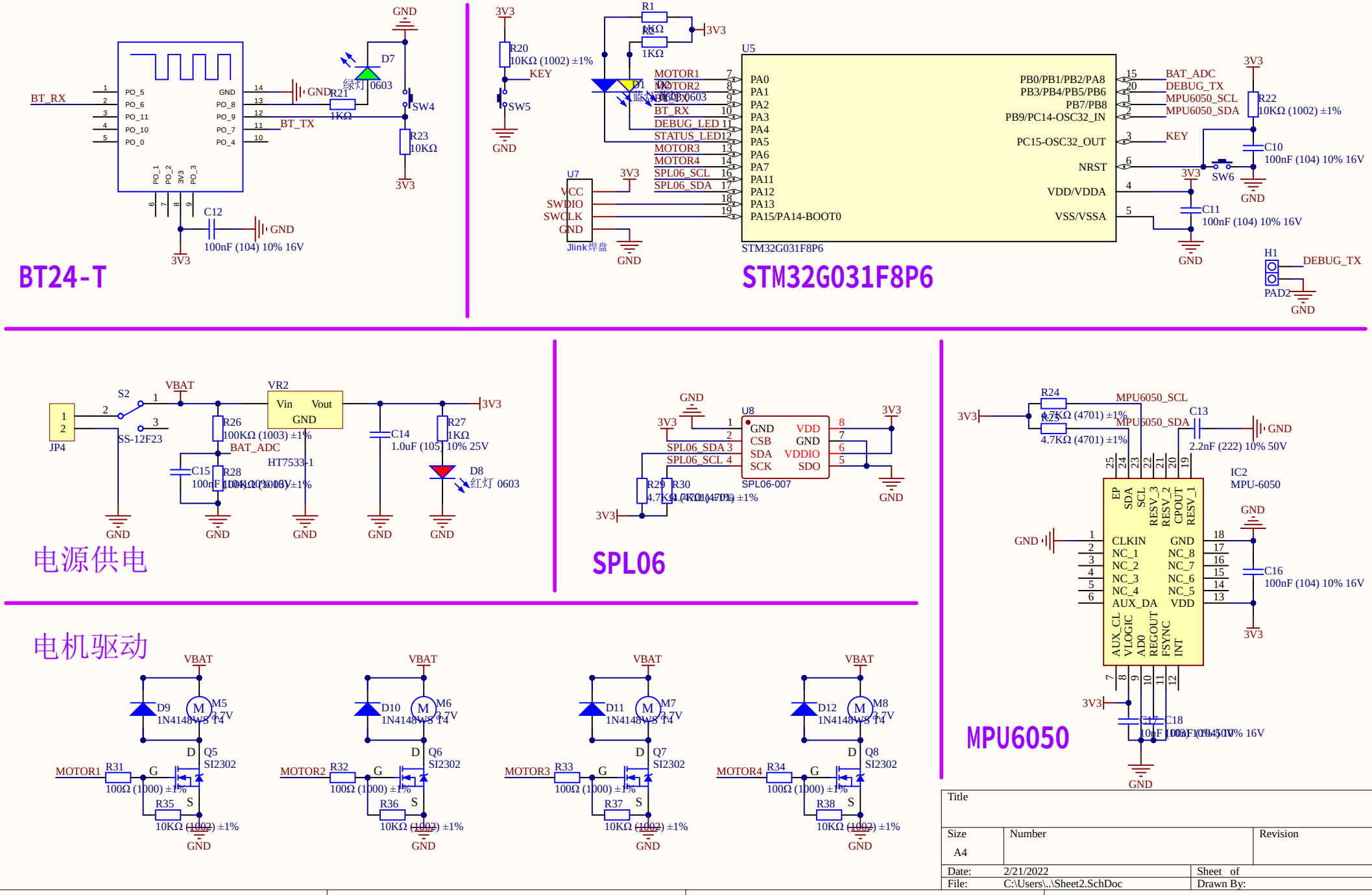
BT24-T
BT_RX
BT_TX
GND
3V3
D7
绿灯 0603
R21
1KΩ
SW4
R23
10KΩ
C12
100nF (104) 10% 16V
STM32G031F8P6
R1
R2
1KΩ
R20
10KΩ (1002) ±1%
KEY
SW5
D1
蓝灯 0603
MOTOR1
MOTOR2
DEBUG_LED
STATUS_LED
MOTOR3
MOTOR4
SPL06_SCL
SPL06_SDA
BT_RX
U5
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA11
PA12
PA13
PA15/PA14-BOOT0
PB0/PB1/PB2/PA8
PB3/PB4/PB5/PB6
PB7/PB8
PB9/PC14-OSC32_IN
PC15-OSC32_OUT
NRST
VDD/VDDA
VSS/VSSA
BAT_ADC
DEBUG_TX
MPU6050_SCL
MPU6050_SDA
KEY
R22
10KΩ (1002) ±1%
C10
100nF (104) 10% 16V
SW6
C11
100nF (104) 10% 16V
U7
VCC
SWDIO
SWCLK
Jlink焊盘
H1
PAD2
电源供电
S2
SS-12F23
JP4
VBAT
VR2
Vin
Vout
HT7533-1
R26
100KΩ (1003) ±1%
BAT_ADC
C15
100nF (104) 10% 16V
R28
C14
1.0uF (105) 10% 25V
R27
1KΩ
D8
红灯 0603
SPL06
U8
GND
CSB
SDA
SCK
VDD
VDDIO
SDO
SPL06-007
R29
R30
4.7KΩ (4701) ±1%
MPU6050
R24
R25
4.7KΩ (4701) ±1%
MPU6050_SCL
MPU6050_SDA
C13
2.2nF (222) 10% 50V
IC2
MPU-6050
EP
SDA
SCL
RESV_3
RESV_2
CPOUT
RESV_1
CLKIN
NC_1
NC_2
NC_3
NC_4
AUX_DA
GND
NC_8
NC_7
NC_6
NC_5
VDD
AUX_CL
VLOGIC
AD0
REGOUT
FSYNC
INT
C16
100nF (104) 10% 16V
C17
C18
10nF (103) 10% 16V
电机驱动
D9
1N4148W8 T4
M5
3.7V
Q5
SI2302
MOTOR1
R31
100Ω (1000) ±1%
R35
10KΩ (1002) ±1%
D10
M6
Q6
MOTOR2
R32
R36
D11
M7
Q7
MOTOR3
R33
R37
D12
M8
Q8
MOTOR4
R34
R38
Title
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Number
Revision
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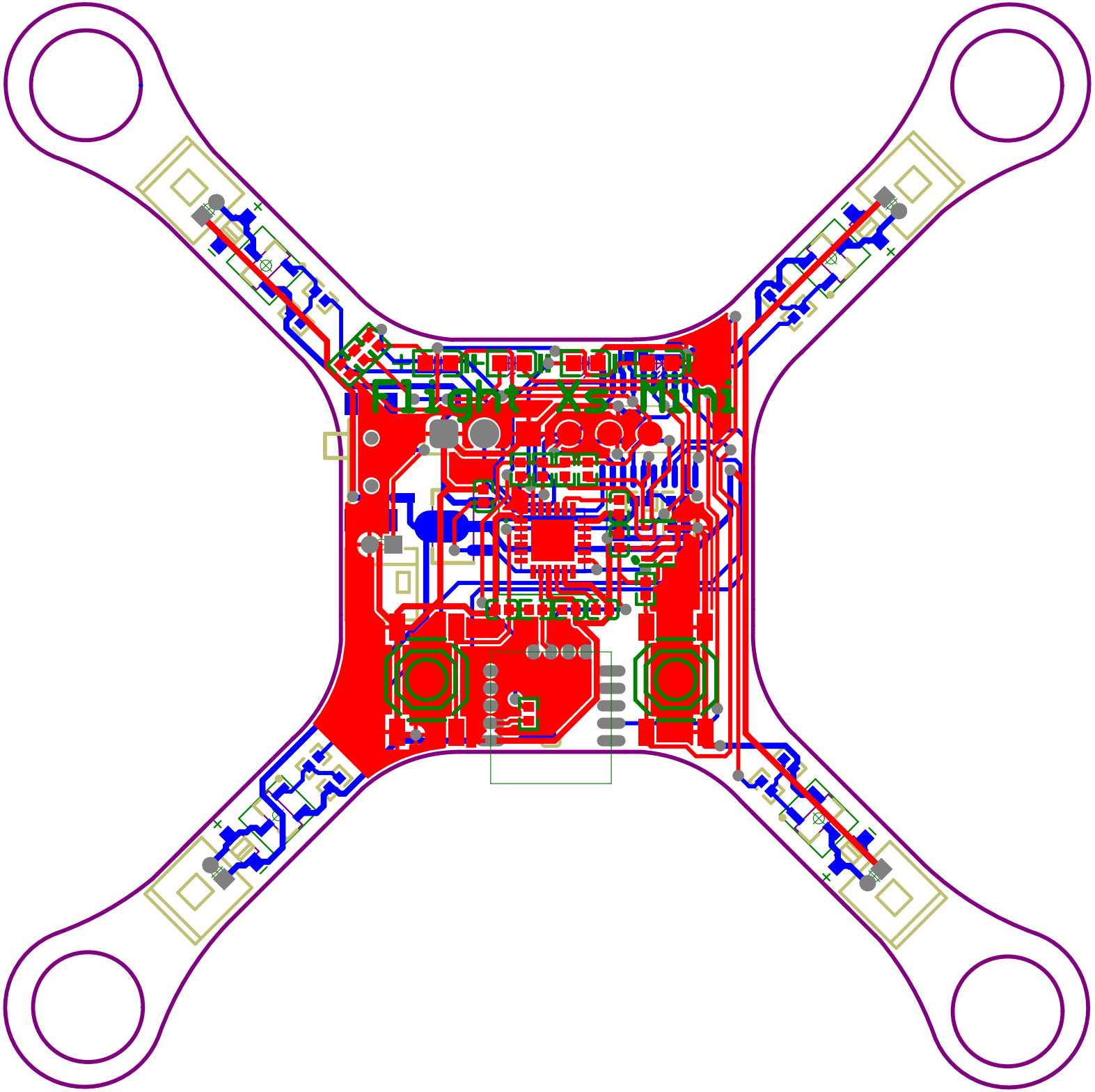
Flight Xs Mini

Comment	Description	Designator	Footprint	LibRef	Quantity
100nF (104) 10% 16V	贴片电容	C10, C11, C12, C15, C16, C18	0402_C	0402 100nF (104) 10% 16V	6
2.2nF (222) 10% 50V	贴片电容	C13	0402_C	0402 2.2nF (222) 10% 50V	1
1.0uF (105) 10% 25V	贴片电容	C14	0402_C	0402 1.0uF (105) 10% 25V	1
10nF (103) 10% 50V	贴片电容	C17	0402_C	0402 10nF (103) 10% 50V	1
蓝灯 0603	发光二极管	D1	0603_LED_S1	0603 蓝灯	1
黄灯 0603	发光二极管	D2	0603_LED_S1	0603 黄灯	1
绿灯 0603	发光二极管	D7	0603_LED_S1	0603 绿灯	1
红灯 0603	发光二极管	D8	0603_LED_S1	0603 红灯	1
1N4148WS T4	二极管	D9, D10, D11, D12	SOD-323	SOD-323 1N4148WS T4	4
PAD2	引线焊盘	H1	PAD2-2.54	PAD2	1
MPU-6050	Integrated Circuit	IC2	MPU6050	MPU-6050	1
HDR-1X2	2P接插件	JP4	ZH1.5-WI-2P	Header 2	1
3.7V	直流电机	M5, M6, M7, M8	MX 1.25-WI-2P	MOTOR	4
SI2302	N沟道场效应管	Q5, Q6, Q7, Q8	SOT23-3N	SI2302	4
1KΩ	贴片电阻	R1, R2, R21, R27	0402_R	0402 1KΩ (1001) 1%	4
10KΩ (1002) ±1%	贴片电阻	R20, R22, R35, R36, R37, R38	0402_R	0402 10KΩ (1002) 1%	6
10KΩ	贴片电阻	R23	0402_R	0402 10KΩ (1002) 1%	1
4.7KΩ (4701) ±1%	贴片电阻	R24, R25, R29, R30	0402_R	0402 4.7KΩ (4701) 1%	4
100KΩ (1003) ±1%	贴片电阻	R26, R28	0402_R	0402 100KΩ (1003) 1%	2
100Ω (1000) ±1%	贴片电阻	R31, R32, R33, R34	0402_R	0402 100Ω (1000) 1%	4
SS-12F23	1路波动开关	S2	MSK-12C01-07	SSW-1P	1
3x6x5	3x6轻触开关	SW4, SW5, SW6	SW-SMD_4P-L5.1-W5.1-P3.70-LS6.5-TL-2	TSW 3x6	3
STM32G031F8P6	No Description Available	U5	TSSOP20	STM32G031F8P6	1
BT24T		U6	CC2640T	BT24T	1
Jlink焊盘		U7	PCBComponent_1 - duplicate	Jlink焊盘	1
SPL06-007		U8	SENSOR-SMD_SPL06-007	SPL06-007	1
HT7533-1	低压差线性稳压(LDO)	VR2	SOT-89(SOT-89-3)	SOT-89 HT7533-1	1