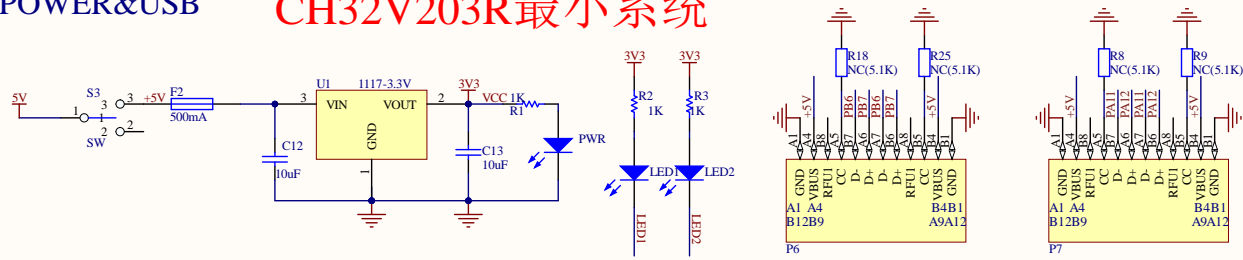


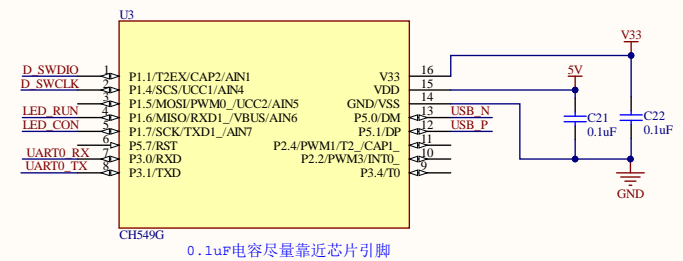
POWER&USB

CH32V203R最小系统

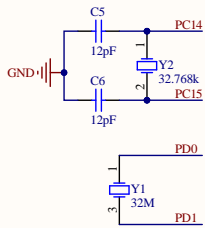


WCH_Link

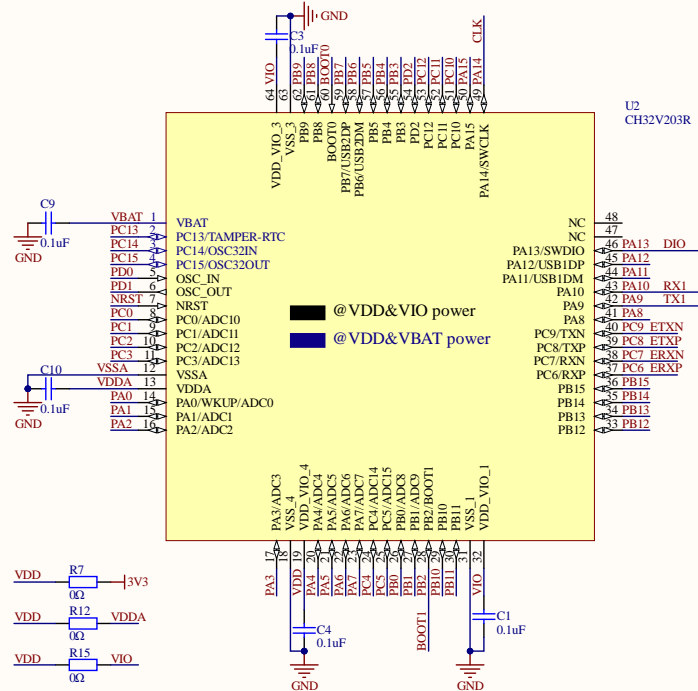
MCU



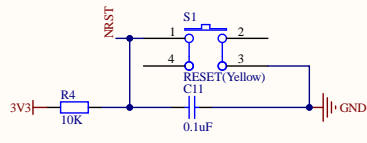
XTAL



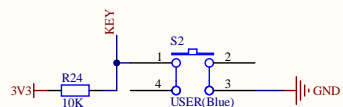
MCU



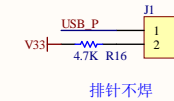
RST



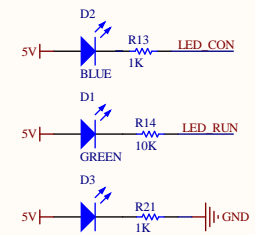
KEY



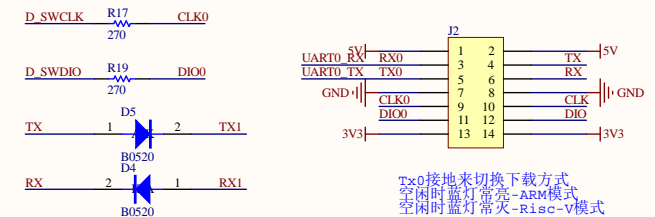
BOOT



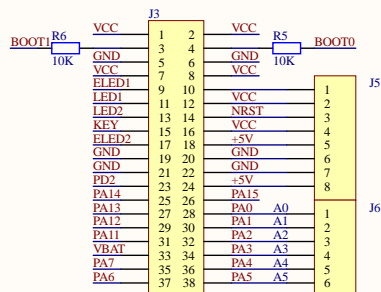
LED



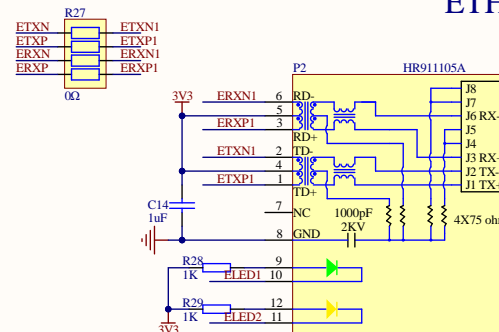
SWD&UART



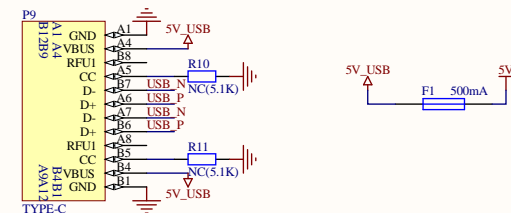
ARDUINO



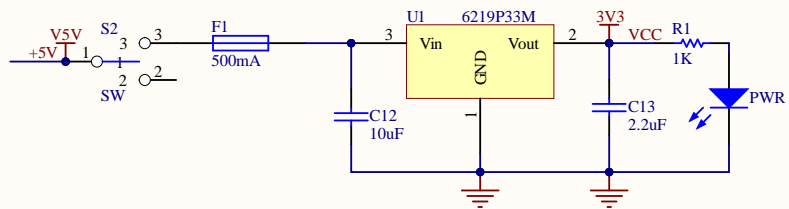
ETH



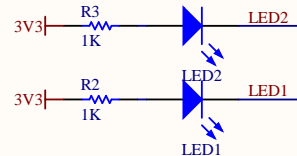
POWER&USB



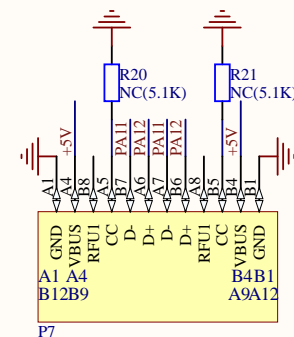
POWER



LED

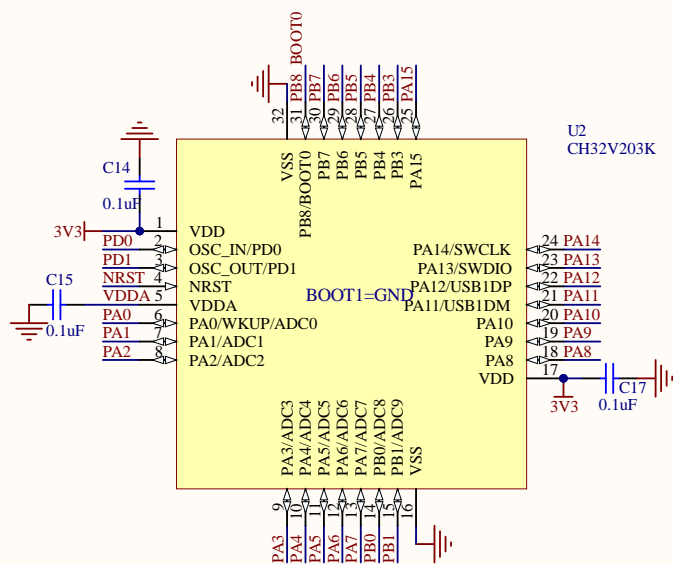


USB

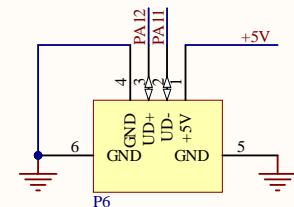
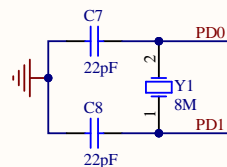


MCU

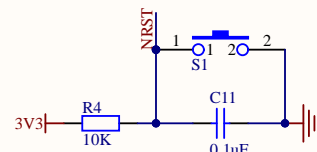
CH32x203K



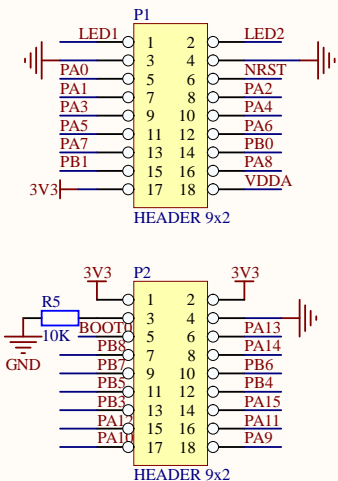
XTAL



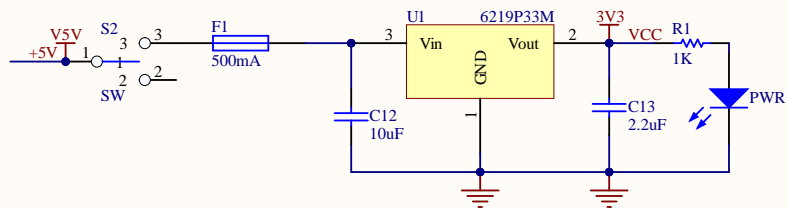
RST



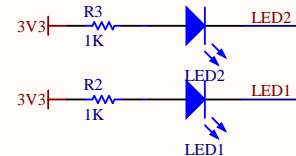
PIN



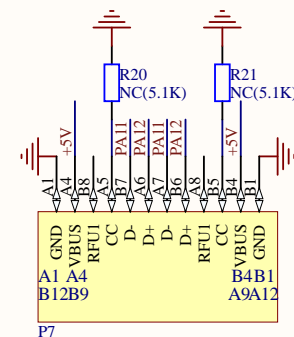
POWER



LED

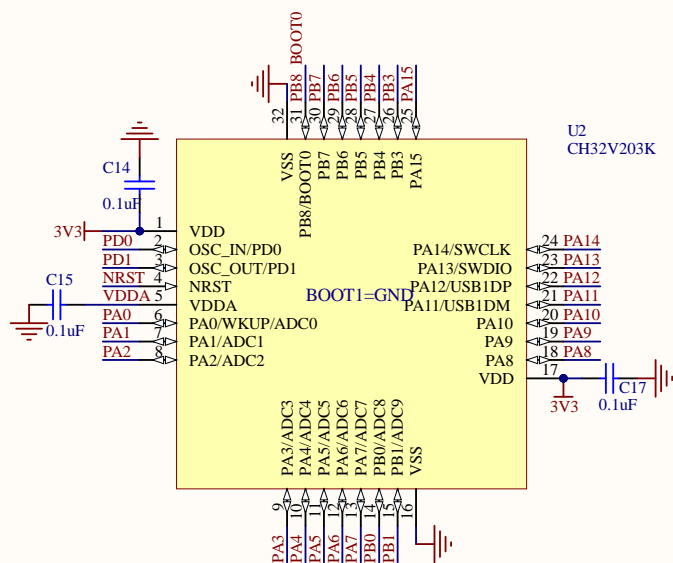


USB

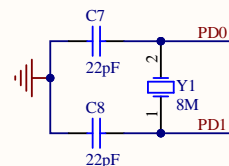


MCU

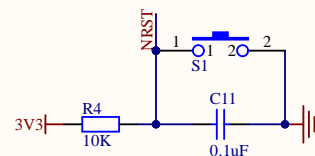
CH32x203K



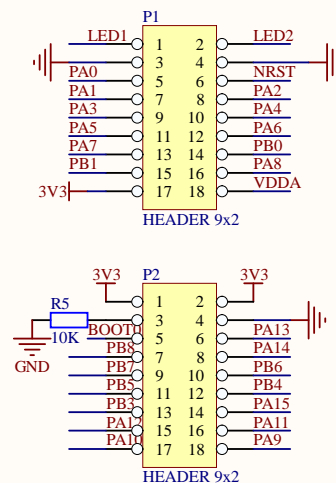
XTAL



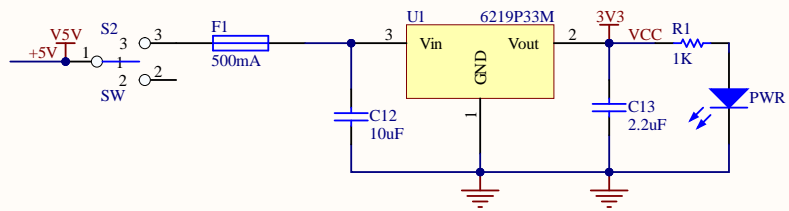
RST



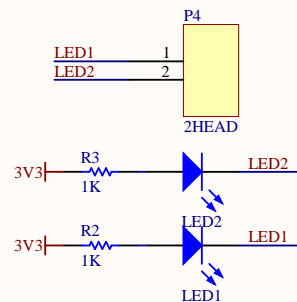
PIN



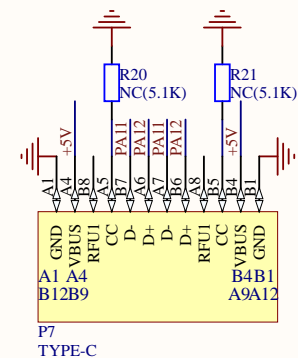
POWER



LED

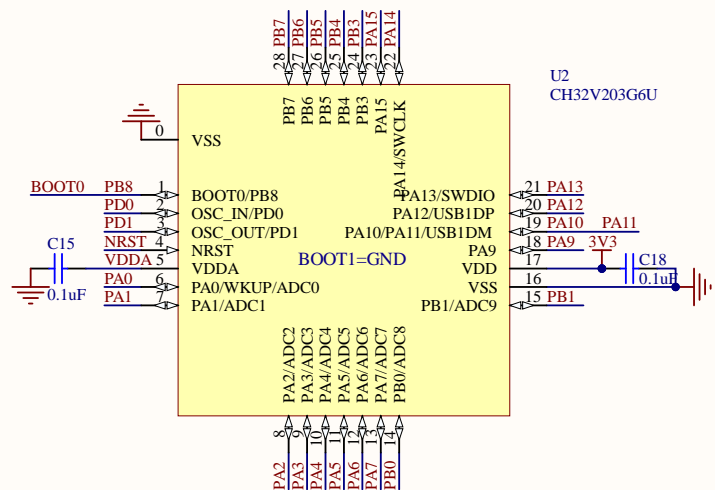


USB

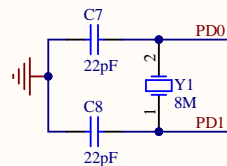


MCU

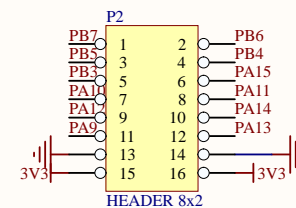
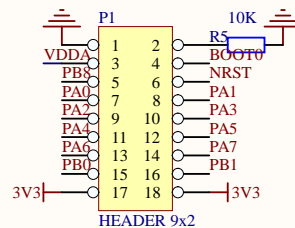
CH32V203G_MINI



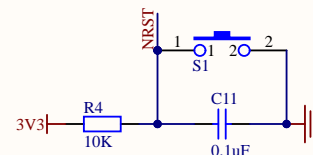
XTAL



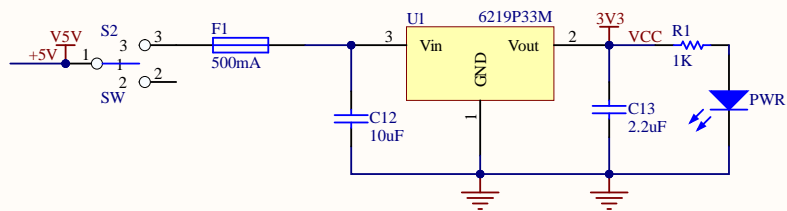
PIN



RST

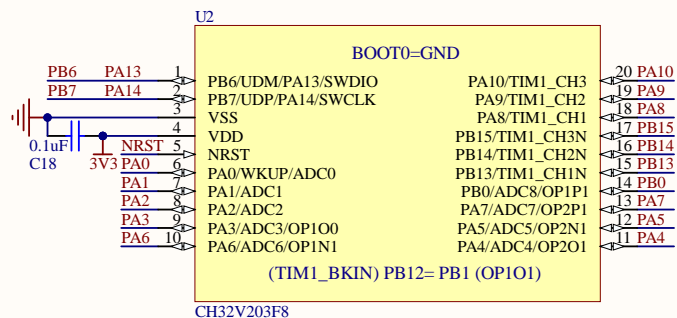


POWER

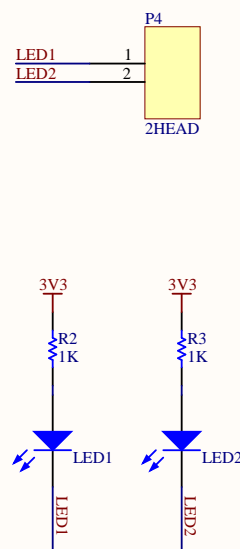


MCU

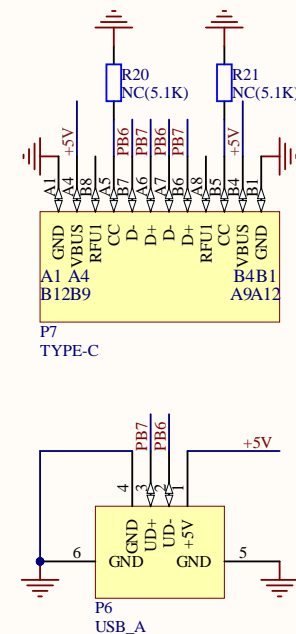
CH32V203F8_MINI



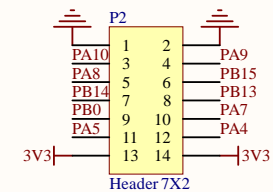
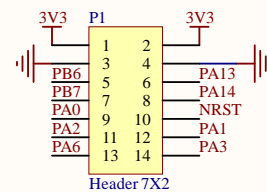
LED



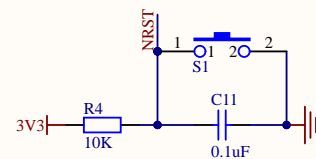
USB



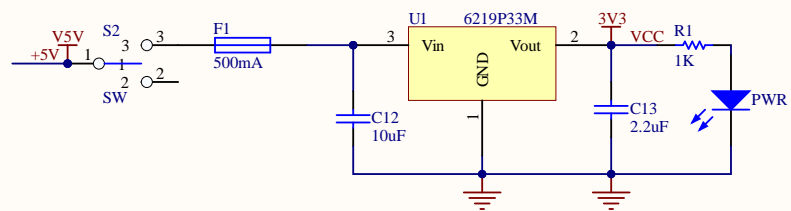
PIN



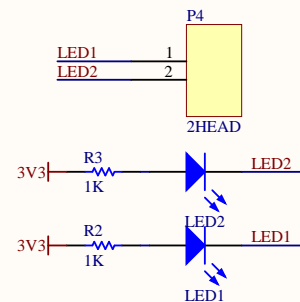
RST



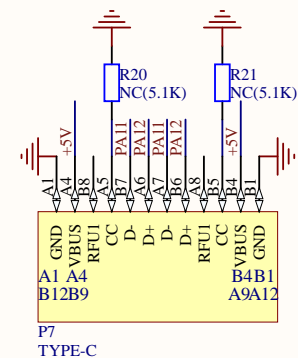
POWER



LED

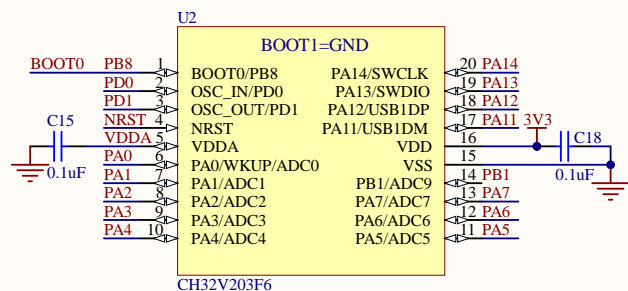


USB

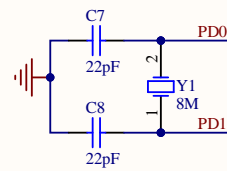


MCU

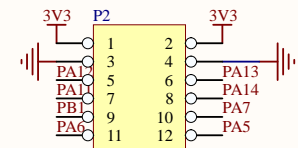
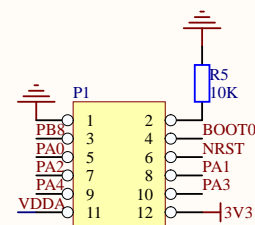
CH32V203F_MINI



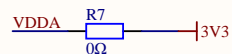
XTAL



PIN



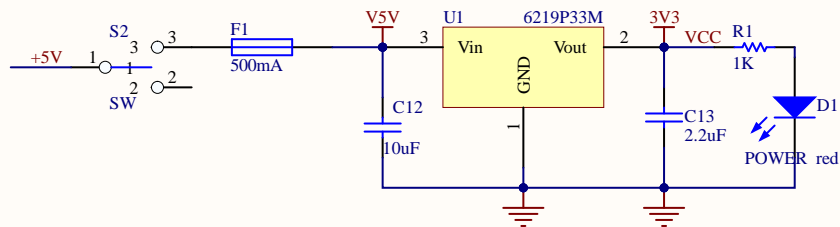
RST



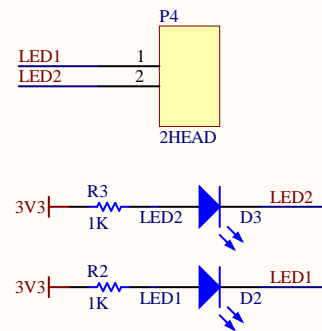
The schematic diagram illustrates the CH32Vx03C_MINI board, centered around the CH32V203CXT microcontroller (U2). The MCU is connected to various components and pins as follows:

- Power and Ground Connections:**
 - VDD_1:** Connected to pin 48 (VDD_VIO_3) and pin 47 (VSS_3).
 - VDD_2:** Connected to pin 36 (VDD_2) and pin 35 (VSS_2).
 - VDDA:** Connected to pin 9 (VDDA) and pin 10 (VSSA).
 - VBAT:** Connected to pin 1 (VBAT) and pin 2 (PC13/TAMPER_RTC).
- Capacitors:**
 - C14:** 0.1uF capacitor connected to VBAT and ground.
 - C15:** 0.1uF capacitor connected to VDDA and ground.
 - C16:** 0.1uF capacitor connected to VDD_1 and ground.
 - C17:** 0.1uF capacitor connected to VDD_2 and ground.
 - C18:** 0.1uF capacitor connected to VDD_1 and ground.
- Resistors:**
 - R7:** 0Ω resistor connected to VDDA and ground.
- Pin Connections:**
 - PA Pins:** PA0 (10), PA1 (11), PA2 (12), PA3 (13), PA4 (14), PA5 (15), PA6 (16), PA7 (17), PA8 (18), PA9 (19), PA10 (20), PA11 (21), PA12 (22), PA13 (23), PA14 (24).
 - PB Pins:** PB0 (25), PB1 (26), PB2 (27), PB3 (28), PB4 (29), PB5 (30), PB6 (31), PB7 (32), PB8 (33), PB9 (34), PB10 (35), PB11 (36), PB12 (37), PB13 (38), PB14 (39), PB15 (40), PB16 (41), PB17 (42), PB18 (43), PB19 (44), PB20 (45), PB21 (46), PB22 (47), PB23 (48).
 - Other Pins:** NRST (8), OSC_IN/PD0 (6), OSC_OUT/PD1 (7), BOOT0 (43), BOOT1 (24), VSS_1 (23), VSS_2 (35), VSS_3 (47).

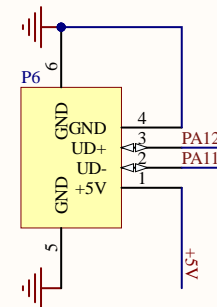
POWER



LED

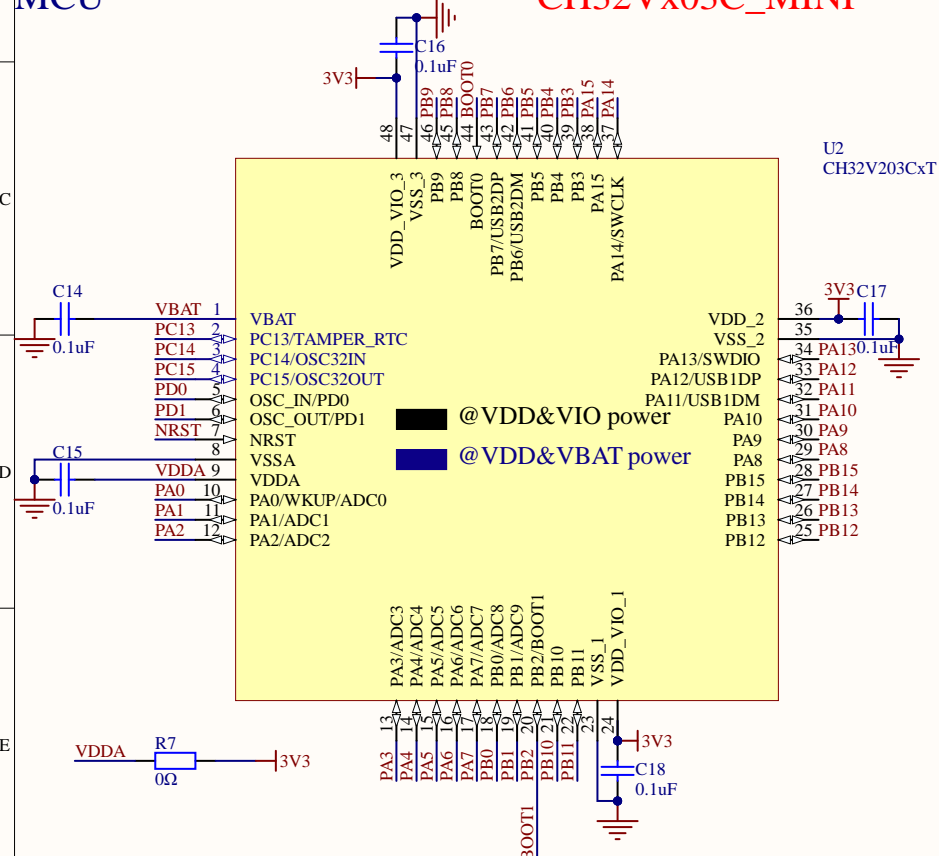


USB

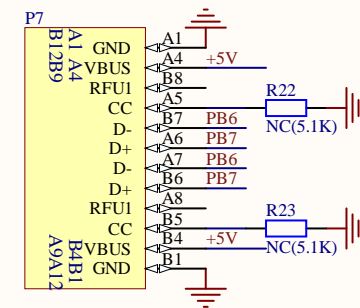
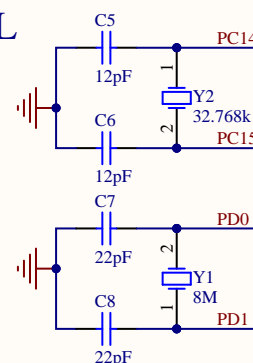


MCU

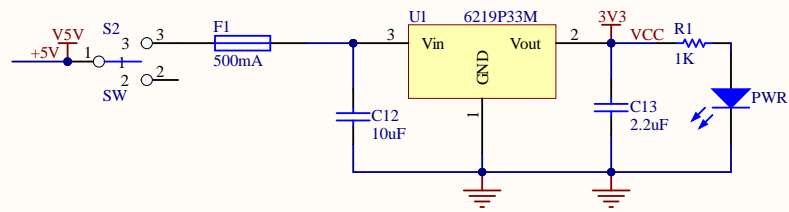
CH32Vx03C_MINI



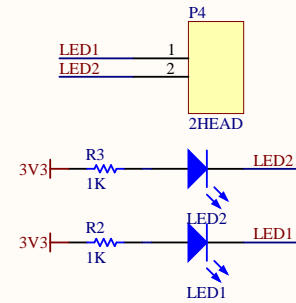
XTAL



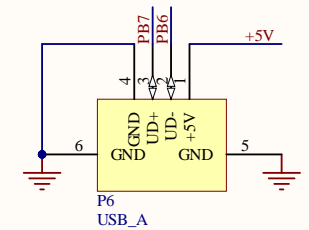
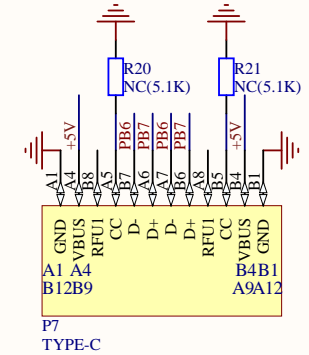
POWER



LED

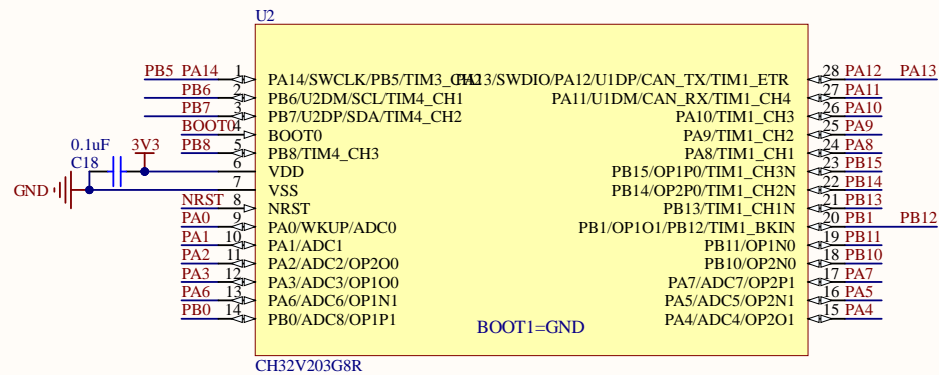


USB

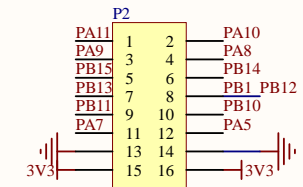
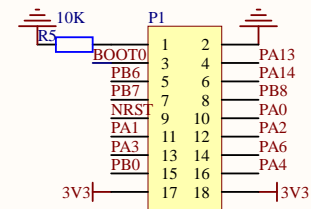


MCU

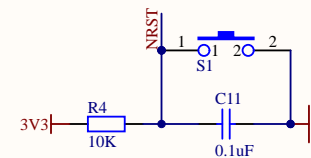
CH32V203G8_MINI

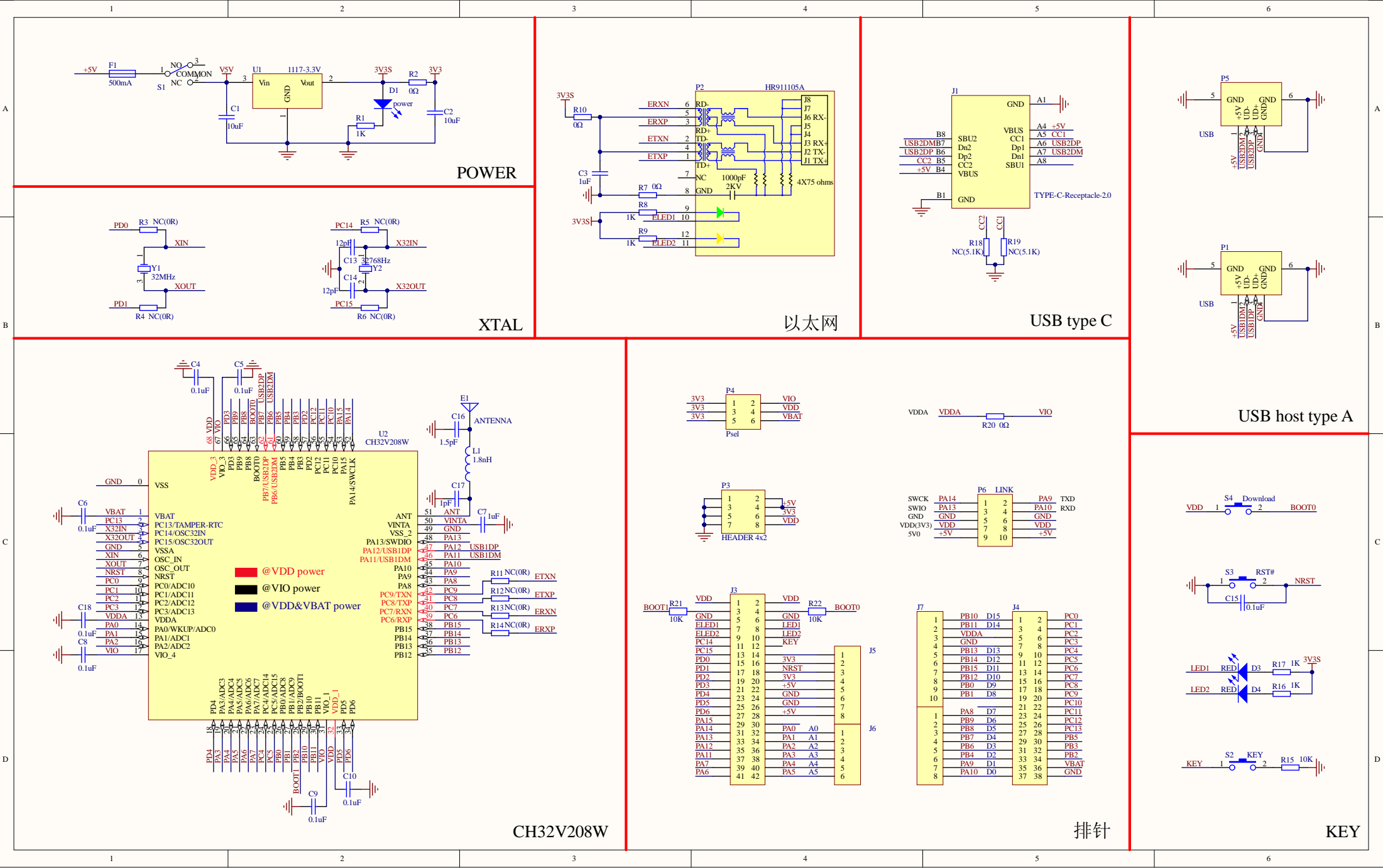


PIN



RST





POWER

XTAL

以太网

USB type C

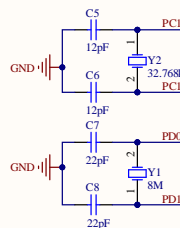
USB host type A

CH32V208W

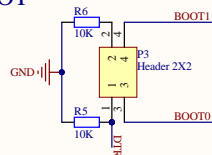
排针

KEY

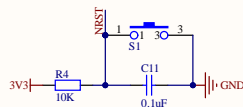
XTAL



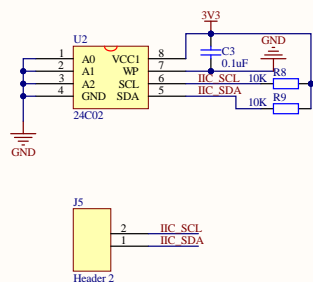
BOOT



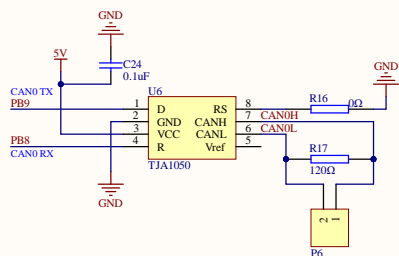
RST



EEPROM

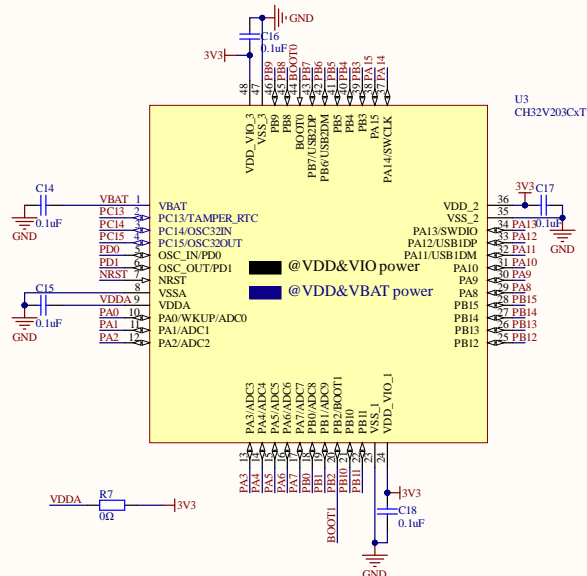


CAN

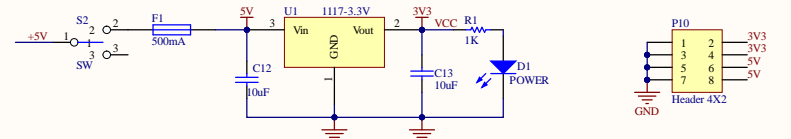


CH32V203C_EVT

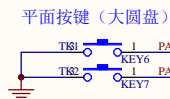
MCU



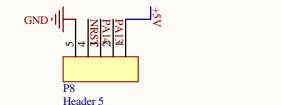
POWER



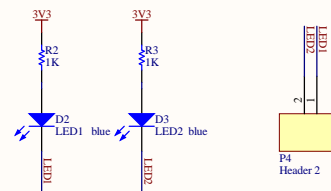
TOUCHKEY



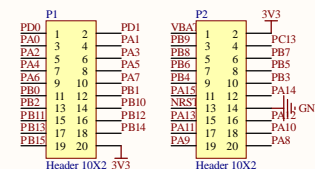
SWD



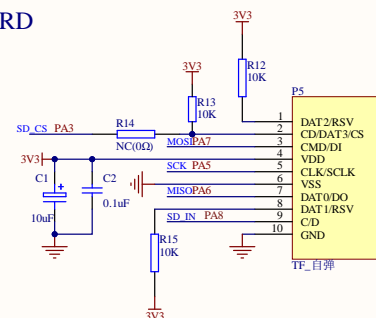
LED



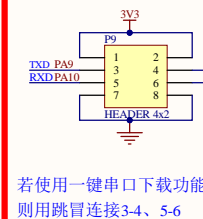
PIN



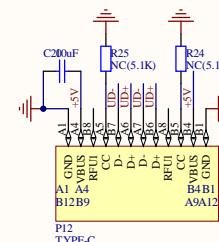
TF CARD



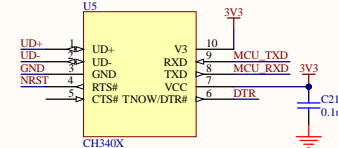
UART



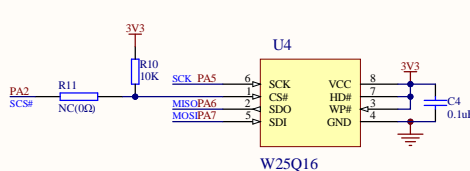
USB



CH340X



SPI FLASH



USB

