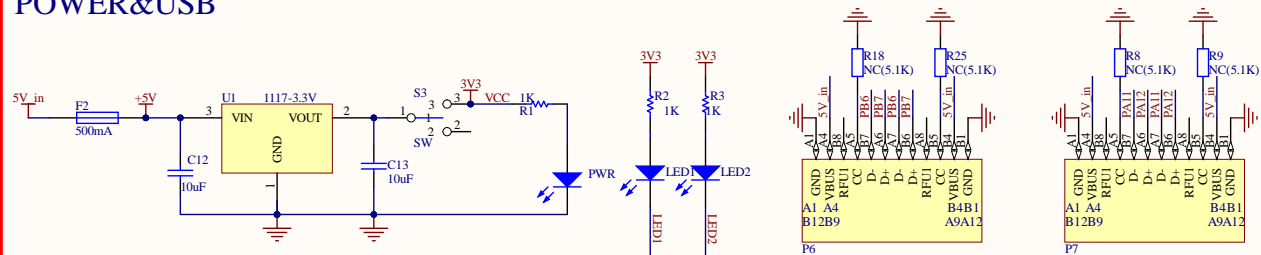
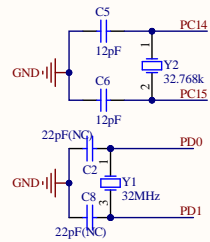


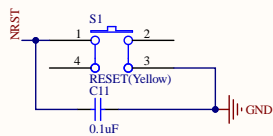
## POWER&amp;USB



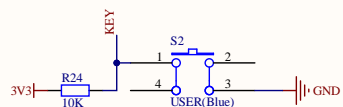
## XTAL



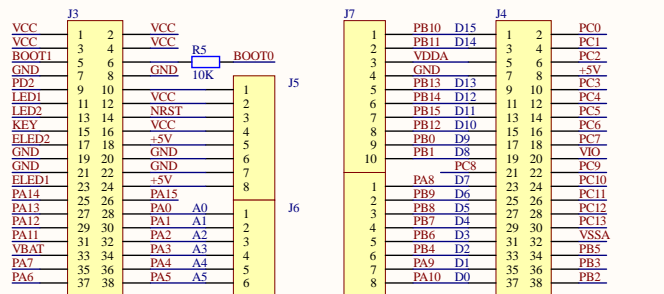
## RST



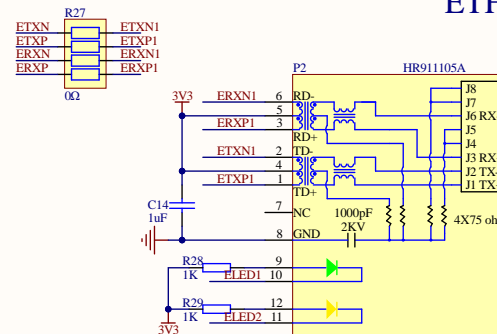
## KEY



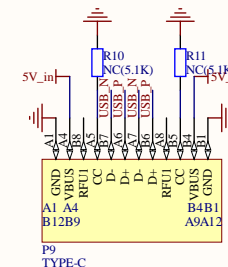
## ARDUINO



## ETH

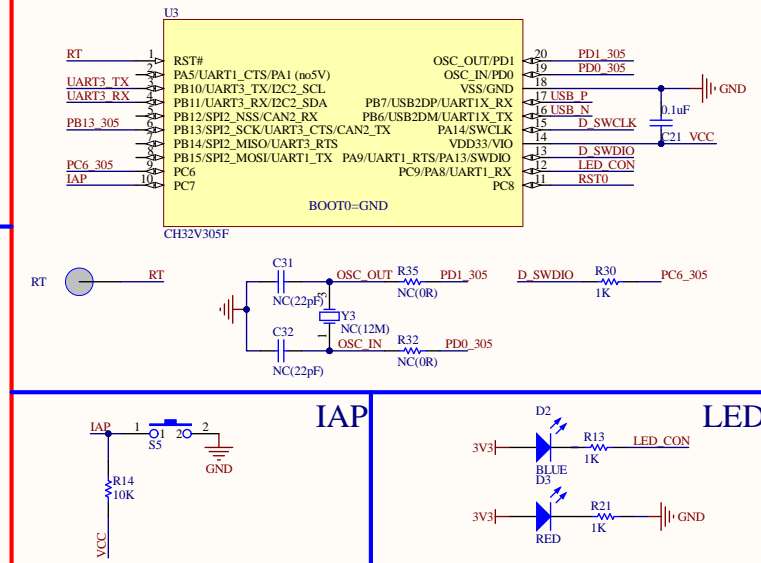


## POWER&amp;USB

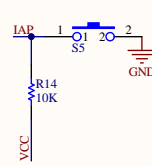


## WCH\_LinkE

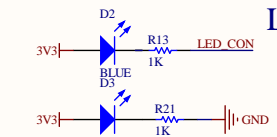
## MCU



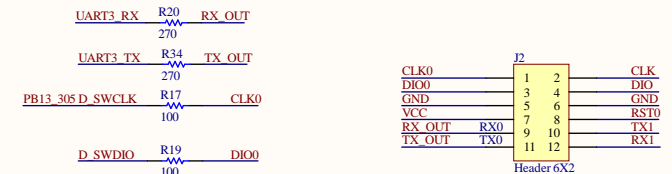
## IAP



## LED

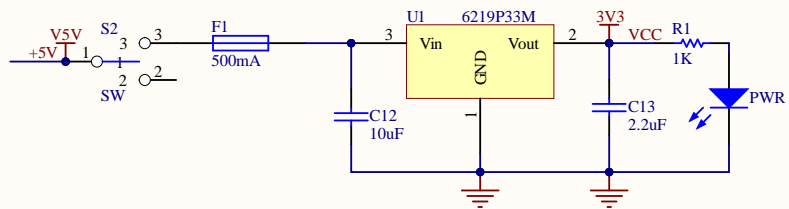


## SWD&amp;UART

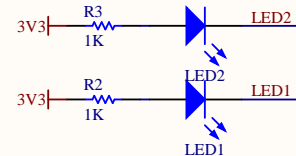


空闲时蓝灯常亮-ARM模式  
空闲时蓝灯常灭-RISC-V模式

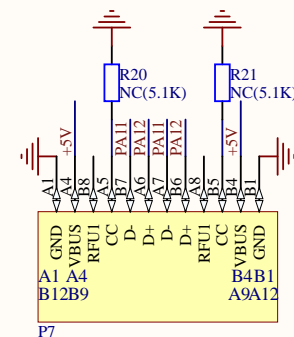
## POWER



## LED

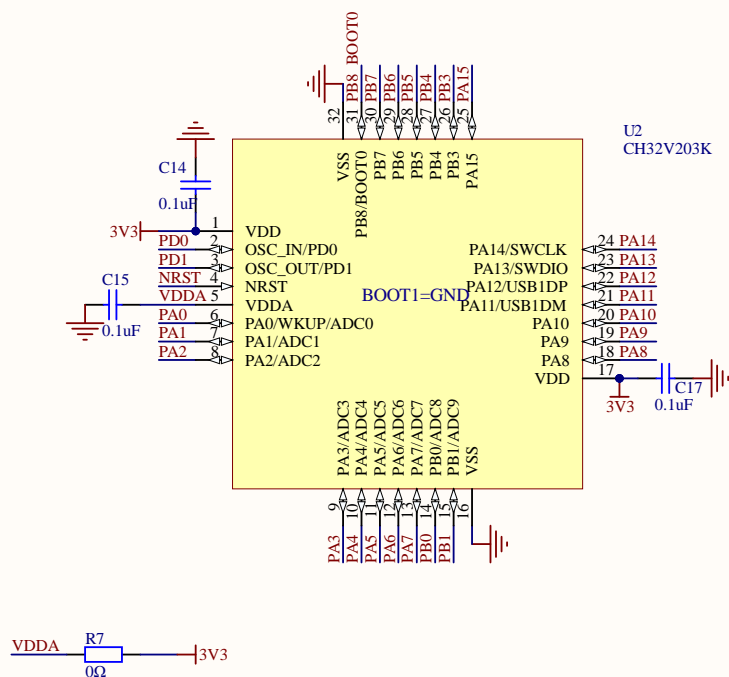


## USB

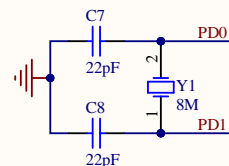


## MCU

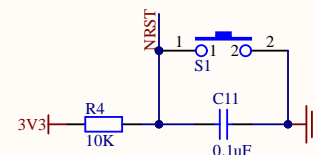
## CH32x203K



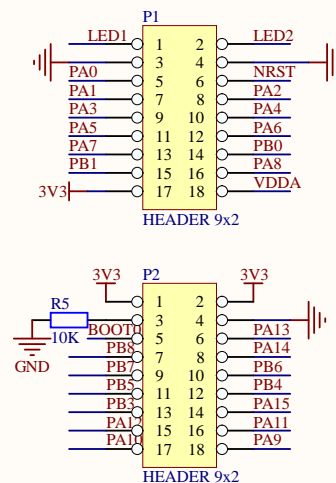
## XTAL



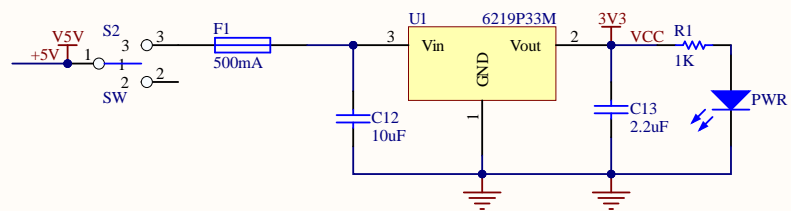
## RST



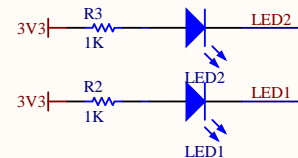
## PIN



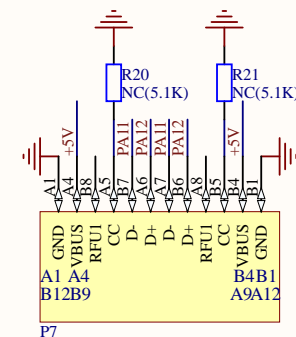
## POWER



## LED

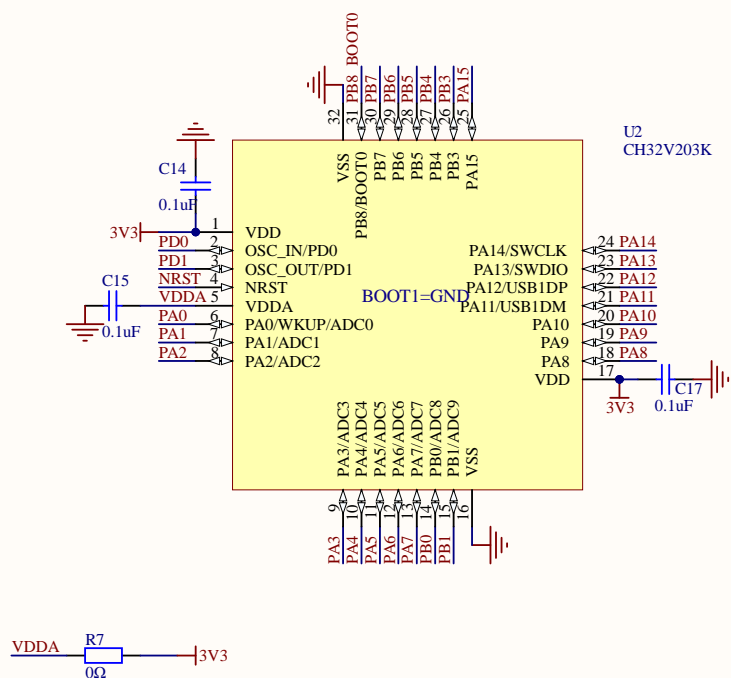


## USB

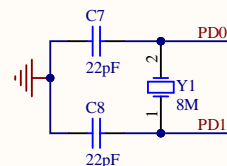


## MCU

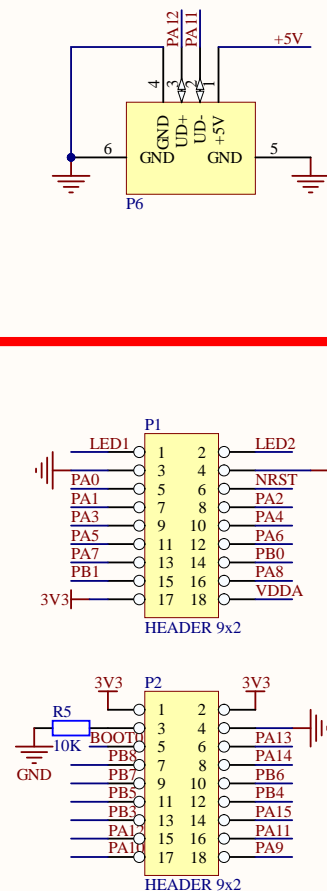
CH32x203K



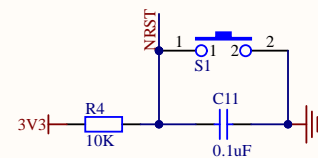
## XTAL



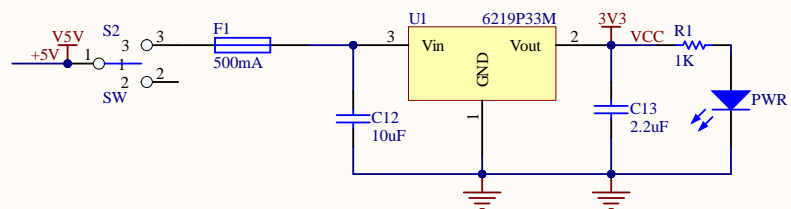
## PIN



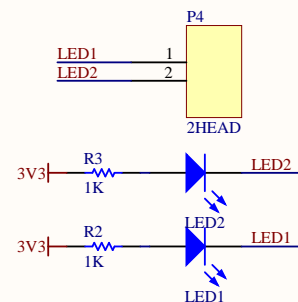
## RST



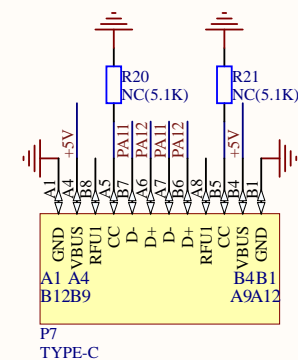
## POWER



## LED

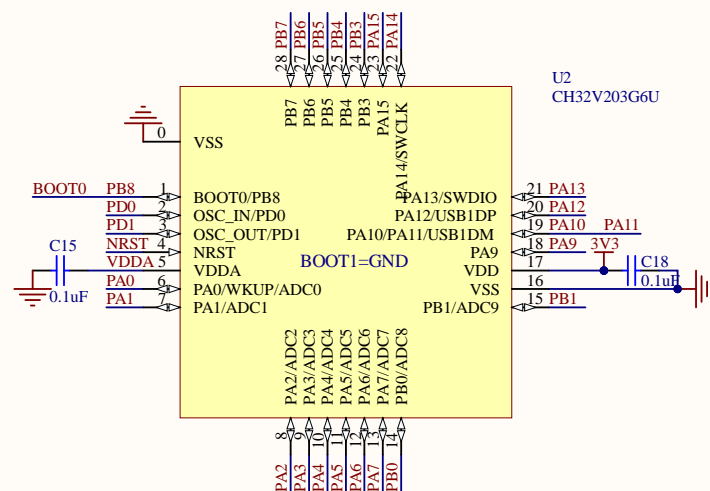


## USB

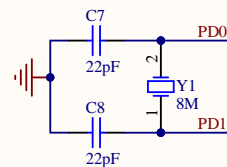


## MCU

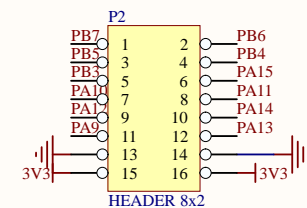
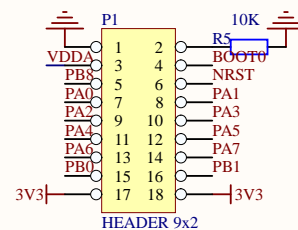
CH32V203G\_MINI



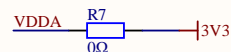
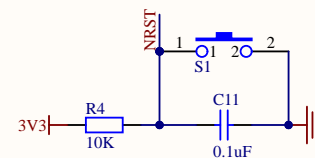
## XTAL



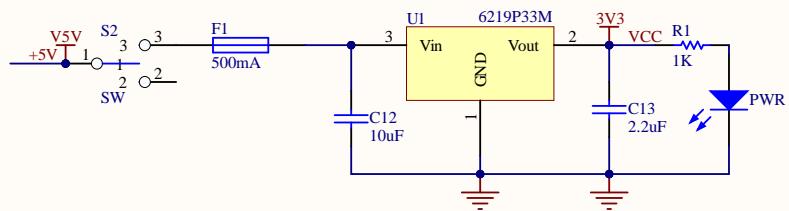
## PIN



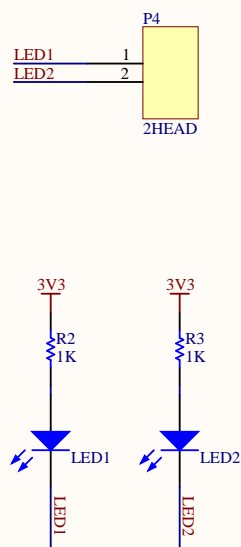
## RST



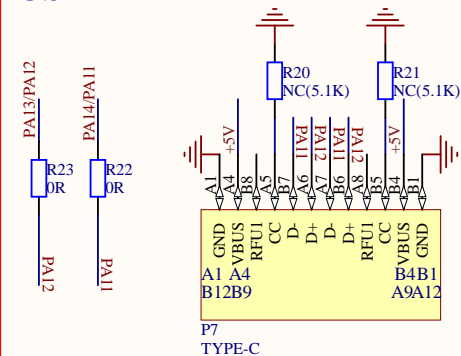
# POWER



# LED

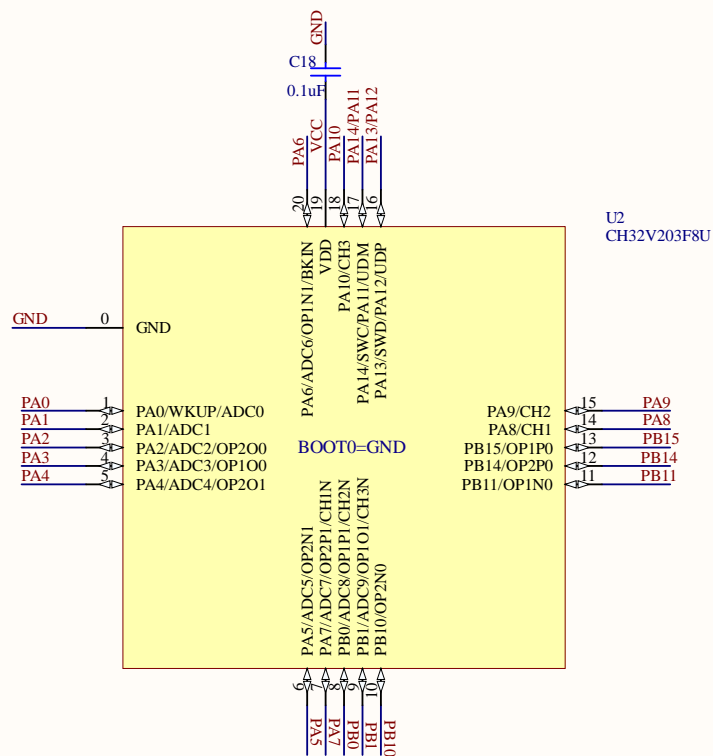


# USB

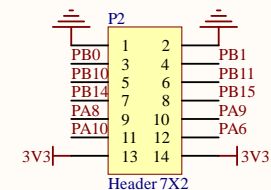
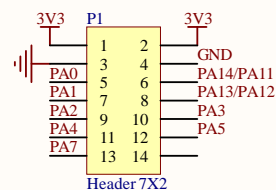


# MCU

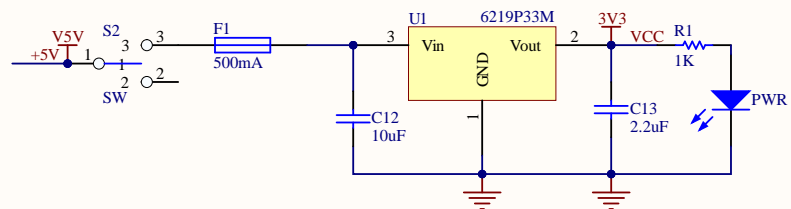
## CH32V203F8U\_MINI



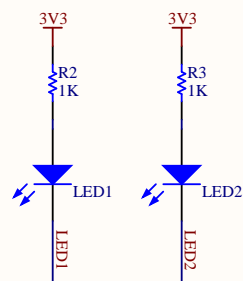
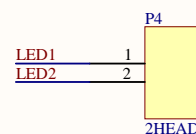
# PIN



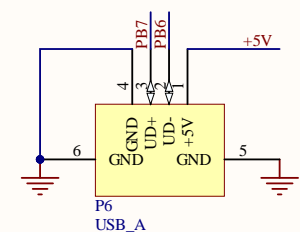
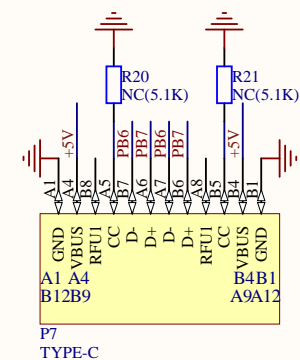
## POWER



## LED

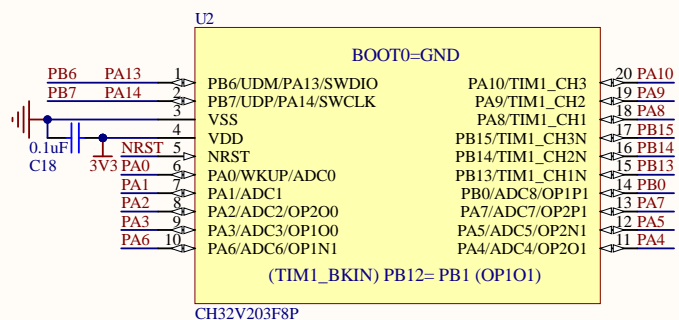


## USB

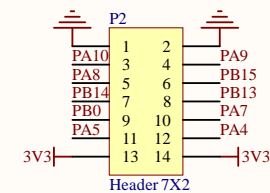
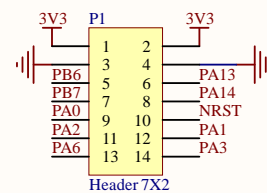


## MCU

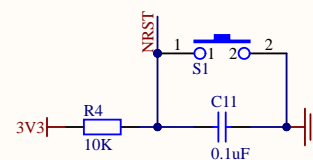
CH32V203F8\_MINI



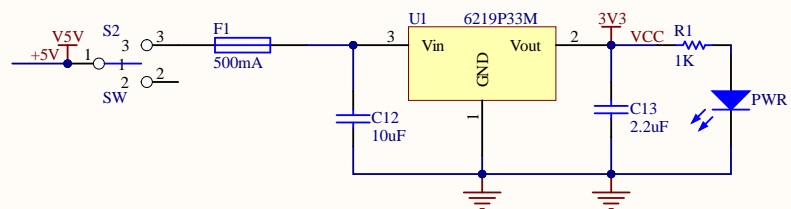
## PIN



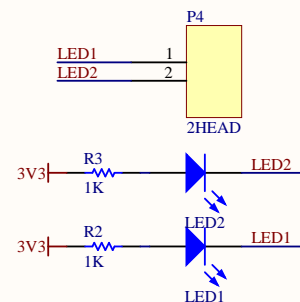
## RST



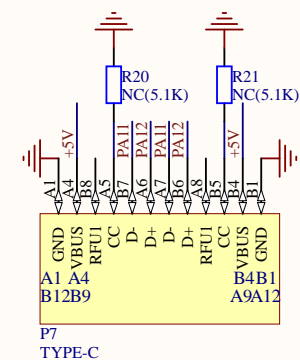
## POWER



## LED

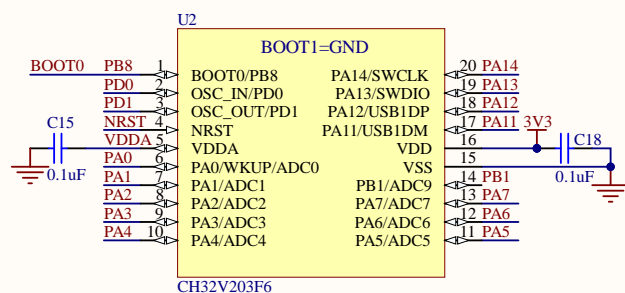


## USB

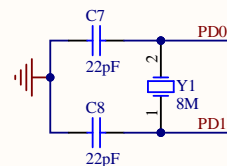


## MCU

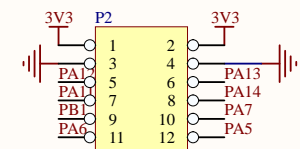
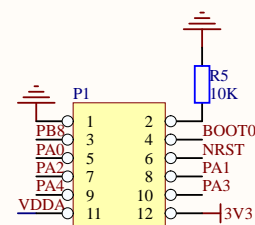
CH32V203F\_MINI



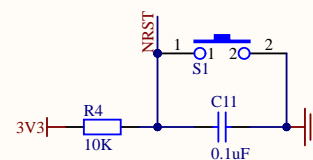
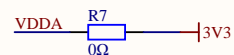
## XTAL



## PIN



## RST





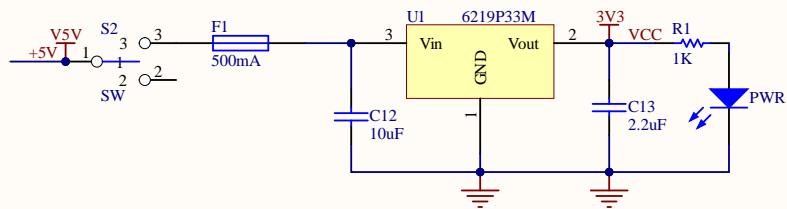


The diagram shows two pin headers, P1 and P2, with their respective pin connections. The P1 header is a 12x2 header with pins labeled PA0 through PA15 and PB0 through PB15. The P2 header is an 11x2 header with pins labeled VB, PB9, PC13, PB8, PB7, PB6, PB4, PA17, PA16, PA9, and PA8. The connections include a 3V3 supply, a 10K resistor (R5) to BOOT0, a 10K resistor (R6) to BOOT1, and a 3V3 supply to LED1 and LED2.

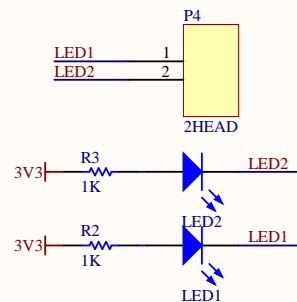
The diagram shows two pin headers, P1 and P2, with their respective pin connections. Header P1 is a 12x2 header with pins 1-24. Header P2 is an 11x2 header with pins 1-22. The connections are as follows:

- Header P1 (12x2):**
  - Pin 1: PA0
  - Pin 2: PA1
  - Pin 3: PA2
  - Pin 4: PA3
  - Pin 5: PA4
  - Pin 6: PA5
  - Pin 7: PA6
  - Pin 8: PA7
  - Pin 9: PB0
  - Pin 10: PB1
  - Pin 11: PB2
  - Pin 12: PB10
  - Pin 13: PB1
  - Pin 14: PB12
  - Pin 15: PB1
  - Pin 16: PB14
  - Pin 17: PB1
  - Pin 18: PB1
  - Pin 19: PB1
  - Pin 20: PB1
  - Pin 21: PB1
  - Pin 22: PB1
  - Pin 23: BOOT0
  - Pin 24: BOOT1
- Header P2 (11x2):**
  - Pin 1: LED1
  - Pin 2: LED2
  - Pin 3: VBA
  - Pin 4: PB9
  - Pin 5: PC13
  - Pin 6: PB8
  - Pin 7: PB7
  - Pin 8: PB11
  - Pin 9: PB12
  - Pin 10: PB6
  - Pin 11: PB4
  - Pin 12: PA1
  - Pin 13: PA1
  - Pin 14: PA1
  - Pin 15: PA1
  - Pin 16: PA1
  - Pin 17: PA1
  - Pin 18: PA1
  - Pin 19: PA1
  - Pin 20: PA1
  - Pin 21: PA1
  - Pin 22: PA1

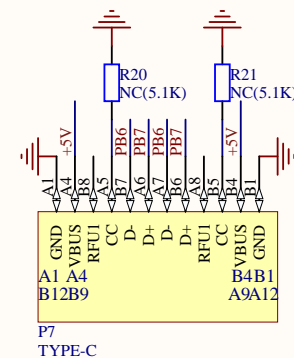
## POWER



## LED

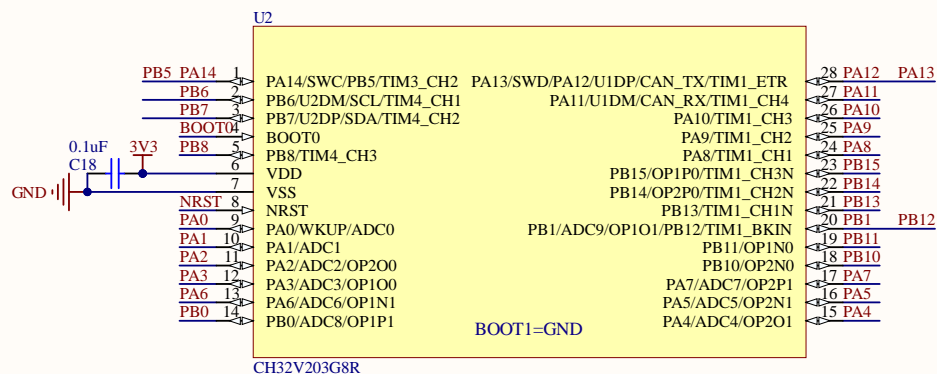


## USB

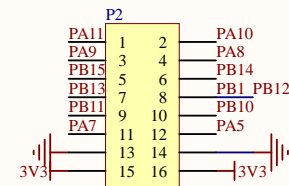
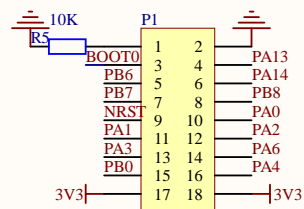


## MCU

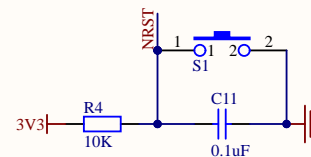
## CH32V203G8\_MINI

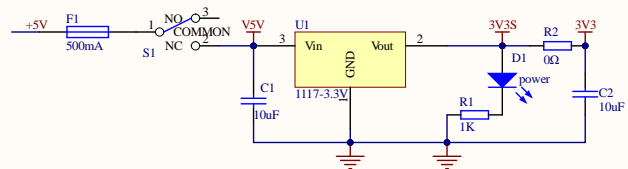


## PIN

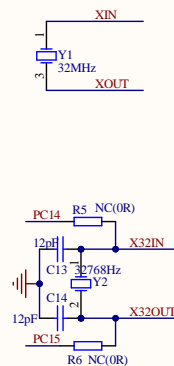


## RST

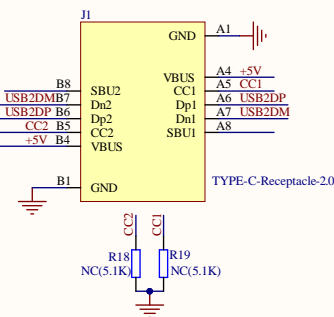




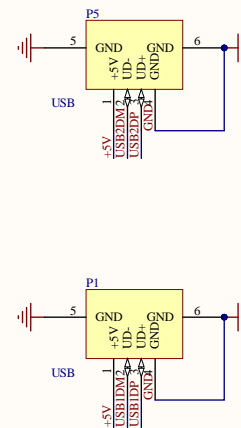
POWER



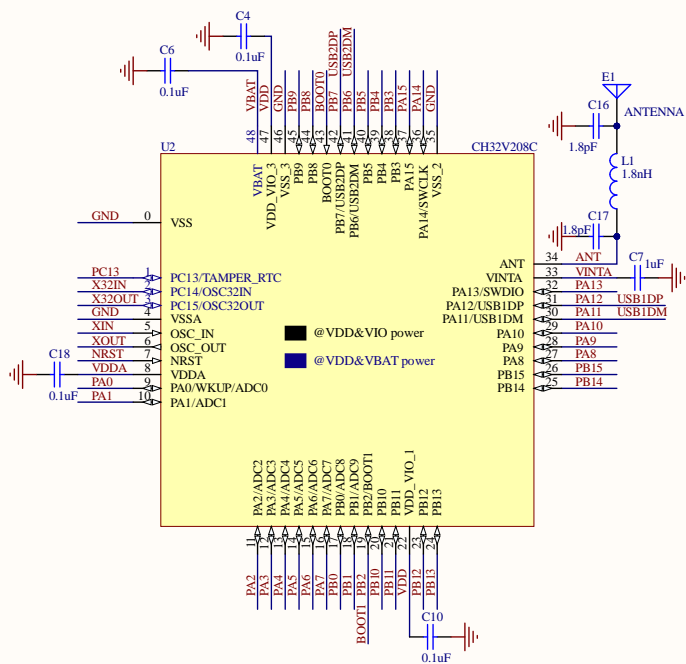
XTAL



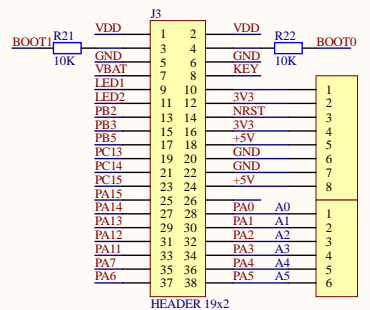
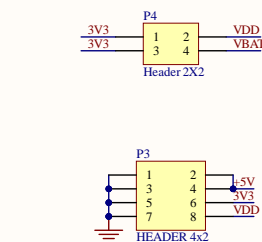
USB type C



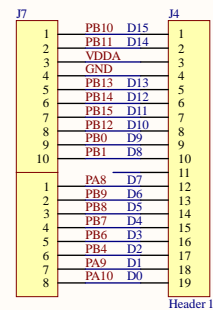
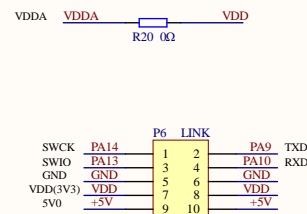
USB host type A



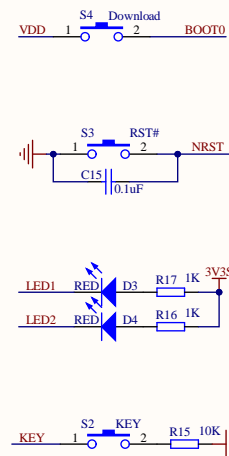
CH32V208C



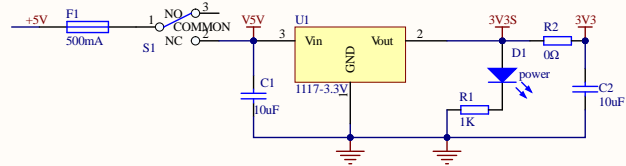
排针



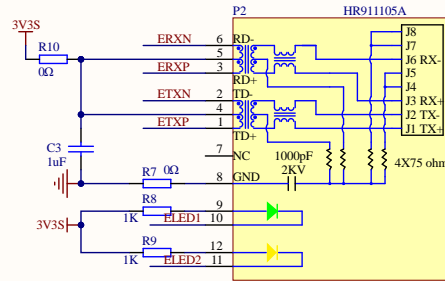
KEY



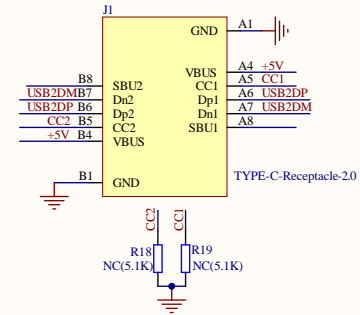
KEY



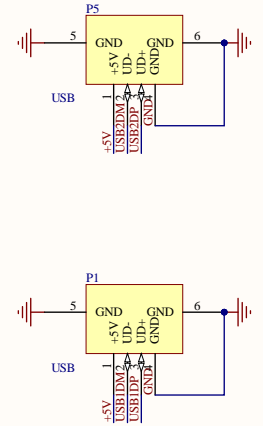
POWER



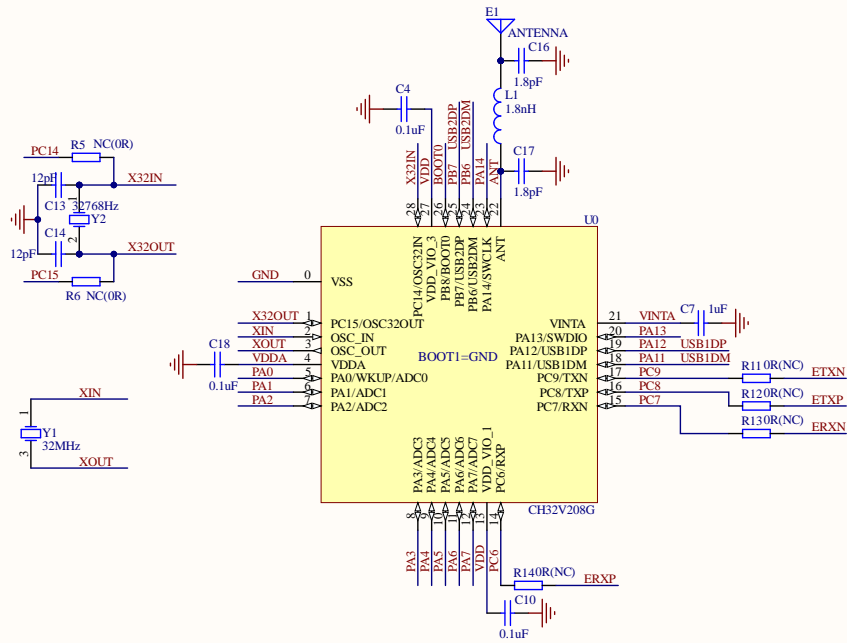
ETH



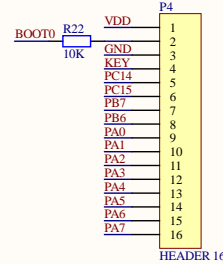
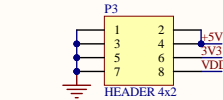
USB type C



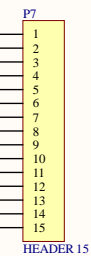
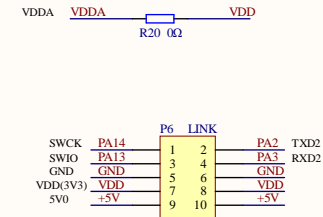
USB host type A



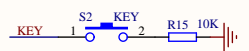
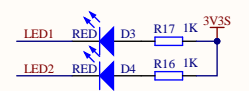
CH32V208G



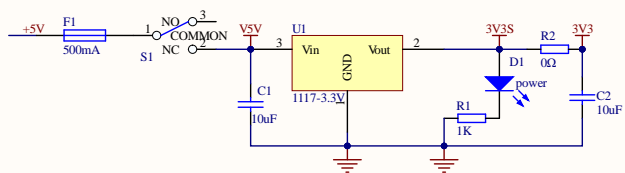
HEADER



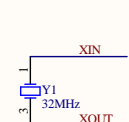
HEADER



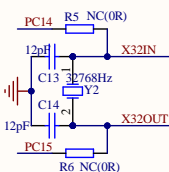
KEY



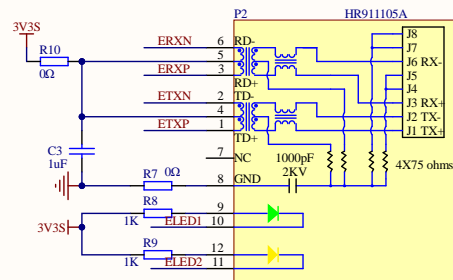
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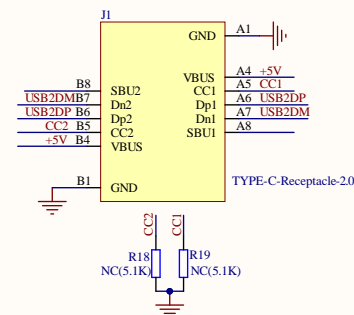
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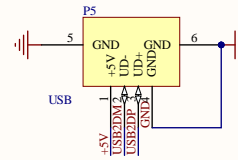
XTAL



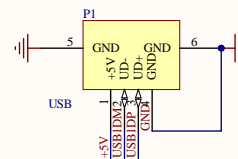
以太网



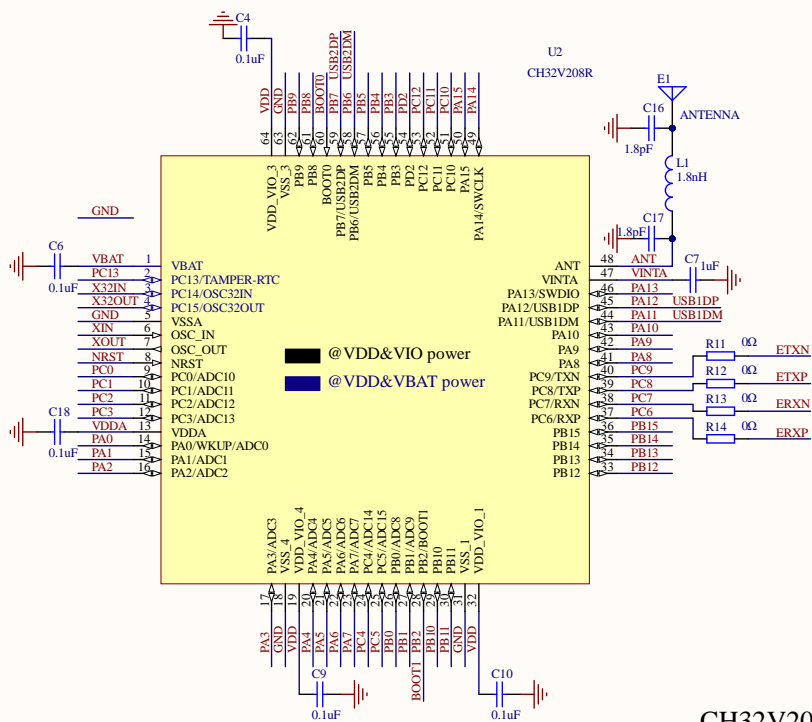
USB type C



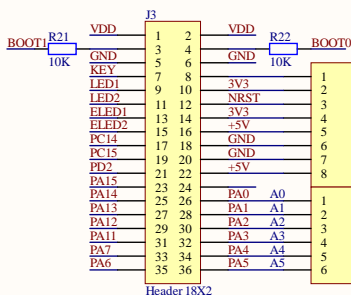
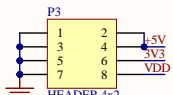
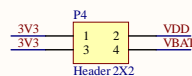
USB host type A



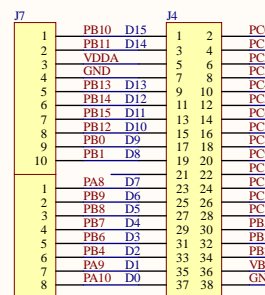
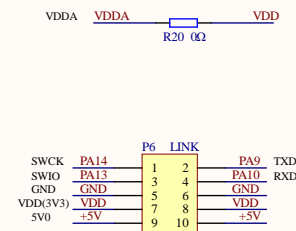
USB host type A



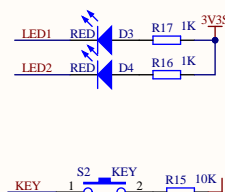
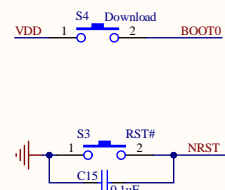
CH32V208R



Header 18X2

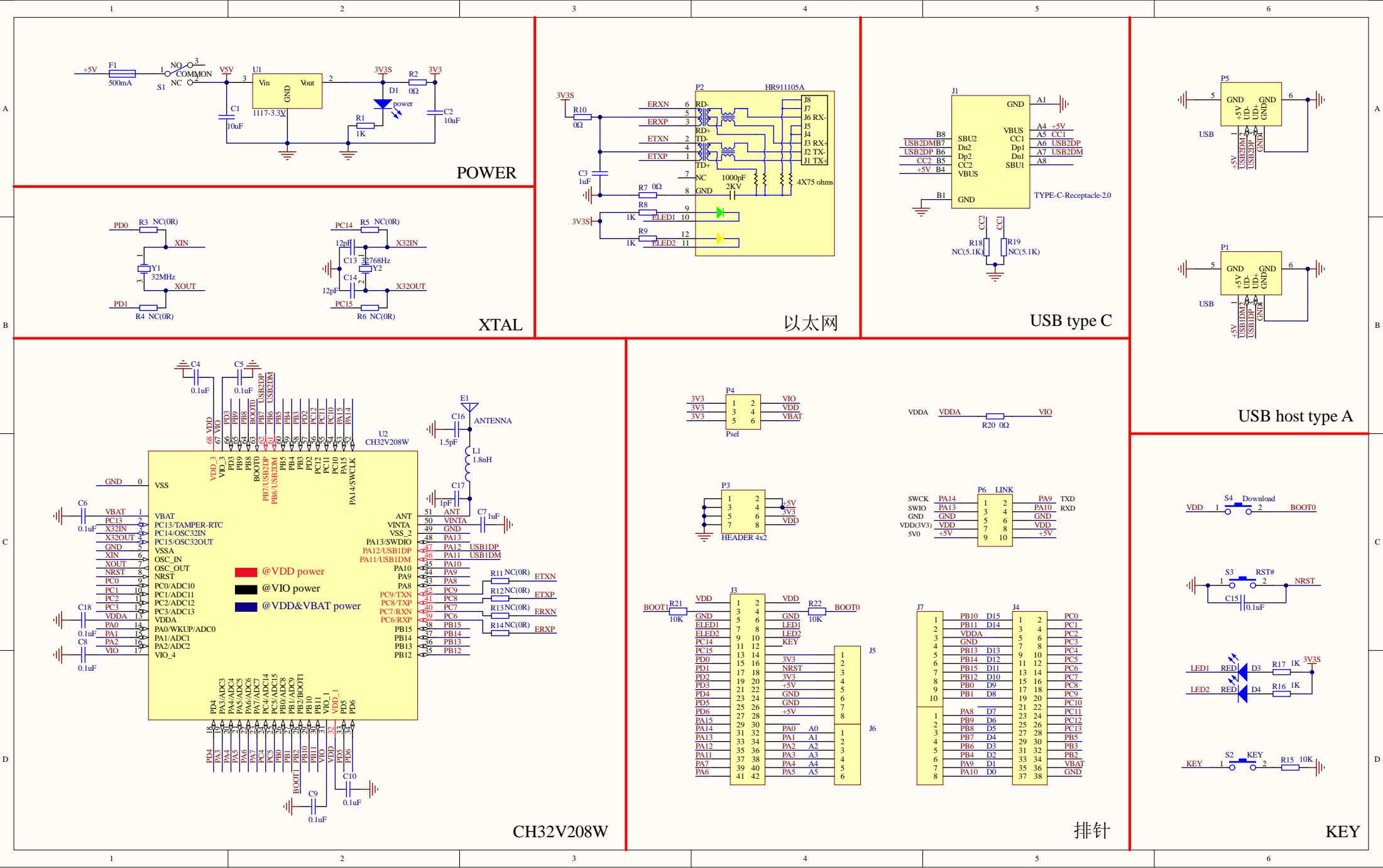


排针



KEY

KEY



POWER

XTAL

以太网

USB type C

USB host type A

CH32V208W

排针

KEY

## A



## C

[illegible]

CH340X

U5

UD+ 1 UD+ 2 UD- 3 UD- 4 GND 5 NRST 6

RXD 7 GND 8 TXD 9 RST# 10 VCC 11 CTS# 12 TNOV/DTR# 13

3V3 10 9 MCU\_TXD 8 MCU\_RXD 7 DTR 6

3V3 3V3

C21 0.1uF

CH340X

The figure contains two circuit diagrams. The top diagram is for a USB Type-C connector, showing pins A1, A4, B12B9, and B5B1. A 5V supply is connected to pin A1. Pins A4 and B12B9 are connected to GND. Pin B5B1 is connected to CC. A 5.1K resistor (R20) is connected between CC and GND. The bottom diagram is for a USB Type-B connector, showing pins A1, A4, B12B9, and B5B1. A 5V supply is connected to pin A1. Pins A4 and B12B9 are connected to GND. Pin B5B1 is connected to CC. A 5.1K resistor (R21) is connected between CC and GND. Both diagrams also show pins D+, D-, D+, and D- connected to RETU, and pins D+, D-, D+, and D- connected to RETU. A 5.1K resistor (R22) is connected between RETU and GND. A 5.1K resistor (R23) is connected between RETU and GND.