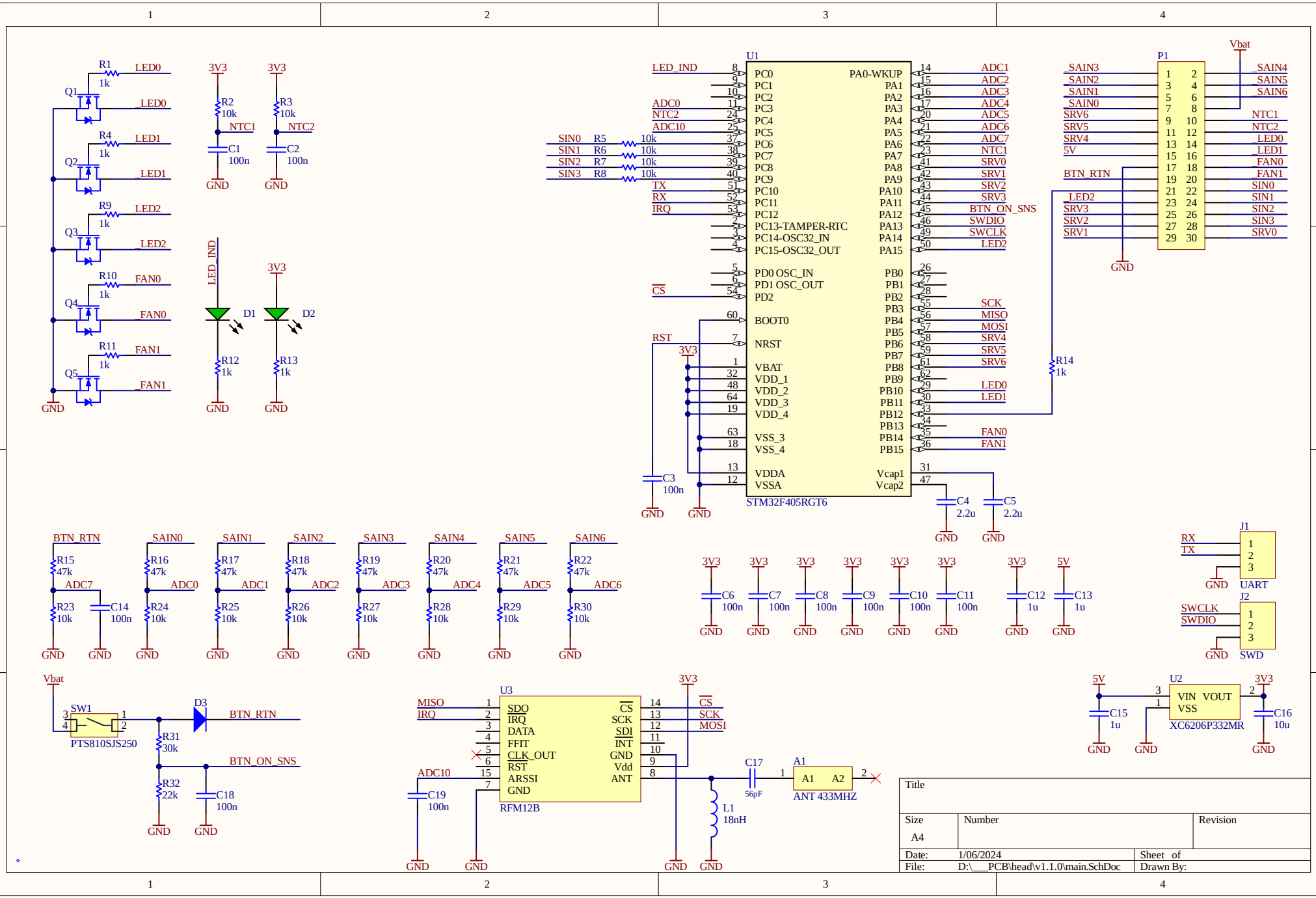
U1
STM32F405RGT6
PC0 PC1 PC2 PC3 PC4 PC5 PC6 PC7 PC8 PC9 PC10 PC11 PC12 PC13-TAMPER-RTC PC14-OSC32_IN PC15-OSC32_OUT
PD0 OSC_IN PD1 OSC_OUT PD2
BOOT0 NRST VBAT VDD_1 VDD_2 VDD_3 VDD_4 VSS_3 VSS_4 VDDA VSSA
PA0-WKUP PA1 PA2 PA3 PA4 PA5 PA6 PA7 PA8 PA9 PA10 PA11 PA12 PA13 PA14 PA15
PB0 PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12 PB13 PB14 PB15
Vcap1 Vcap2
LED_IND ADC0 NTC2 ADC10 TX RX IRQ CS RST
SIN0 SIN1 SIN2 SIN3
ADC1 ADC2 ADC3 ADC4 ADC5 ADC6 ADC7 NTC1 SRV0 SRV1 SRV2 SRV3 BTN_ON_SNS SWDIO SWCLK LED2 SCK MISO MOSI SRV4 SRV5 SRV6 LED0 LED1 FAN0 FAN1
P1
_SAIN3 _SAIN2 _SAIN1 _SAIN0 SRV6 SRV5 SRV4 5V BTN_RTN _LED2 SRV3 SRV2 SRV1
_SAIN4 _SAIN5 _SAIN6 NTC1 NTC2 _LED0 _LED1 _FAN0 _FAN1 SIN0 SIN1 SIN2 SIN3 SRV0
Vbat
R1 1k LED0 Q1 _LED0
R4 1k LED1 Q2 _LED1
R9 1k LED2 Q3 _LED2
R10 1k FAN0 Q4 _FAN0
R11 1k FAN1 Q5 _FAN1
3V3 R2 10k NTC1 C1 100n GND
3V3 R3 10k NTC2 C2 100n GND
LED_IND D1 R12 1k GND
3V3 D2 R13 1k GND
R14 1k
C3 100n
C4 2.2u
C5 2.2u
BTN_RTN R15 47k ADC7 R23 10k C14 100n
SAIN0 R16 47k ADC0 R24 10k
SAIN1 R17 47k ADC1 R25 10k
SAIN2 R18 47k ADC2 R26 10k
SAIN3 R19 47k ADC3 R27 10k
SAIN4 R20 47k ADC4 R28 10k
SAIN5 R21 47k ADC5 R29 10k
SAIN6 R22 47k ADC6 R30 10k
C6 100n
C7 100n
C8 100n
C9 100n
C10 100n
C11 100n
C12 1u
C13 1u
J1 UART RX TX
J2 SWD SWCLK SWDIO
Vbat SW1 PTS810SJS250 D3 BTN_RTN R31 30k BTN_ON_SNS R32 22k C18 100n
U3 RFM12B
MISO IRQ SDO IRQ DATA FFIT CLK_OUT RST ARSSI GND
CS SCK SDI INT GND Vdd ANT
ADC10 C19 100n
C17 56pF
L1 18nH
A1 ANT 433MHZ
5V C15 1u
U2 XC6206P332MR VIN VOUT VSS
3V3 C16 10u
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Number
Revision
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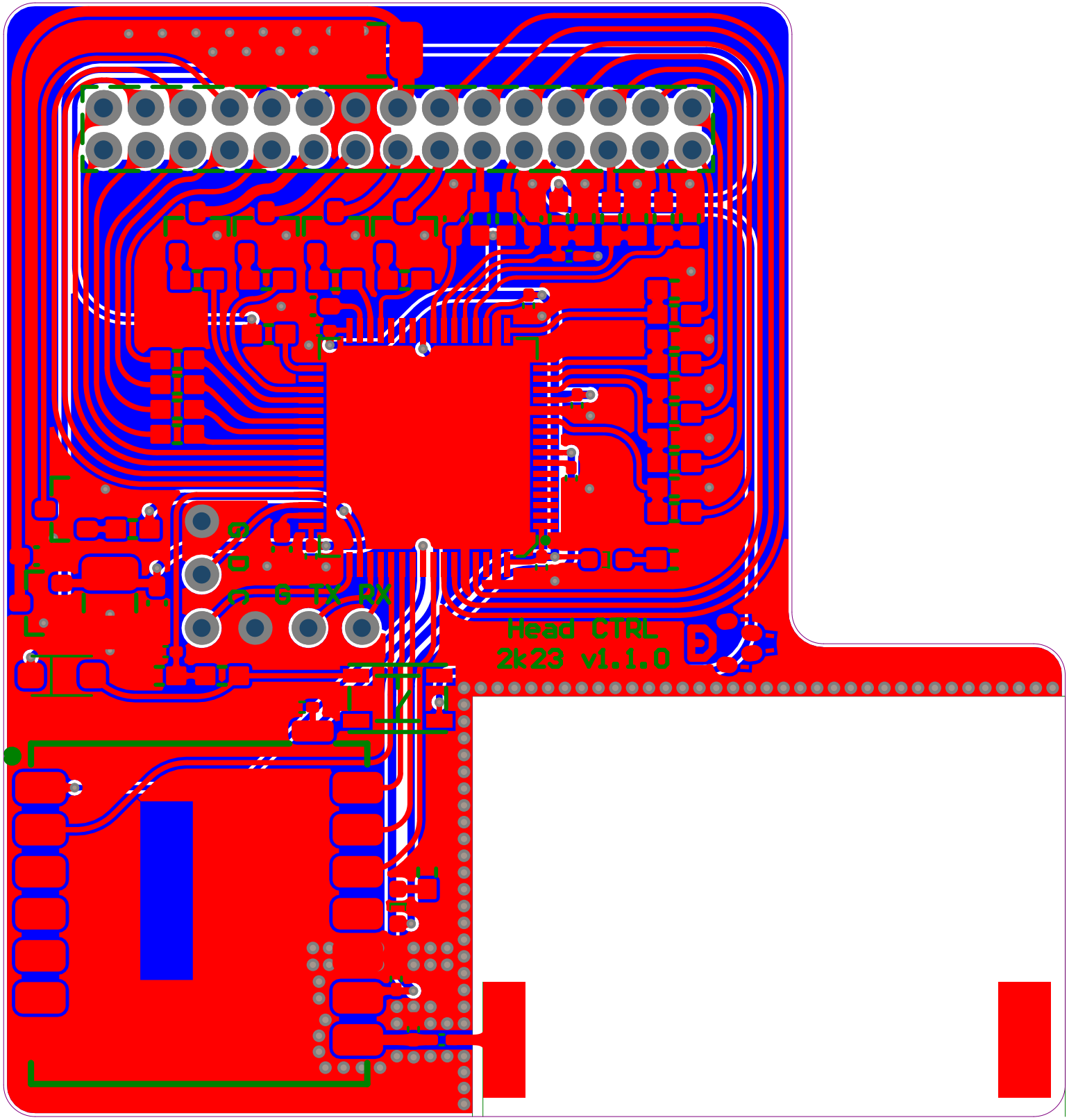
TX
RX
Head CTRL
2k23 v1.1.0