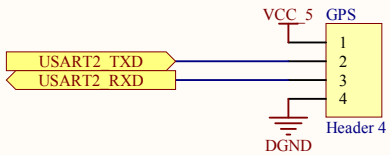

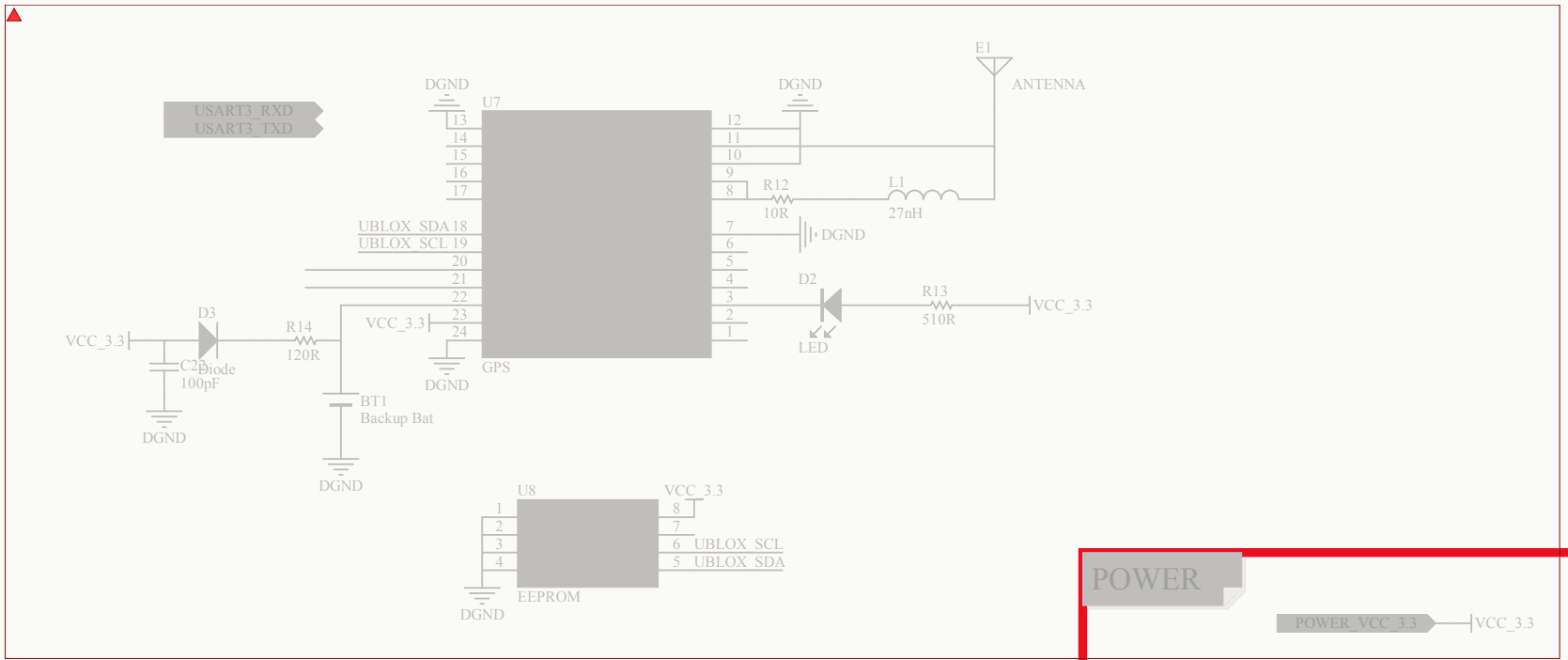

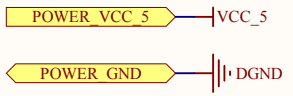

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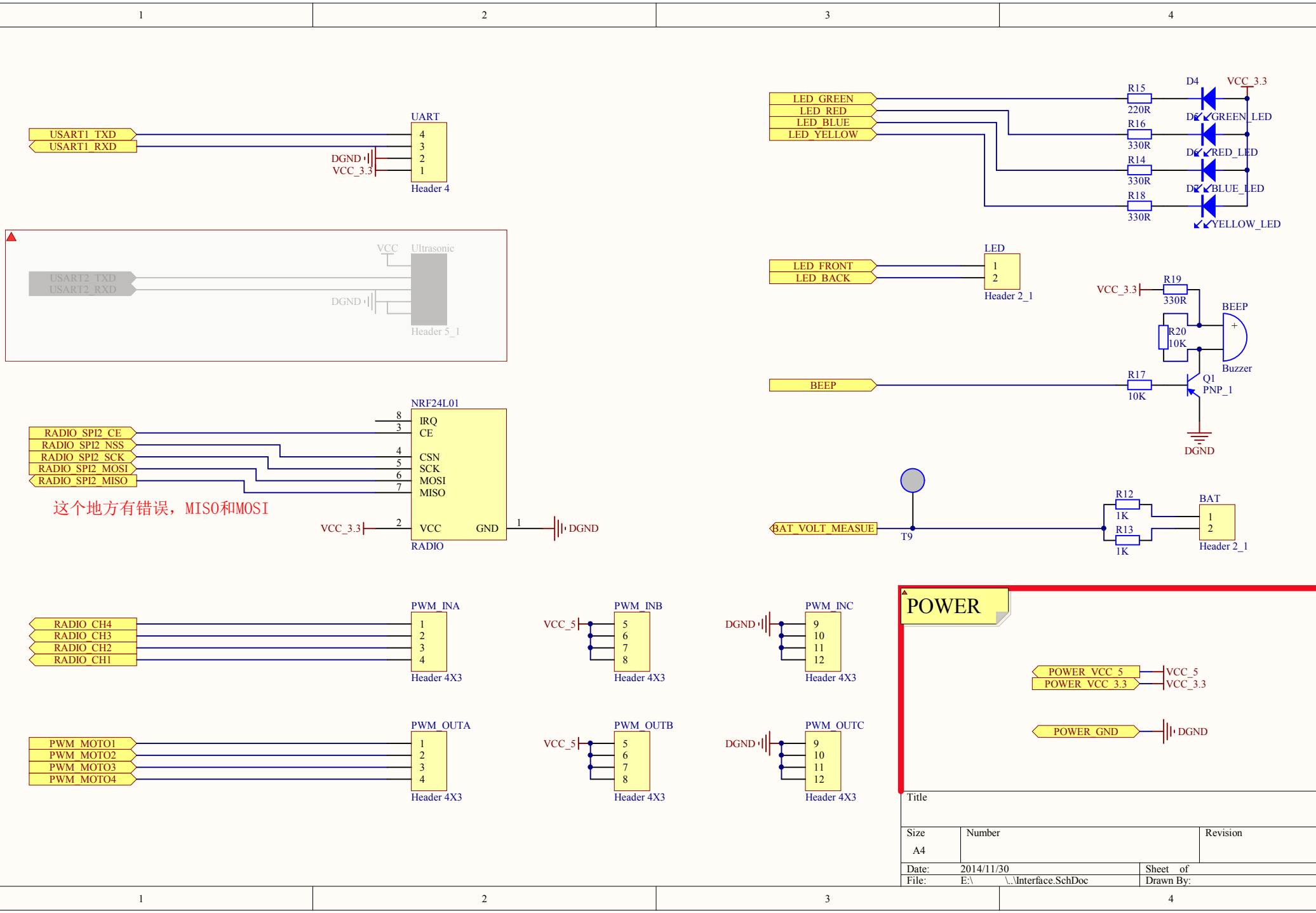
USART1_TXD
USART1_RXD
UART
4
3
2
1
DGND
VCC_3.3
Header 4
VCC
Ultrasonic
USART2_TXD
USART2_RXD
DGND
Header 5_1
NRF24L01
RADIO_SPI2_CE
RADIO_SPI2_NSS
RADIO_SPI2_SCK
RADIO_SPI2_MOSI
RADIO_SPI2_MISO
IRQ
CE
CSN
SCK
MOSI
MISO
VCC
GND
RADIO
这个地方有错误，MISO和MOSI
LED_GREEN
LED_RED
LED_BLUE
LED_YELLOW
R15
220R
R16
330R
R14
330R
R18
330R
D4
VCC_3.3
GREEN_LED
RED_LED
BLUE_LED
YELLOW_LED
LED_FRONT
LED_BACK
LED
Header 2_1
BEEP
R19
330R
R20
10K
Buzzer
R17
10K
Q1
PNP_1
DGND
BAT_VOLT_MEASUE
T9
R12
1K
R13
1K
BAT
Header 2_1
RADIO_CH4
RADIO_CH3
RADIO_CH2
RADIO_CH1
PWM_INA
Header 4X3
VCC_5
PWM_INB
Header 4X3
DGND
PWM_INC
Header 4X3
PWM_MOTO1
PWM_MOTO2
PWM_MOTO3
PWM_MOTO4
PWM_OUTA
Header 4X3
PWM_OUTB
Header 4X3
PWM_OUTC
Header 4X3
POWER
POWER_VCC_5
POWER_VCC_3.3
VCC_5
VCC_3.3
POWER_GND
DGND
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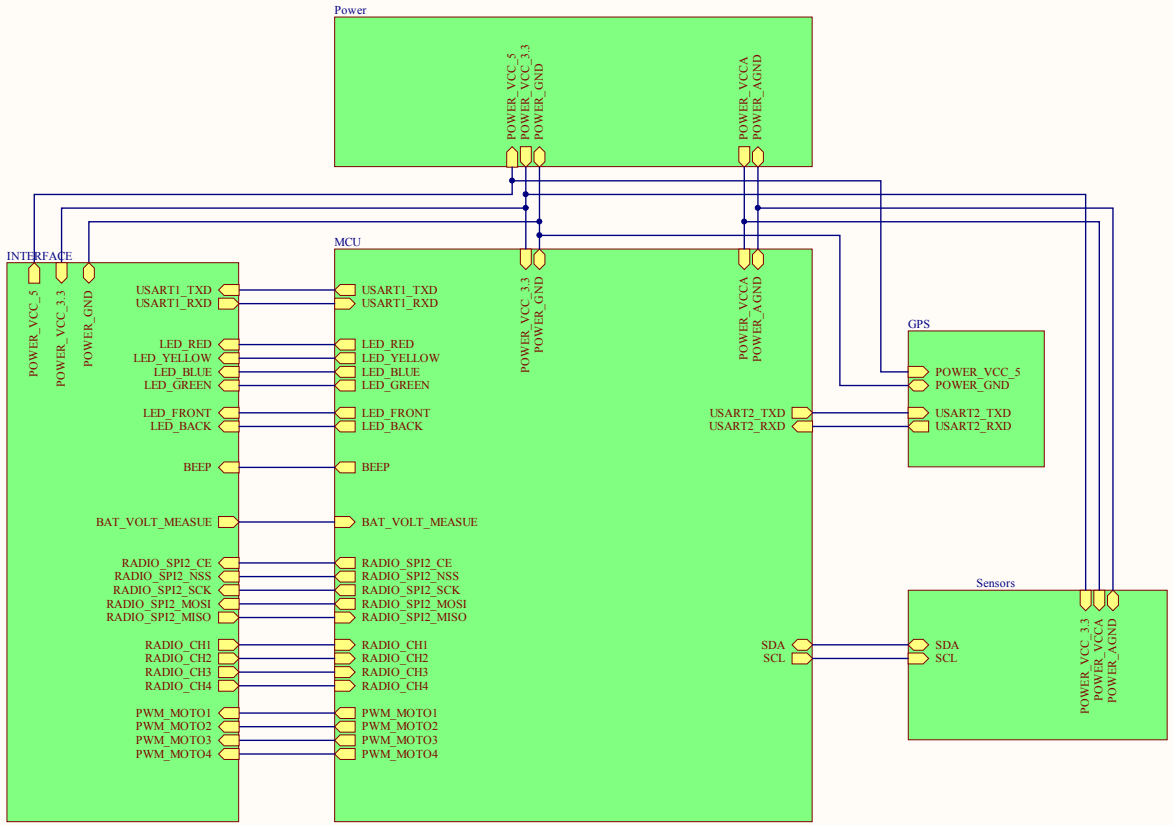

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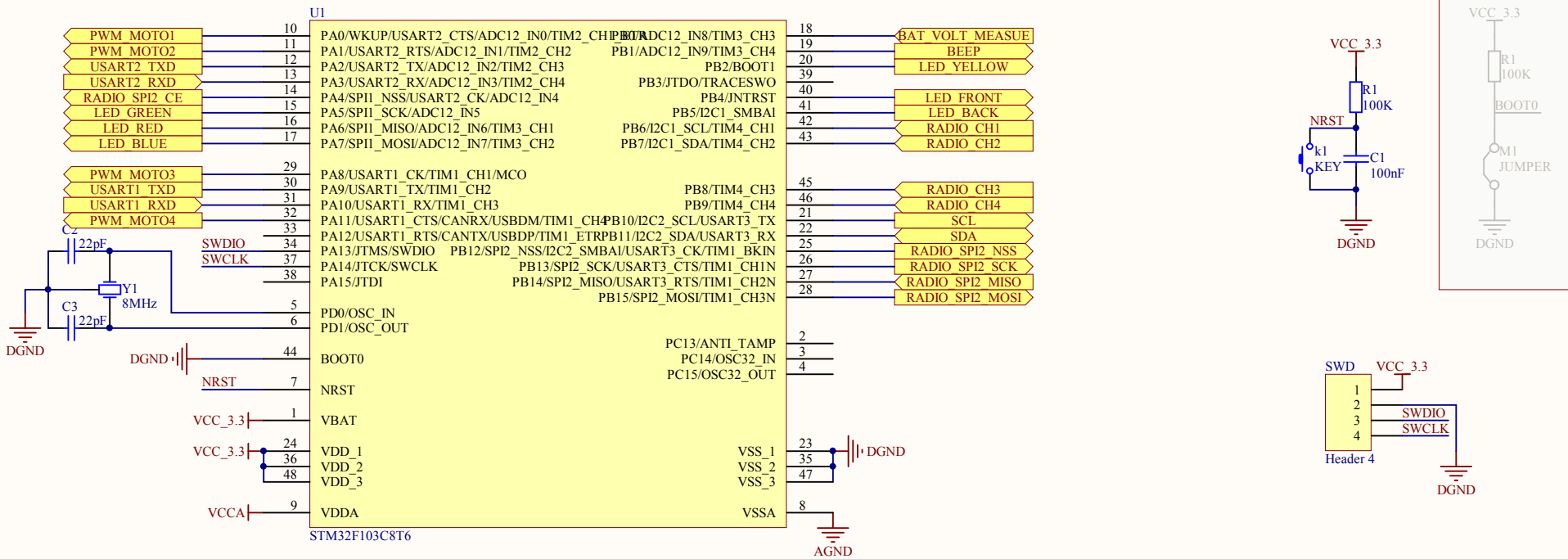
U1
PWM_MOTO1
PWM_MOTO2
USART2_TXD
USART2_RXD
RADIO_SPI2_CE
LED_GREEN
LED_RED
LED_BLUE
PWM_MOTO3
USART1_TXD
USART1_RXD
PWM_MOTO4
SWDIO
SWCLK
NRST
VCC_3.3
VCCA
DGND
AGND
C2
22pF
C3
22pF
Y1
8MHz
PA0/WKUP/USART2_CTS/ADC12_IN0/TIM2_CH1_ETR
PA1/USART2_RTS/ADC12_IN1/TIM2_CH2
PA2/USART2_TX/ADC12_IN2/TIM2_CH3
PA3/USART2_RX/ADC12_IN3/TIM2_CH4
PA4/SPI1_NSS/USART2_CK/ADC12_IN4
PA5/SPI1_SCK/ADC12_IN5
PA6/SPI1_MISO/ADC12_IN6/TIM3_CH1
PA7/SPI1_MOSI/ADC12_IN7/TIM3_CH2
PA8/USART1_CK/TIM1_CH1/MCO
PA9/USART1_TX/TIM1_CH2
PA10/USART1_RX/TIM1_CH3
PA11/USART1_CTS/CANRX/USBDM/TIM1_CH4
PA12/USART1_RTS/CANTX/USBDP/TIM1_ETR
PA13/JTMS/SWDIO
PA14/JTCK/SWCLK
PA15/JTDI
PB0/ADC12_IN8/TIM3_CH3
PB1/ADC12_IN9/TIM3_CH4
PB2/BOOT1
PB3/JTDO/TRACESWO
PB4/JNTRST
PB5/I2C1_SMBAI
PB6/I2C1_SCL/TIM4_CH1
PB7/I2C1_SDA/TIM4_CH2
PB8/TIM4_CH3
PB9/TIM4_CH4
PB10/I2C2_SCL/USART3_TX
PB11/I2C2_SDA/USART3_RX
PB12/SPI2_NSS/I2C2_SMBAI/USART3_CK/TIM1_BKIN
PB13/SPI2_SCK/USART3_CTS/TIM1_CH1N
PB14/SPI2_MISO/USART3_RTS/TIM1_CH2N
PB15/SPI2_MOSI/TIM1_CH3N
PD0/OSC_IN
PD1/OSC_OUT
BOOT0
NRST
VBAT
VDD_1
VDD_2
VDD_3
VDDA
PC13/ANTI_TAMP
PC14/OSC32_IN
PC15/OSC32_OUT
VSS_1
VSS_2
VSS_3
VSSA
BAT_VOLT_MEASUE
BEEP
LED_YELLOW
LED_FRONT
LED_BACK
RADIO_CH1
RADIO_CH2
RADIO_CH3
RADIO_CH4
SCL
SDA
RADIO_SPI2_NSS
RADIO_SPI2_SCK
RADIO_SPI2_MISO
RADIO_SPI2_MOSI
STM32F103C8T6
VCC_3.3
R1
100K
NRST
k1
KEY
C1
100nF
DGND
VCC_3.3
R1
100K
BOOT0
M1
JUMPER
DGND
SWD
VCC_3.3
1
2
3
4
SWDIO
SWCLK
Header 4
DGND
VCC_3.3
C4
4.7uF
C5
100nF
C6
100nF
C7
100nF
C8
100nF
DGND
VCCA
C9
4.7uF
C10
100nF
AGND
Reserved_0
USART3_TXD
USART3_RXD
POWER
POWER_VCC_3.3
VCC_3.3
POWER_GND
DGND
POWER_VCCA
VCCA
POWER_AGND
AGND
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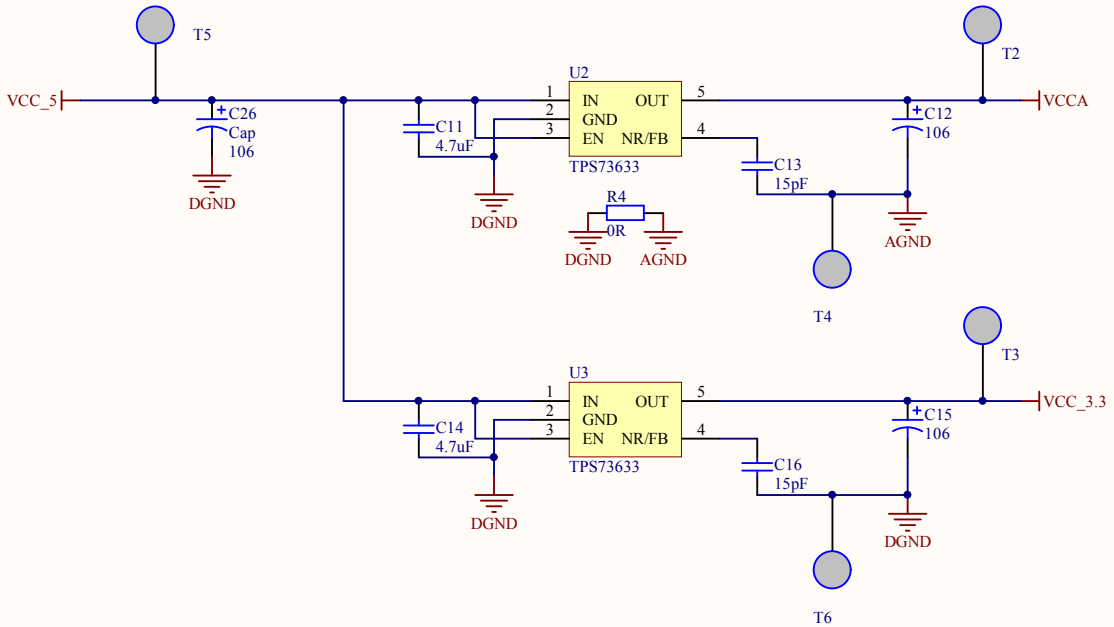
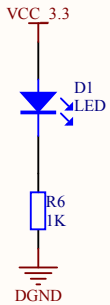
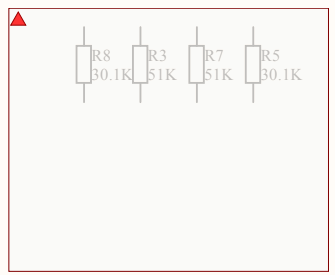
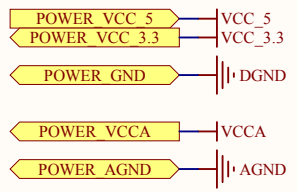






POWER



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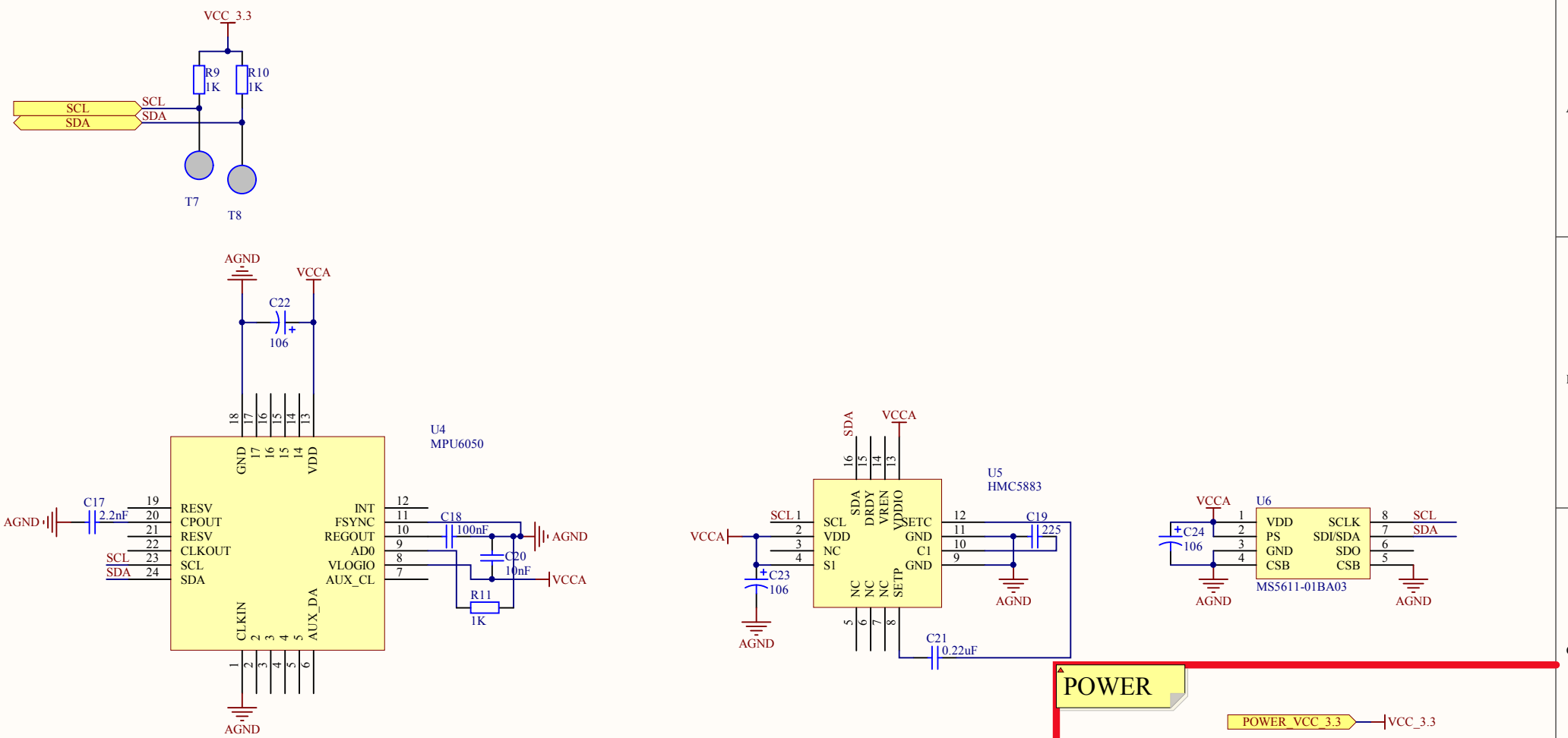
VCC_3.3
R9
1K
R10
1K
SCL
SDA
T7
T8
AGND
VCCA
C22
106
U4
MPU6050
GND
VDD
RESV
CPOUT
RESV
CLKOUT
SCL
SDA
INT
FSYNC
REGOUT
AD0
VLOGIO
AUX_CL
CLKIN
AUX_DA
C17
2.2nF
C18
100nF
C20
10nF
R11
1K
U5
HMC5883
SCL
VDD
NC
S1
SDA
DRDY
VREN
VDDIO
RESETC
GND
C1
SETP
C19
225
C21
0.22uF
C23
106
U6
MS5611-01BA03
VDD
PS
GND
CSB
SCLK
SDI/SDA
SDO
CSB
C24
106
POWER
POWER_VCC_3.3
POWER_VCCA
POWER_AGND
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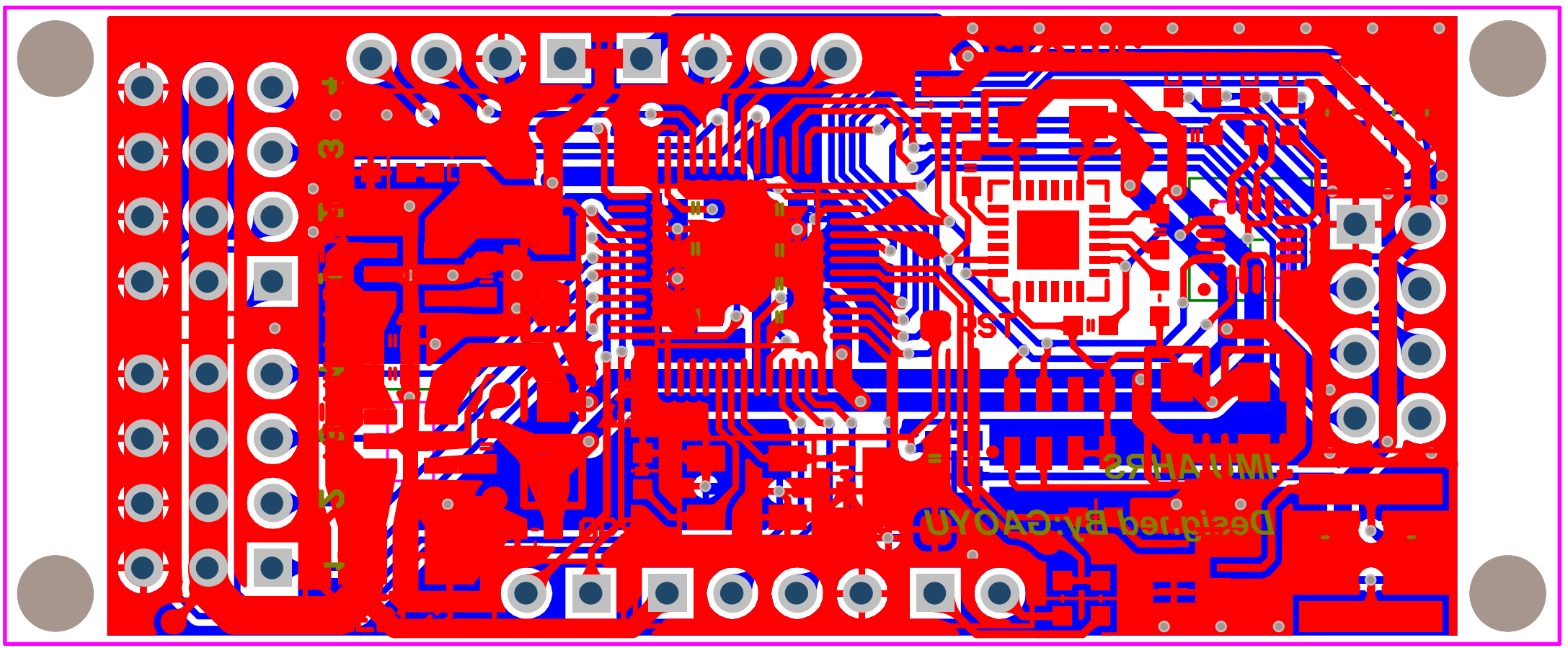
MH-AHRS
Design by:CAOYU

Comment	Description	Designator	Footprint	LibRef	Quantity
Header 2_1	Header, 2-Pin	BAT, LED	HDR1X2	Header 2_1	2
Buzzer		BEEP	BEEP	蜂鸣器	1
100nF	Capacitor	C1, C5, C6, C7, C8, C10, C18	0603C-1	Cap	7
22pF	Capacitor	C2, C3	0603C-1	Cap	2
4.7uF	Capacitor	C4, C9, C11, C14	0603C-1	Cap	4
Cap		C12, C15, C22, C23, C24	3216	电解电容	5
15pF	Capacitor	C13, C16	0603C-1	Cap	2
2.2nF	Capacitor	C17	0603C-1	Cap	1
225	Capacitor	C19	0603C-1	Cap	1
10nF	Capacitor	C20	0603C-1	Cap	1
0.22uF	Capacitor	C21	0603C-1	Cap	1
Cap		C26	3528	电解电容	1
LED		D1	0603G-1	LED	1
GREEN_LED		D4	0603G-1	LED	1
RED_LED		D5	0603RED-1	LED	1
BLUE_LED		D6	0603Y-1	LED	1
YELLOW_LED		D7	0603Y-1	LED	1
Header 4	Header, 4-Pin	GPS, SWD, UART	HDR1X4	Header 4	3
KEY		k1	KEY	KEY	1
RADIO		NRF24L01	HDR2X4	RADIO_NRF	1
Header 4X3		PWM_IN, PWM_OUT	HDR4X3	Header 4X3	2
PNP_1	PNP Bipolar Transistor	Q1	SOT95P240-3N	PNP_1	1
100K	Resistor	R1	0603R-1	Res2	1
0R	Resistor	R4	0603R-1	Res2	1
1K	Resistor	R6, R9, R10, R11, R12, R13	0603R-1	Res2	6
330R	Resistor	R14, R16, R18, R19	0603R-1	Res2	4
220R	Resistor	R15	0603R-1	Res2	1
10K	Resistor	R17, R20	0603R-1	Res2	2
Test_Pad		T2, T3, T4, T5, T6, T7, T8, T9	Test_Pad	Test_Pad	8
STM32F103C8T6		U1	LQFP-48	STM32F103C8T6	1
TPS73633		U2, U3	SOT26A-5M	TPS79633	2
MPU6050		U4	QFN-24	MPU6050	1
HMC5883		U5	LPCC-16	HMC5883	1
MS5611-01BA03	Altimeter Sensors	U6	QFN-8	MS5611-01BA03	1
8MHz		Y1	SMD4	XTAL_3225	1