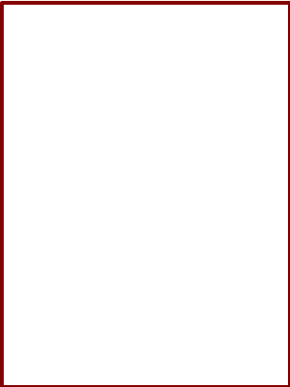


01 Descriptions



文件: 01 Descriptions.kicad_sch

02 Block Diagram



文件: 02 Block Diagram.kicad_sch

03 Power



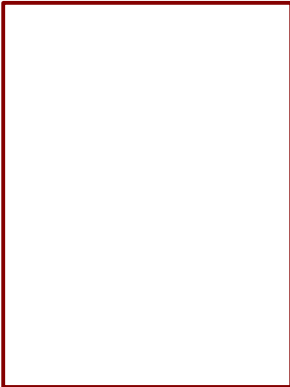
文件: 03 Power.kicad_sch

04 XIAO Header&STM32C5



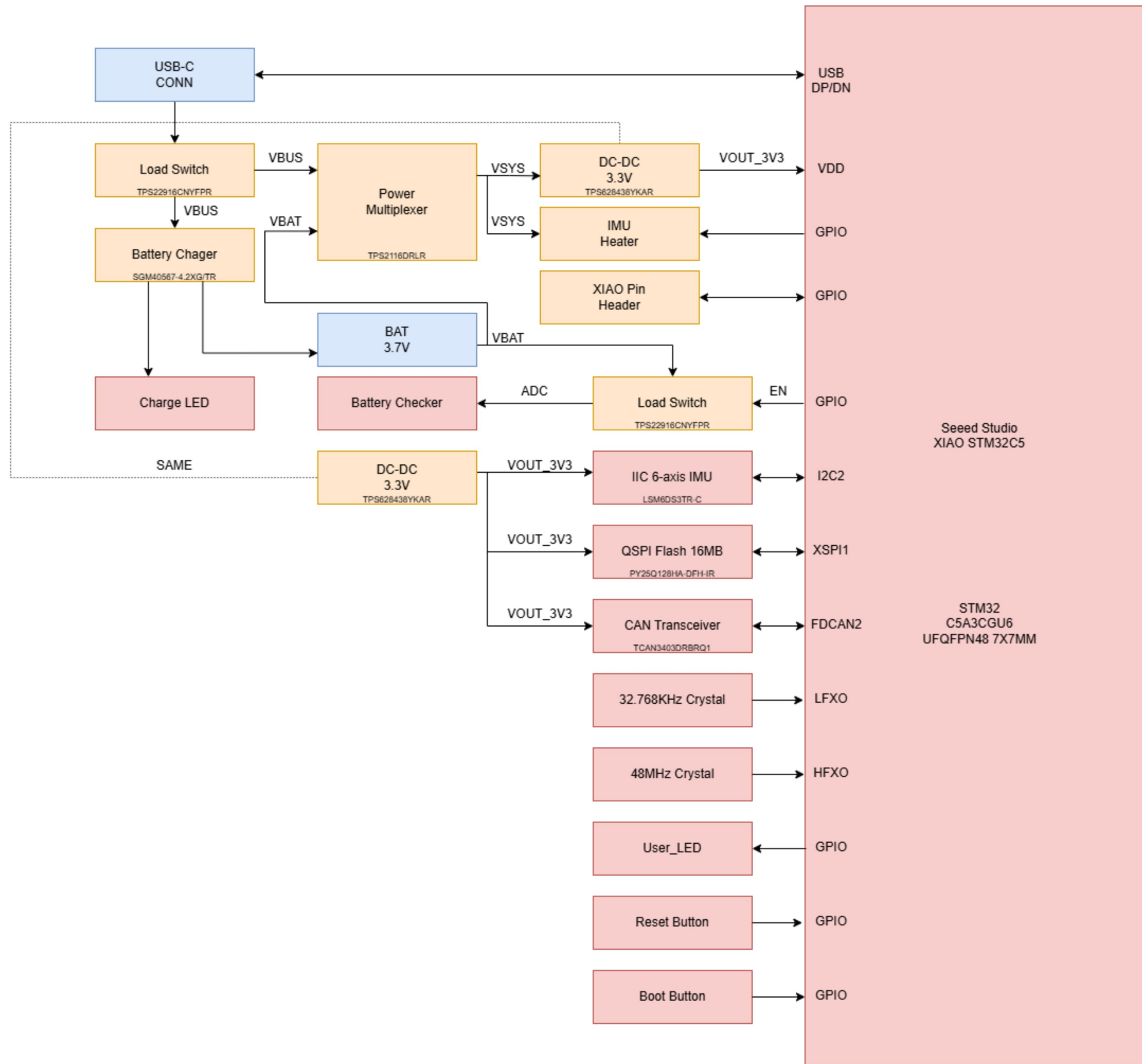
文件: 04 XIAO Header&STM32C5.kicad_sch

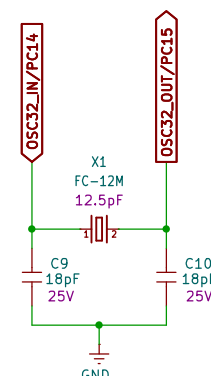
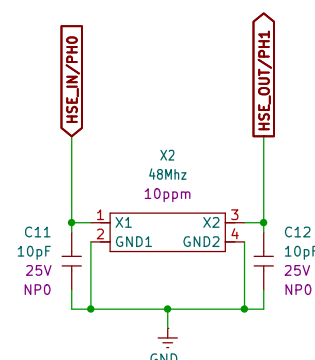
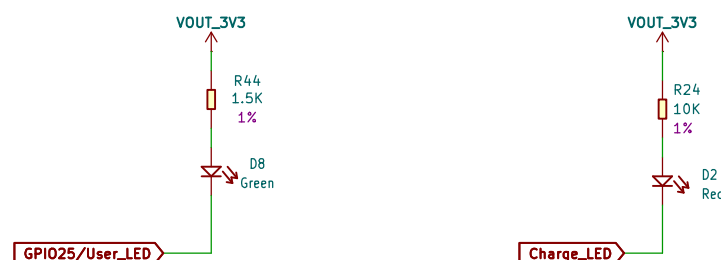
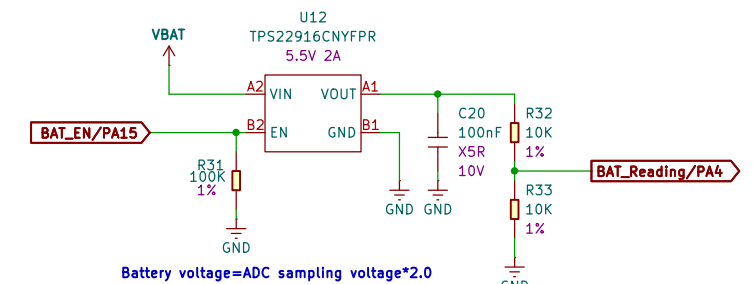
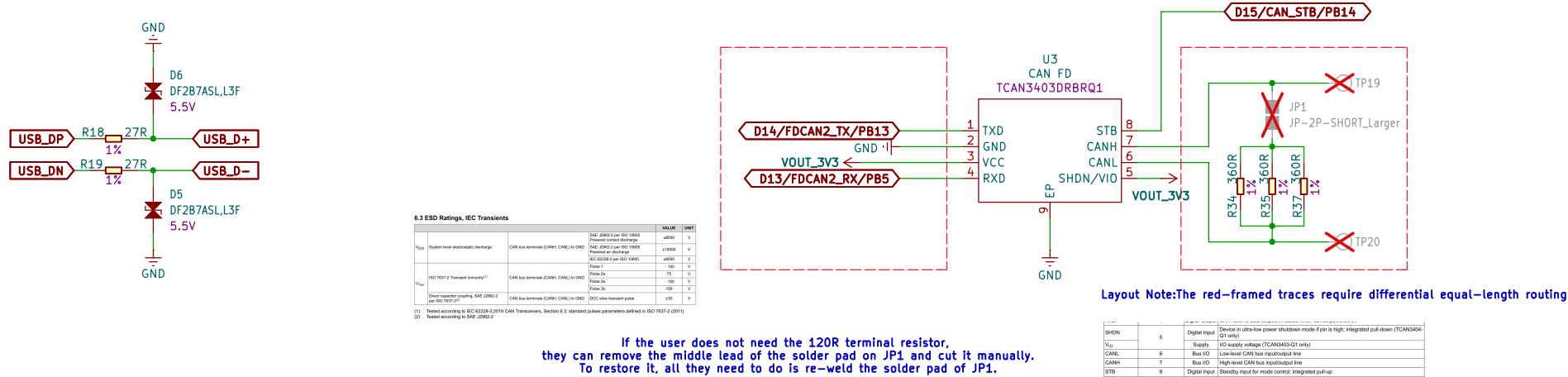
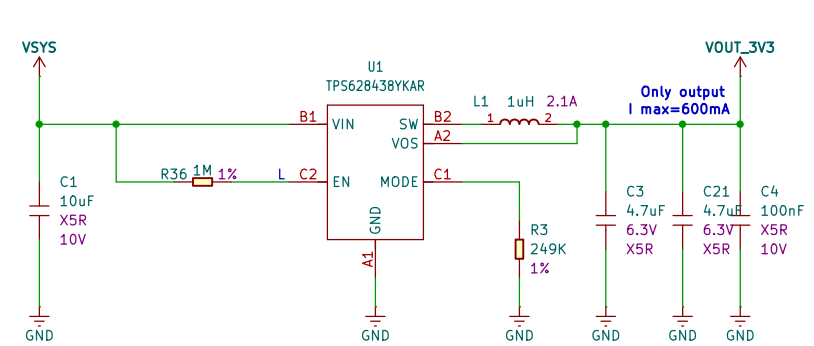
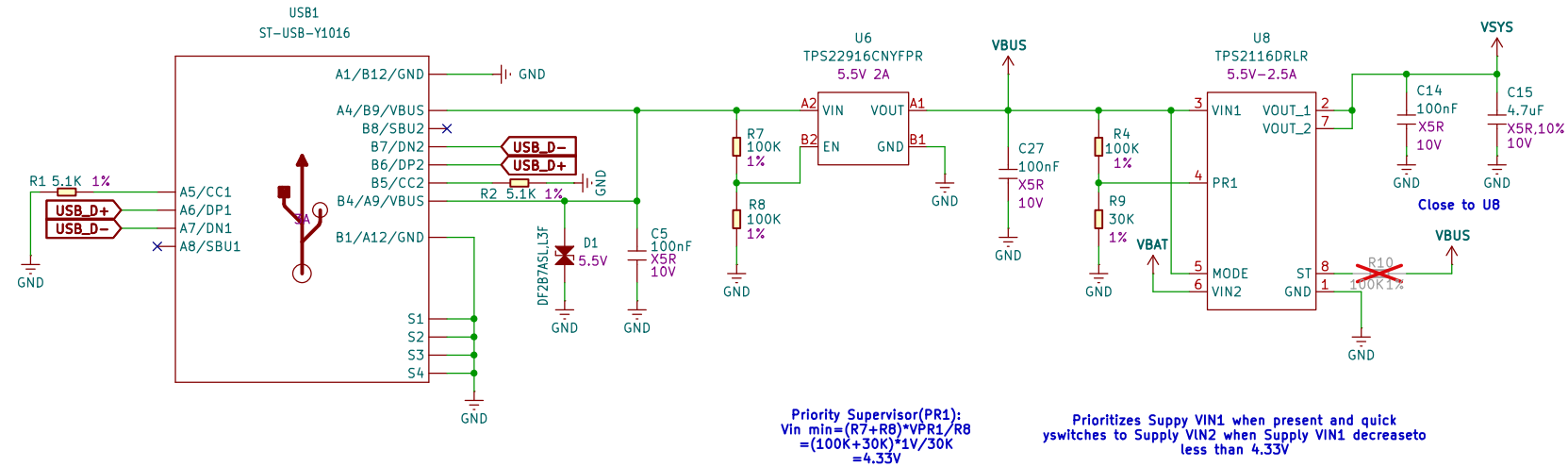
05 Peripherals



文件: 05 Peripherals.kicad_sch

Version	Descriptions	Data	Name
V1.0	First Release	06/01/2026	Genta.Lee



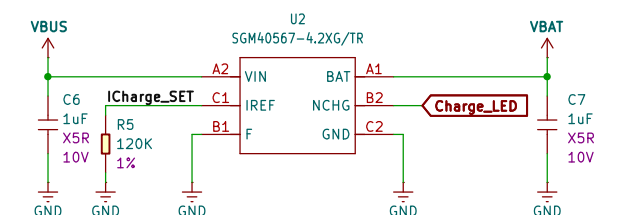


Clock sources

Three clock sources are available:

- **LSE:** 32.768 kHz crystal for the STM32 embedded RTC.
- **MCO:** 8 MHz clock from STLINK-V3EC for the STM32 microcontroller.
- **HSE:** 48 MHz oscillator for the STM32 microcontroller.

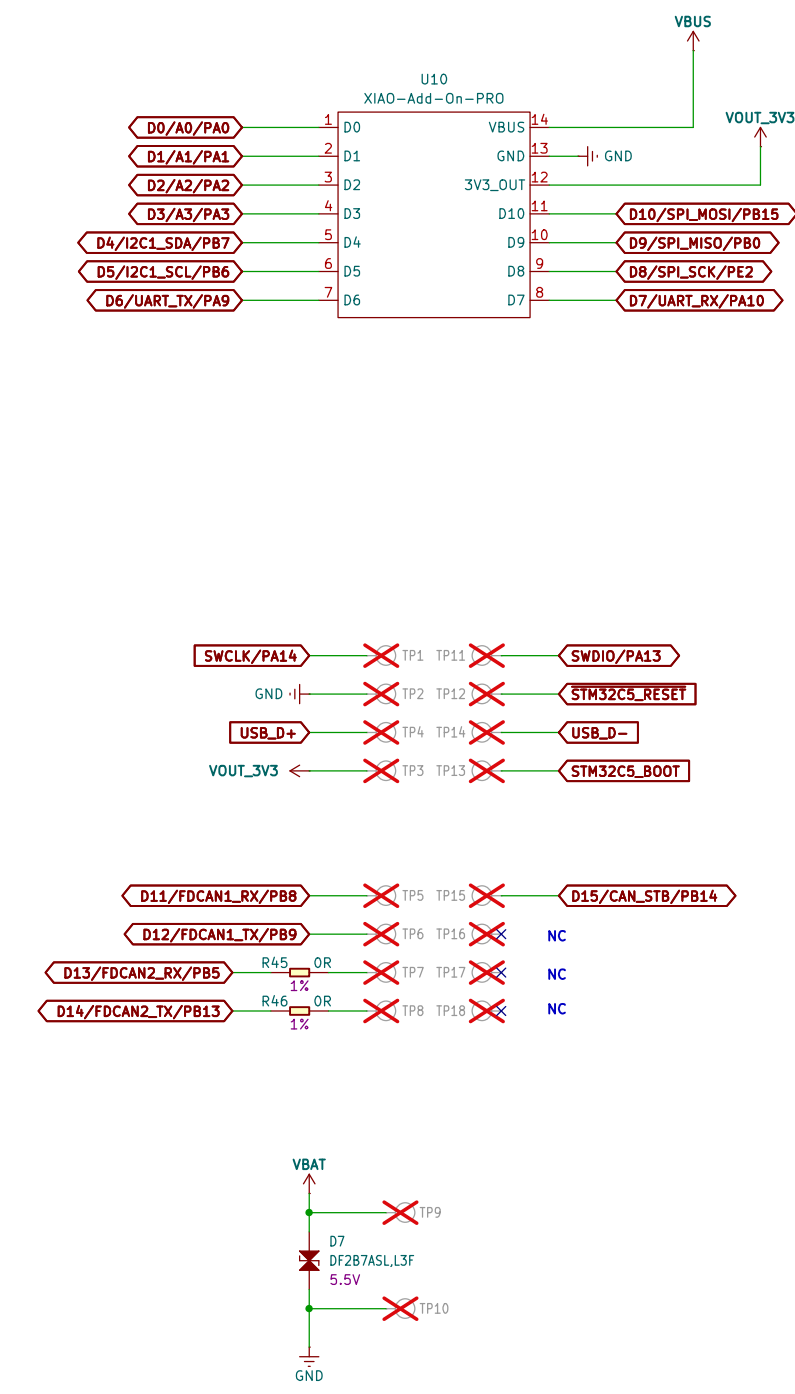
CC BY-SA 4.0



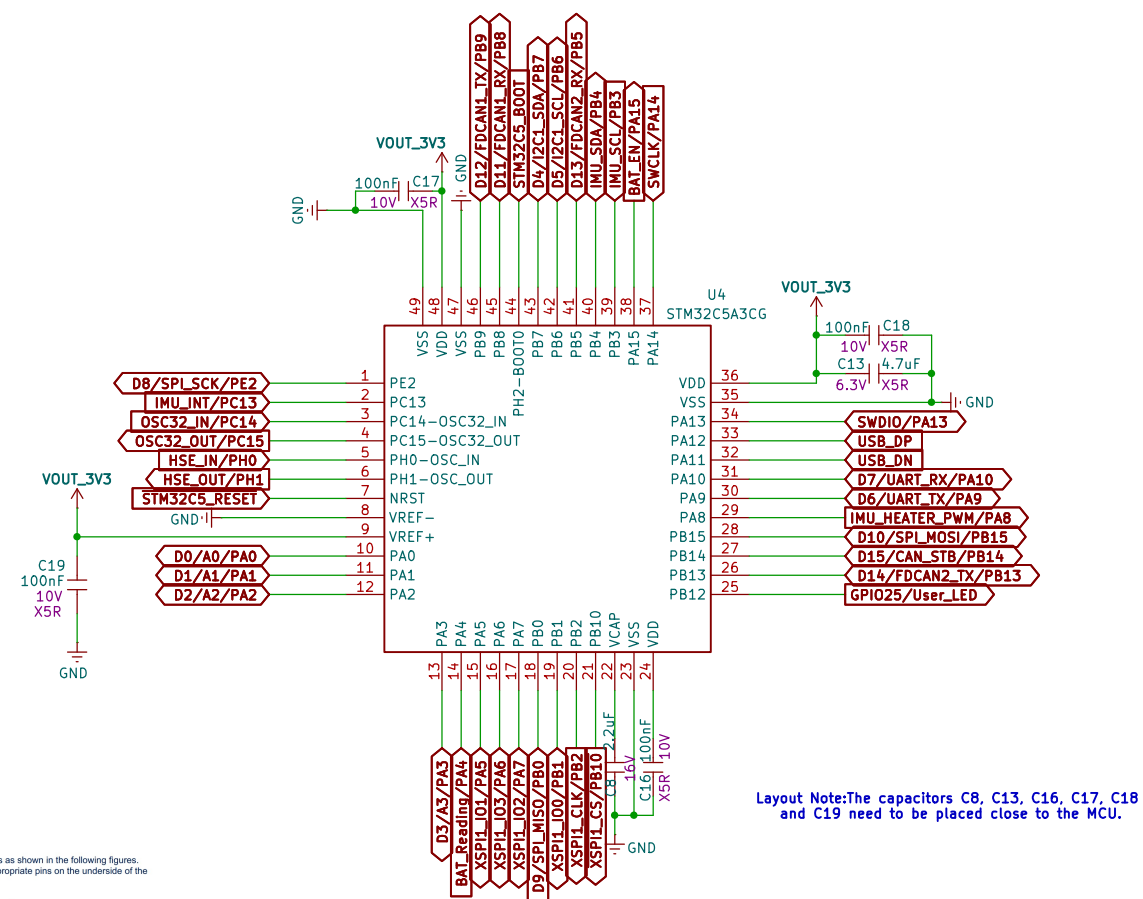
ICharge = 24000/120K = 200mA
 Charging: LED Blink
 Charged: LED lights up for
 51.2s
 and then goes off

seed studio

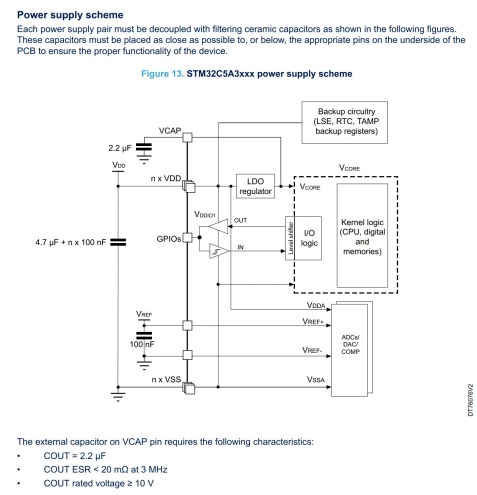
XIAO Header



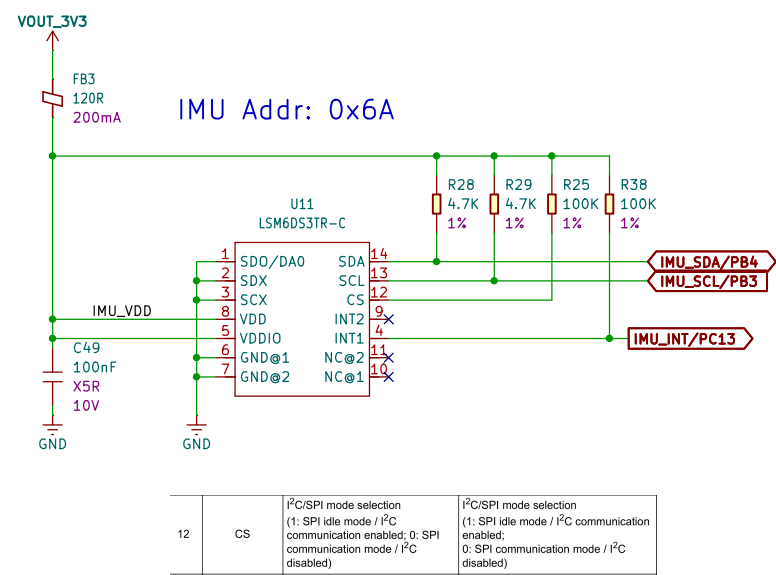
STM32C5A3CG



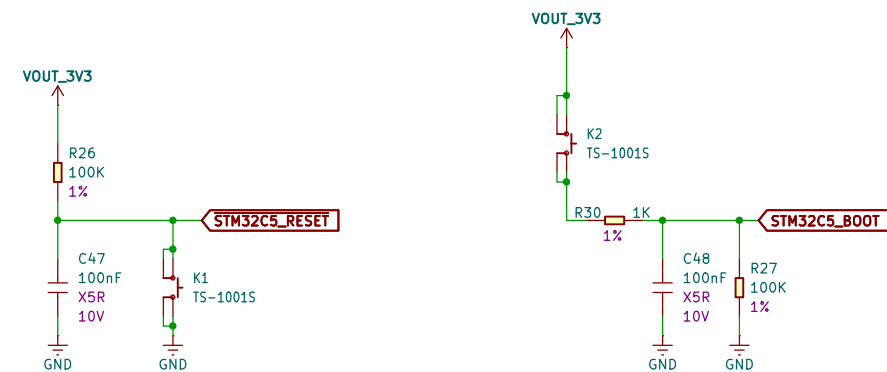
Layout Note: The capacitors C8, C13, C16, C17, C18 and C19 need to be placed close to the MCU.



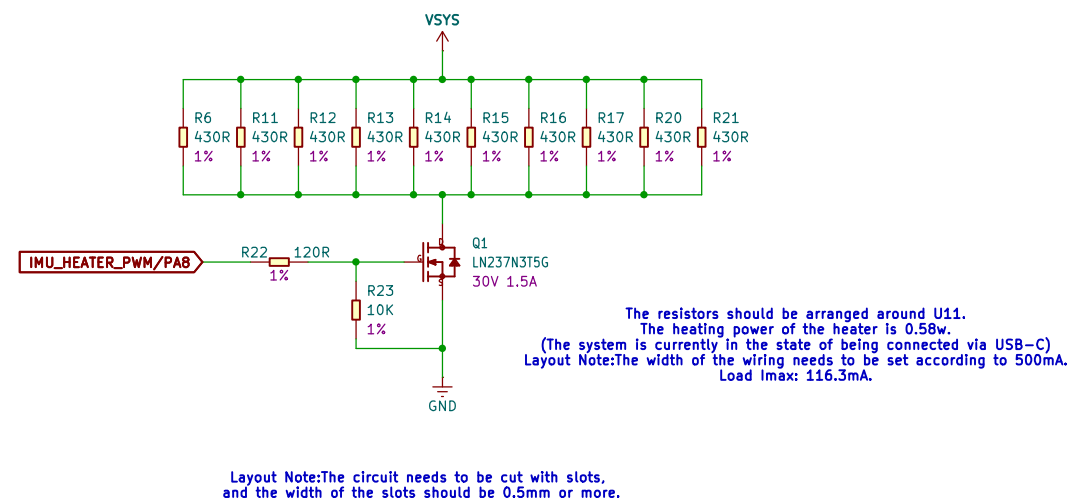
IMU



KEY



IMU-Temperature Compensation Heater



FLASH

