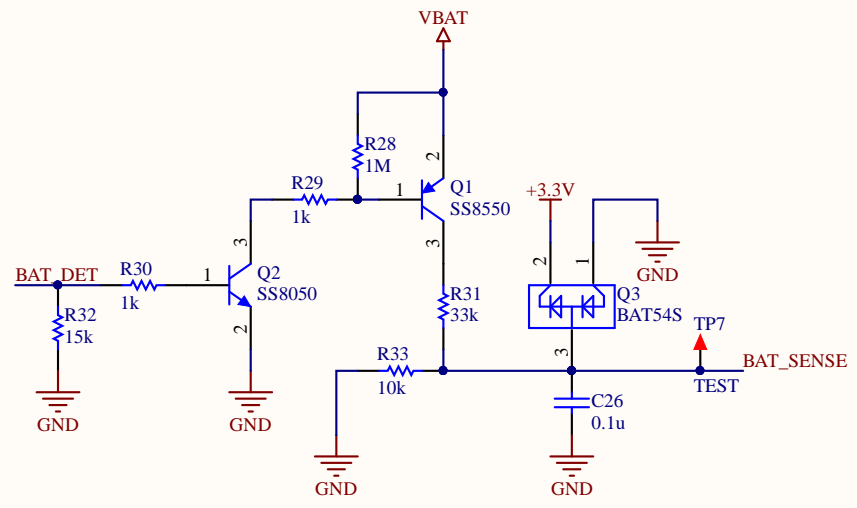
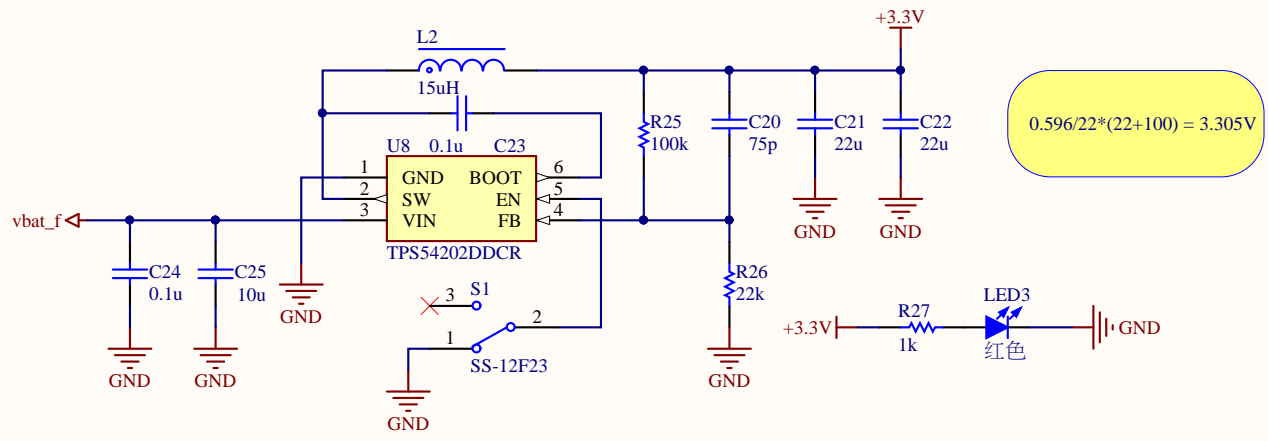
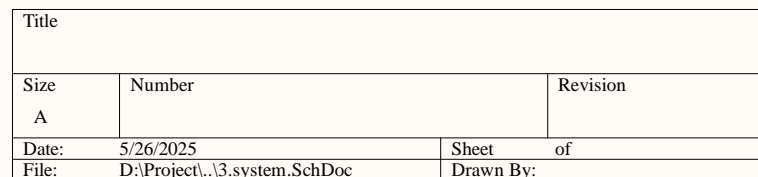
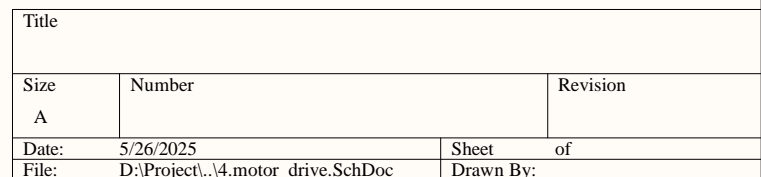


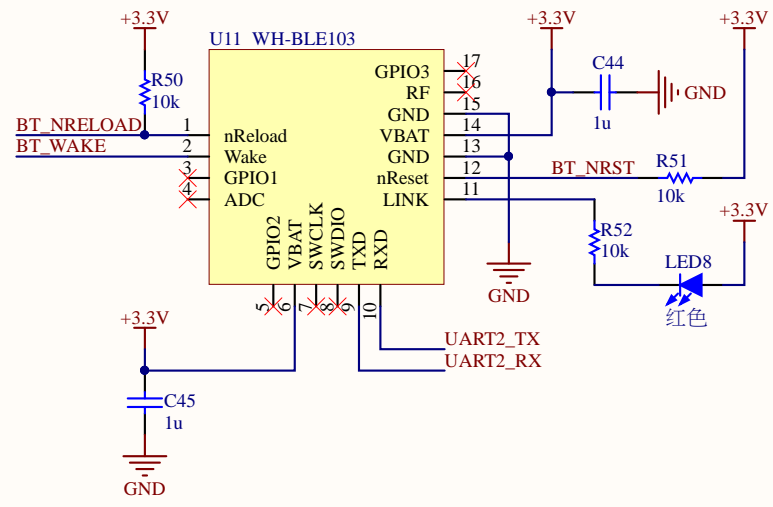
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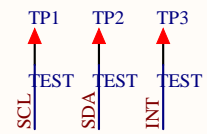
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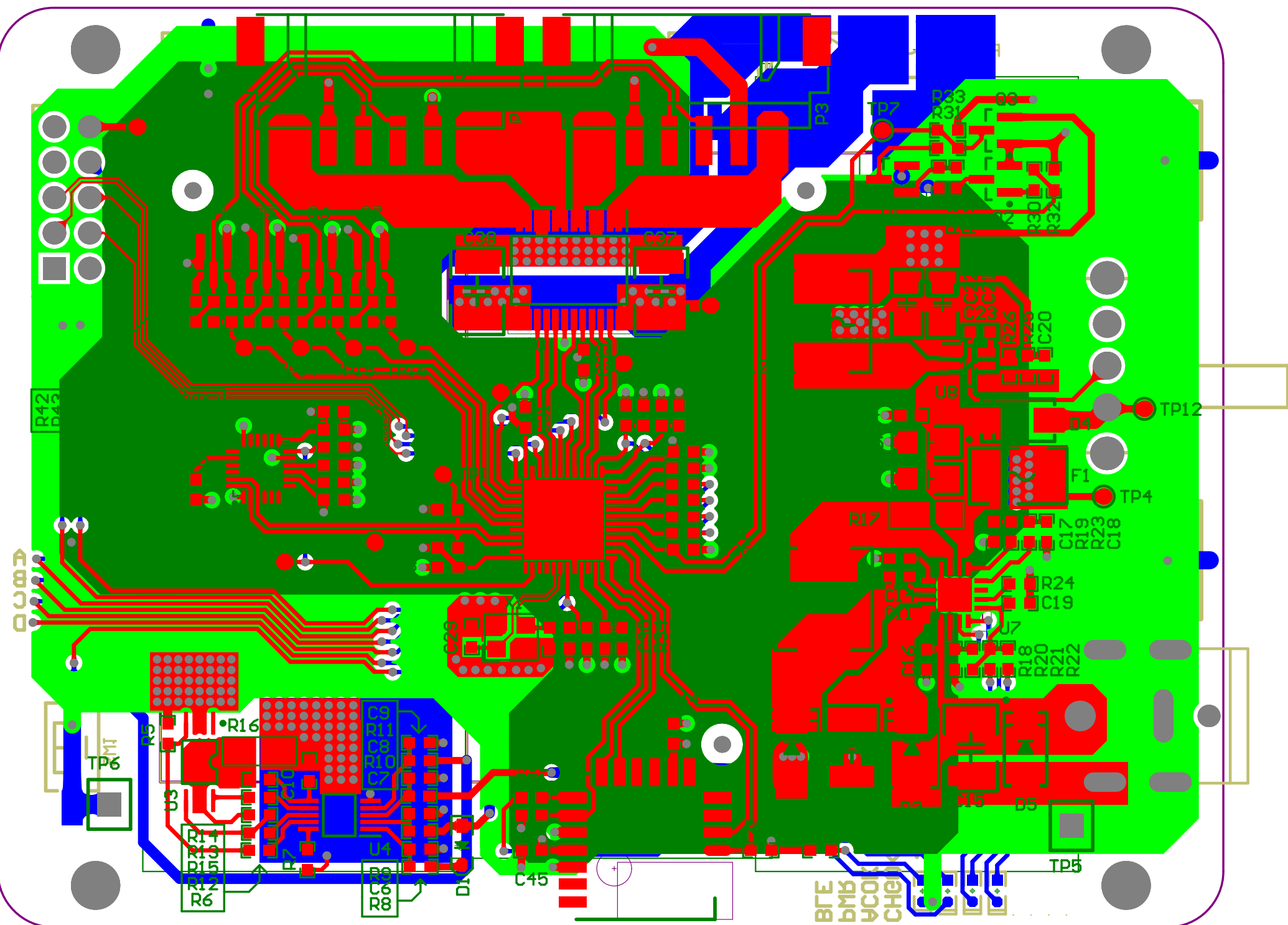




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Title		
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Date:	5/26/2025	Sheet of
File:	D:\Project\...6.mpu6050.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
2.2u	Capacitor, 0603, SMD	C1, C36	CAP_0603_SMD	CAP_0603_SMD	2
0.1u	Capacitor, 0603, SMD	C2, C3, C4, C6, C7, C8, C9, C11, C14, C16, C23, C24, C26, C27, C28, C31, C32, C33, C34, C35	CAP_0603_SMD	CAP_0603_SMD	20
2.2n	Capacitor, 0603, SMD	C5, C17, C18	CAP_0603_SMD	CAP_0603_SMD	3
47n	Capacitor, 0603, SMD	C10	CAP_0603_SMD	CAP_0603_SMD	1
10u	贴片电容	C12, C25	C1206_L	C	2
22u	贴片电容	C13, C15, C37, C38	C1812_L	C	4
1u	Capacitor, 0603, SMD	C19, C39, C40, C41, C42, C43, C44, C45	CAP_0603_SMD	CAP_0603_SMD	8
75p	Capacitor, 0603, SMD	C20	CAP_0603_SMD	CAP_0603_SMD	1
22u	贴片电容	C21, C22	C1206_L	C	2
22p	Capacitor, 0603, SMD	C29, C30	CAP_0603_SMD	CAP_0603_SMD	2
PWR5.5x2.1_HP	DC Socket, 5.5x2.1, High-power	CN1	PWR5.5x2.1_HP	PWR5.5x2.1_HP	1
1N4148	开关二极管	D1	SOD-323	1N4148	1
SS24	肖特基二极管	D2, D3	SMB	SS24	2
TVS	TVS通用	D4, D5	SMA	TVS	2
35V 220uF	贴片电解电容	E1, E2	CE E(8*10.2)	CE_SMD	2
35V 100uF	贴片电解电容	E3, E4, E5	CE D(6.3*7.7)	CE_SMD	3
MSMD200-8V 2A	贴片保险丝	F1, F2	FU 1812	FU	2
4.7u	一体成型电感	L1	L-SMD-0630	L-Molding Choke	1
15uH	一体成型电感	L2	L-SMD-0630	L-Molding Choke	1
红色	贴片LED	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8	LED0603_Y	LED-SMD	8
HDR5x2.2_54	Header, 10-Pin, 2-Row	P1	HDR5x2.2_54	HDR5x2.2_54	1
HDR-1X6	4P接插件	P2, P3	XH2.54-WS-6P	Header 6	2
SS8550	PNP SS8550, -25V -1.5A, SOT-23	Q1	TR_SOT-23	PNP SS8550	1
SS8050	NPN SS8050, 25V 1.5A, SOT-23	Q2	TR_SOT-23	NPN SS8050	1
BAT54S	Dual Schottky Diodes, SOT23	Q3, Q4, Q5, Q6, Q7	TR_SOT-23	BAT54S	5
10K	Resistor, 0603, SMD	R1, R2, R3, R4, R13, R18, R20, R21, R22, R24, R33, R34, R35, R36, R38, R39, R40, R41, R42, R44, R46, R48, R50, R51, R52, R53	RES_0603_SMD	RES_0603_SMD	26
1M2	Resistor, 0603, SMD	R5	RES_0603_SMD	RES_0603_SMD	1
1K	Resistor, 0603, SMD	R6, R12, R27, R29, R30	RES_0603_SMD	RES_0603_SMD	5
ntc	Resistor, 0603, SMD	R7	RES_0603_SMD	RES_0603_SMD	1
2k	Resistor, 0603, SMD	R8, R9, R10, R11	RES_0603_SMD	RES_0603_SMD	4
100	Resistor, 0603, SMD	R14	RES_0603_SMD	RES_0603_SMD	1
10M	Resistor, 0603, SMD	R15	RES_0603_SMD	RES_0603_SMD	1
0	Resistor, 1206, SMD	R16	RES_1206_SMD	RES_1206_SMD	1
0.1	Resistor, 1206, SMD	R17	RES_1206_SMD	RES_1206_SMD	1
750	Resistor, 0603, SMD	R19	RES_0603_SMD	RES_0603_SMD	1
2.5k	Resistor, 0603, SMD	R23	RES_0603_SMD	RES_0603_SMD	1
100k	Resistor, 0603, SMD	R25	RES_0603_SMD	RES_0603_SMD	1
22k	Resistor, 0603, SMD	R26	RES_0603_SMD	RES_0603_SMD	1
1M	Resistor, 0603, SMD	R28	RES_0603_SMD	RES_0603_SMD	1
33k	Resistor, 0603, SMD	R31	RES_0603_SMD	RES_0603_SMD	1
15k	Resistor, 0603, SMD	R32	RES_0603_SMD	RES_0603_SMD	1
22	Resistor, 0603, SMD	R37, R43, R45, R47, R49	RES_0603_SMD	RES_0603_SMD	5
SS-12F23	1路波动开关	S1	SS-12F23	SSW-1P	1
3x6x5	微动开关	SW1	SW SMD-3*6*4.3	SW-PB	1
SW-2P	2路编码开关	SW2	SW1.27 SMD-2P	SW-2P	1
TEST	测试点	TP1, TP2, TP3, TP4, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16	TEST 1.2	TEST	14
TEST TP	测试环	TP5, TP6	TEST TP1_4_BK	TEST TP	2
MPU-6050 QFN-24	Triple Axis Accelerometer and Gyro	U1	IC_QFN-24_4x4_NoExposedPad	MPU-6050 QFN24 4x4	1
1096	Undefined or Miscellaneous	U2, U5, U6	1096	1096	3
FS8205A TSSOP-8	Dual N-Channel Enhancement Mode Power MOSFET	U3	IC_TSSOP-8	FS8205A TSSOP-8	1
PT6303	Integrated Circuit	U4	SOP50P490X110-10N	PT6303	1
MP26123DR-LF-Z	Integrated Circuit	U7	QFN65P400X400X100-17N-D	MP26123DR-LF-Z	1
TPS54202DDCR	Power Supply	U8	SOT95P280X110-6N	TPS54202DDCR	1
STM32F401CCU6	Integrated Circuit	U9	QFN50P700X700X60-49N-D	STM32F401CCU6	1
TB6612FNG_O_EL_	Integrated Circuit	U10	SOP65P760X160-24N	TB6612FNG_O_EL_	1
WH-BLE103		U11	PCBComponent_1	WH-BLE103	1
8M	4脚无源晶振	X1	OSC 3225-4P	XTAL-4P	1