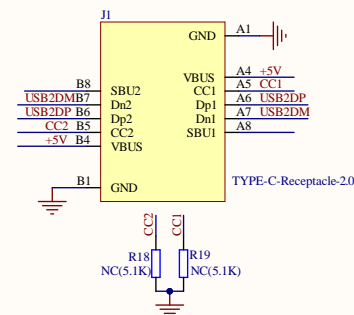
POWER



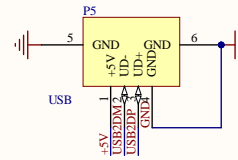
XTAL



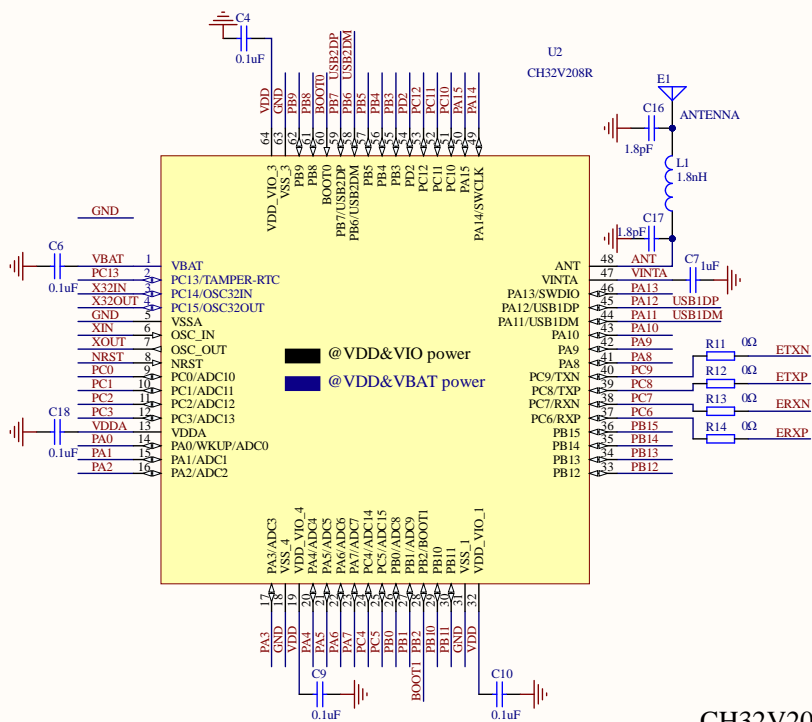
以太网



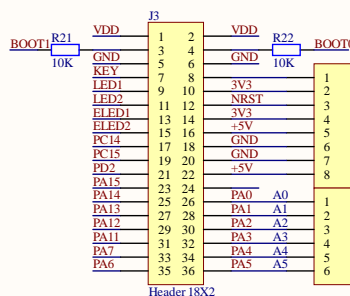
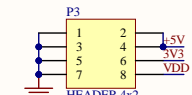
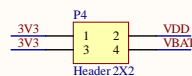
USB type C



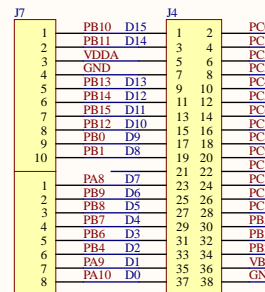
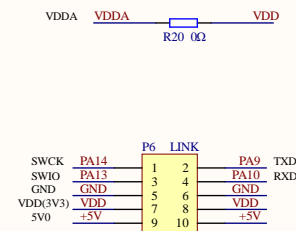
USB host type A



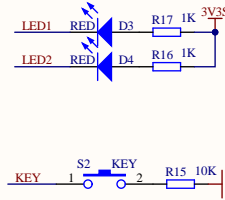
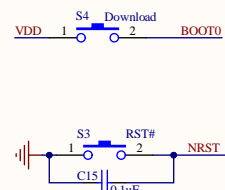
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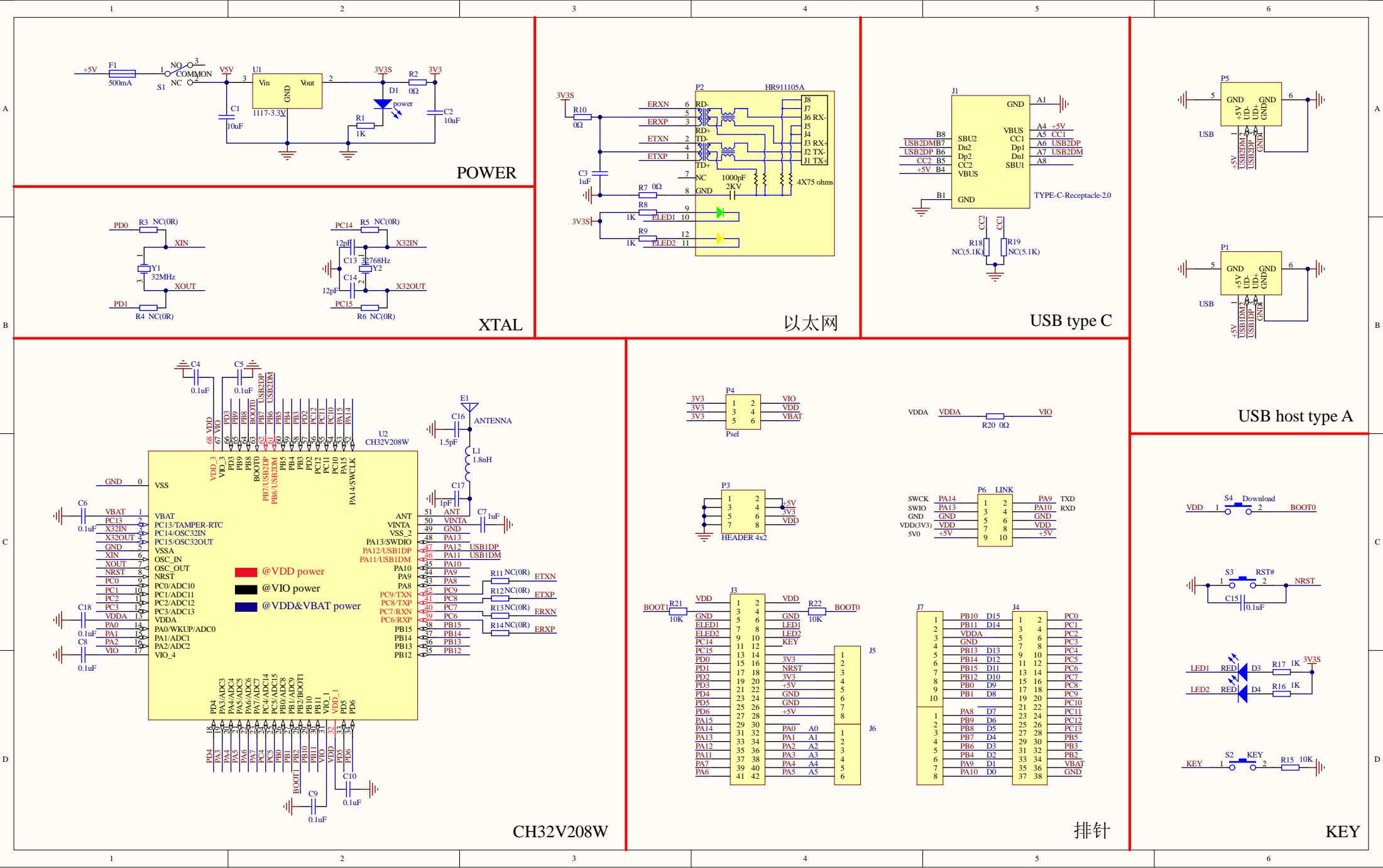
Header 18X2



排针



KEY



POWER

XTAL

以太网

USB type C

USB host type A

CH32V208W

排针

KEY

## A



## C



The figure shows two pin connection diagrams for USB Type-C ports. The left diagram is for P\_USB1 and the right is for P\_USB Type-C.

- P\_USB1:** A yellow rectangular connector with pins labeled GND, VBUS, RFLUT, CC, D+, D-, DP, DM, ID, SBU1, SBU2, RTN1, RTN2, and GND. Above the connector are four resistors: R20 (NC(5.1K)) between pins 7 and 8, R21 (NC(5.1K)) between pins 9 and 10, and R22 (NC(5.1K)) between pins 11 and 12. Ground symbols are shown at the top and bottom.
- P\_USB Type-C:** A yellow rectangular connector with pins labeled GND, VBUS, RFLUT, CC, D+, D-, DP, DM, ID, SBU1, SBU2, RTN1, RTN2, and GND. Above the connector are four resistors: R23 (NC(5.1K)) between pins 7 and 8, R24 (NC(5.1K)) between pins 9 and 10, and R25 (NC(5.1K)) between pins 11 and 12. Ground symbols are shown at the top and bottom.