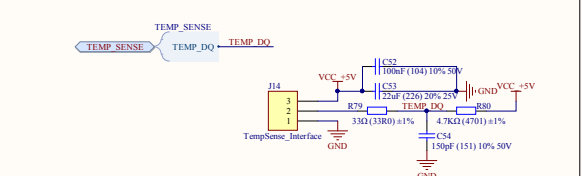
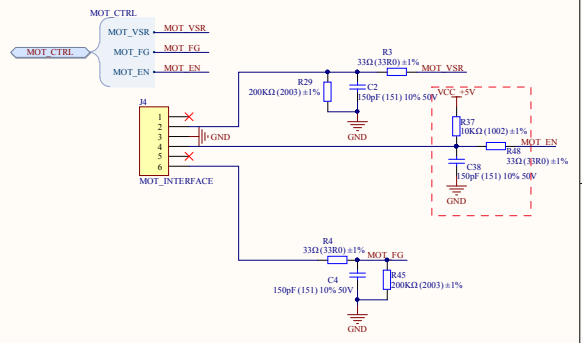
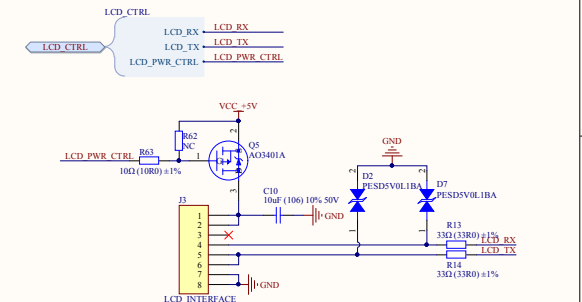
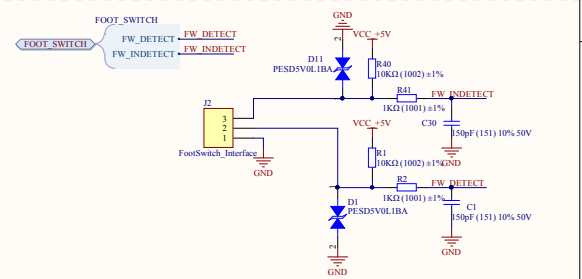
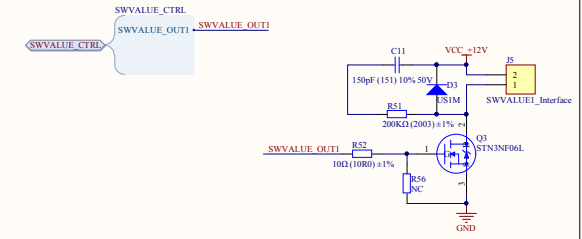
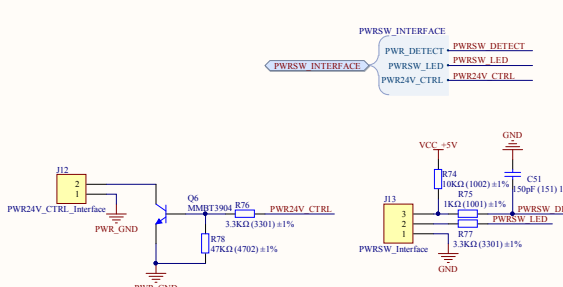
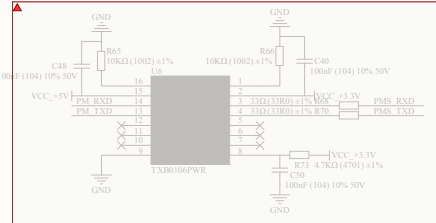
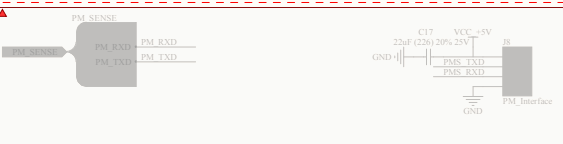
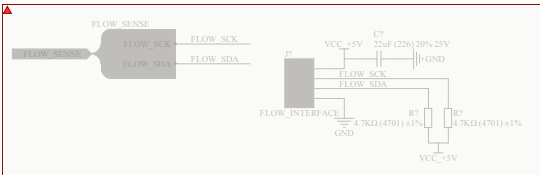
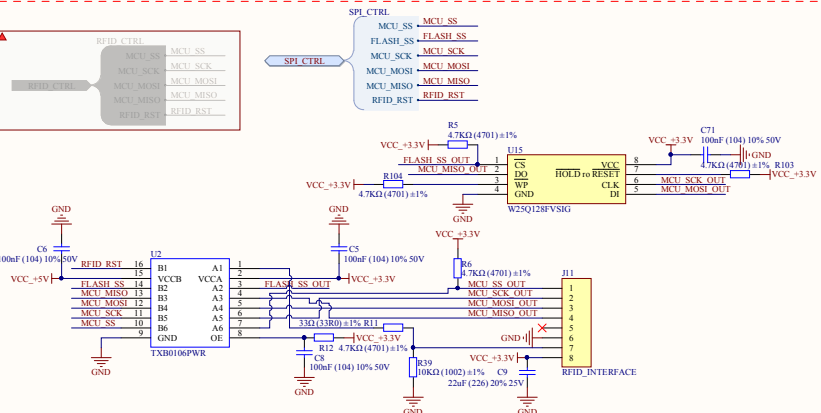
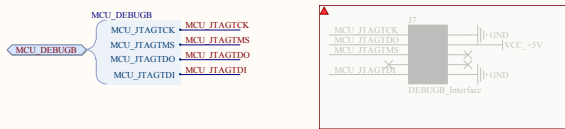


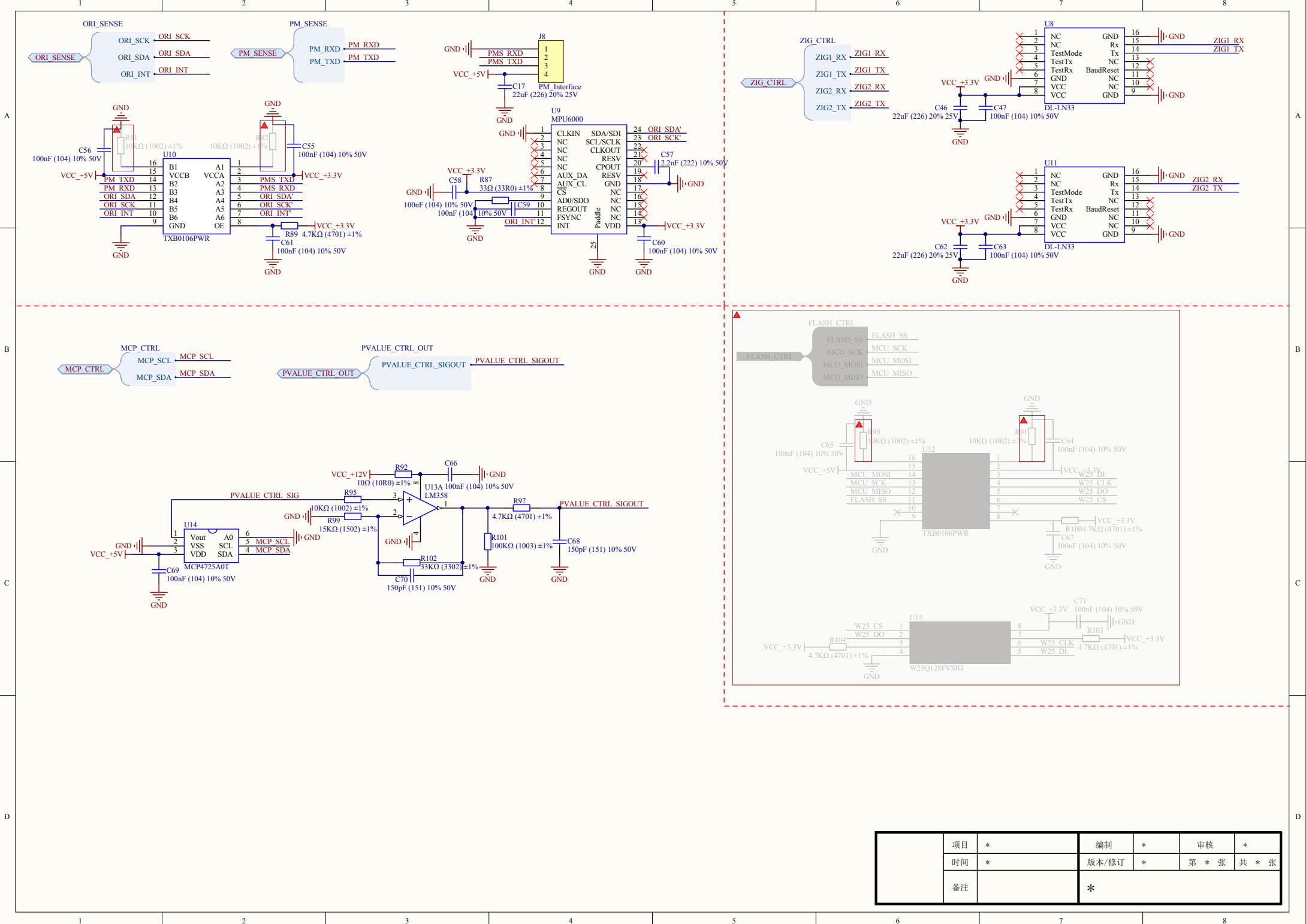
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A	<h1>JS-1813-MCU-V10</h1>																											
B	<div><div></div><h2>Schematic Index:</h2><div></div></div>				<table><tr><th>Revision History</th><th>Date</th><th>Change</th><th>Engineer</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				Revision History	Date	Change	Engineer																
Revision History	Date	Change	Engineer																									
C	<div><div></div><h2>Layer Stackup</h2><div></div></div>																											
D																												
	1	2	3	4	5	6	7	8																				

	项目	JS-Y1813-MCU-V10	编制	*	审核	*
	时间	2019.06.04	版本/修订	V1.0	第 1 张	共 * 张
	备注	*				

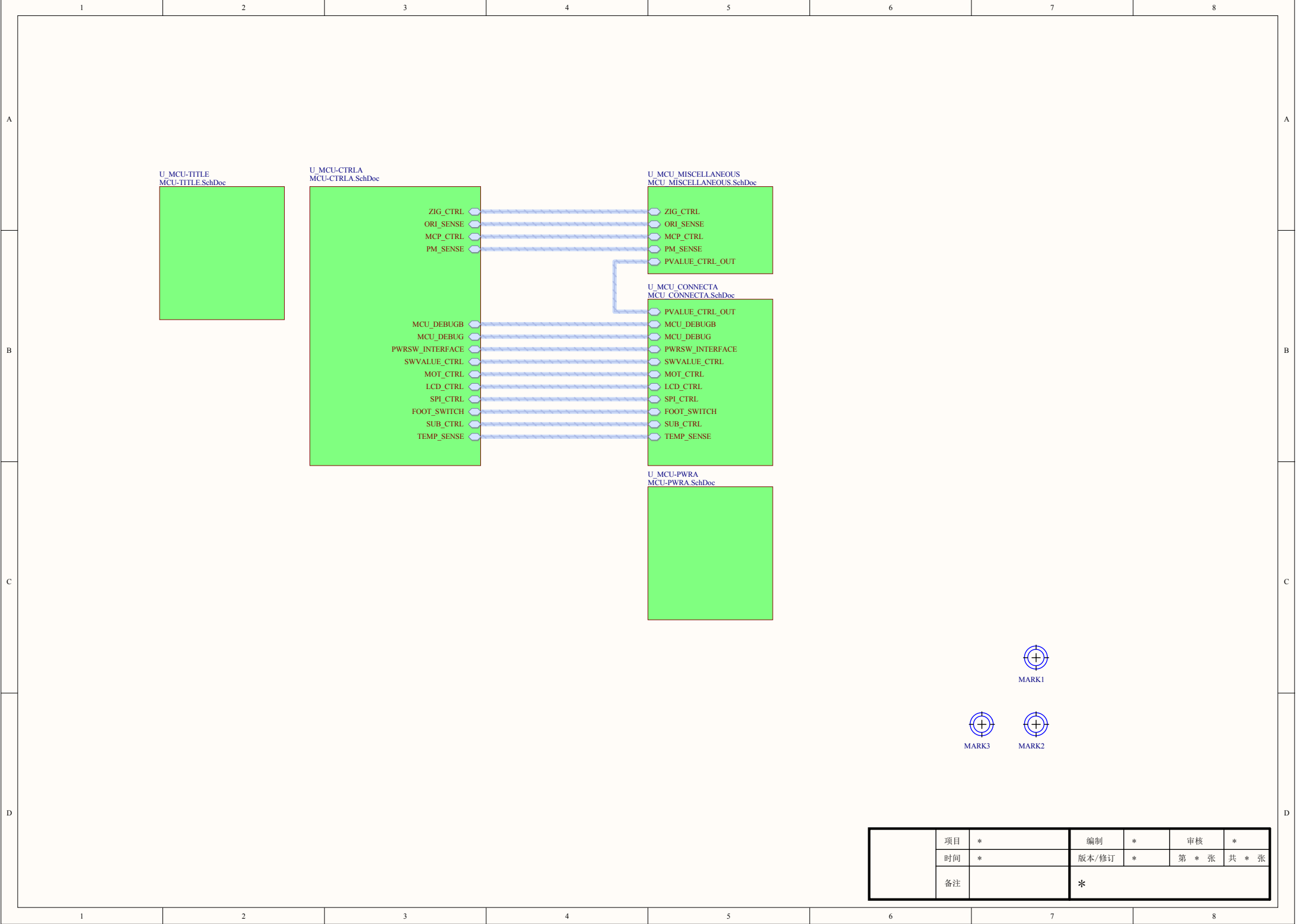
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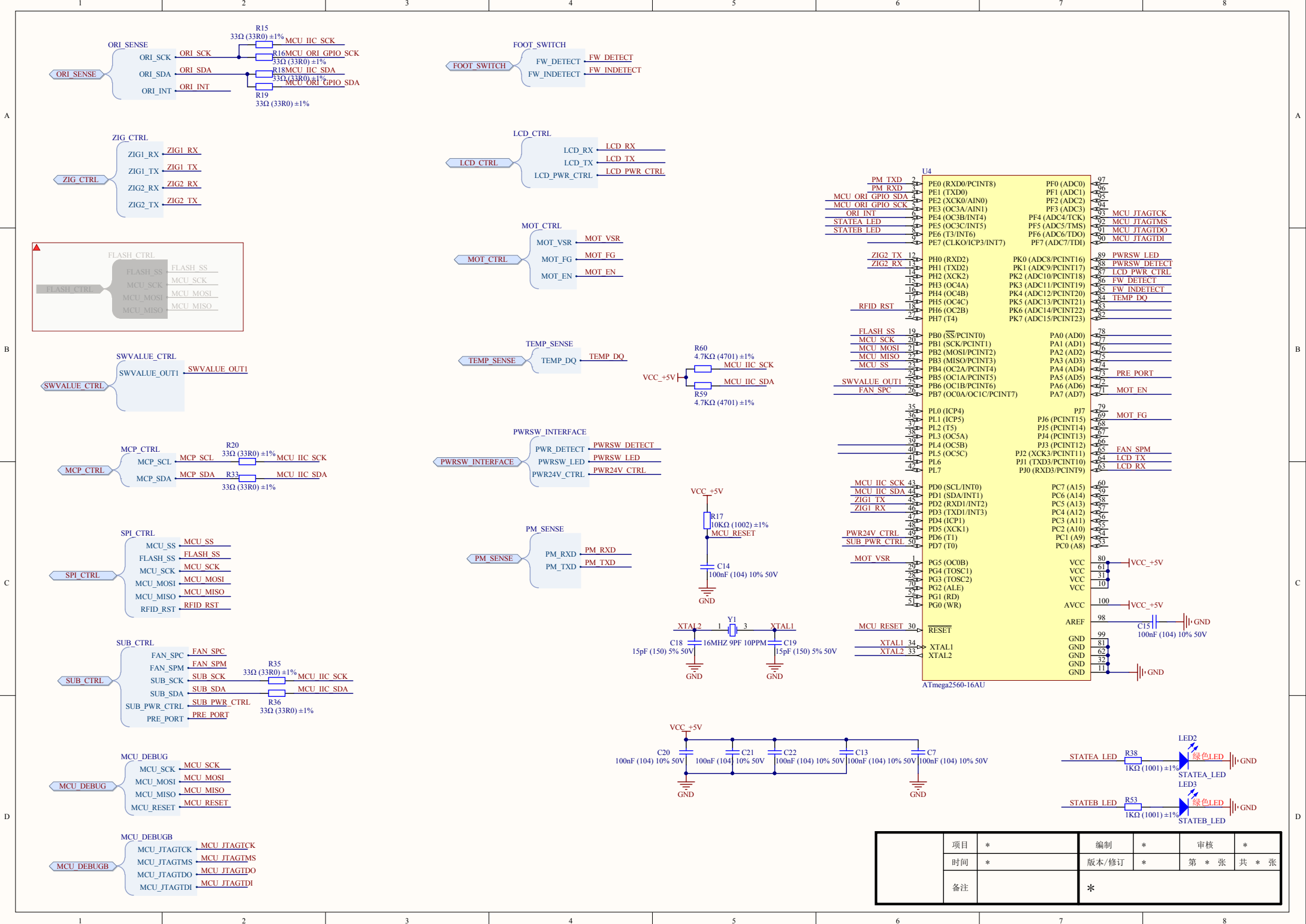
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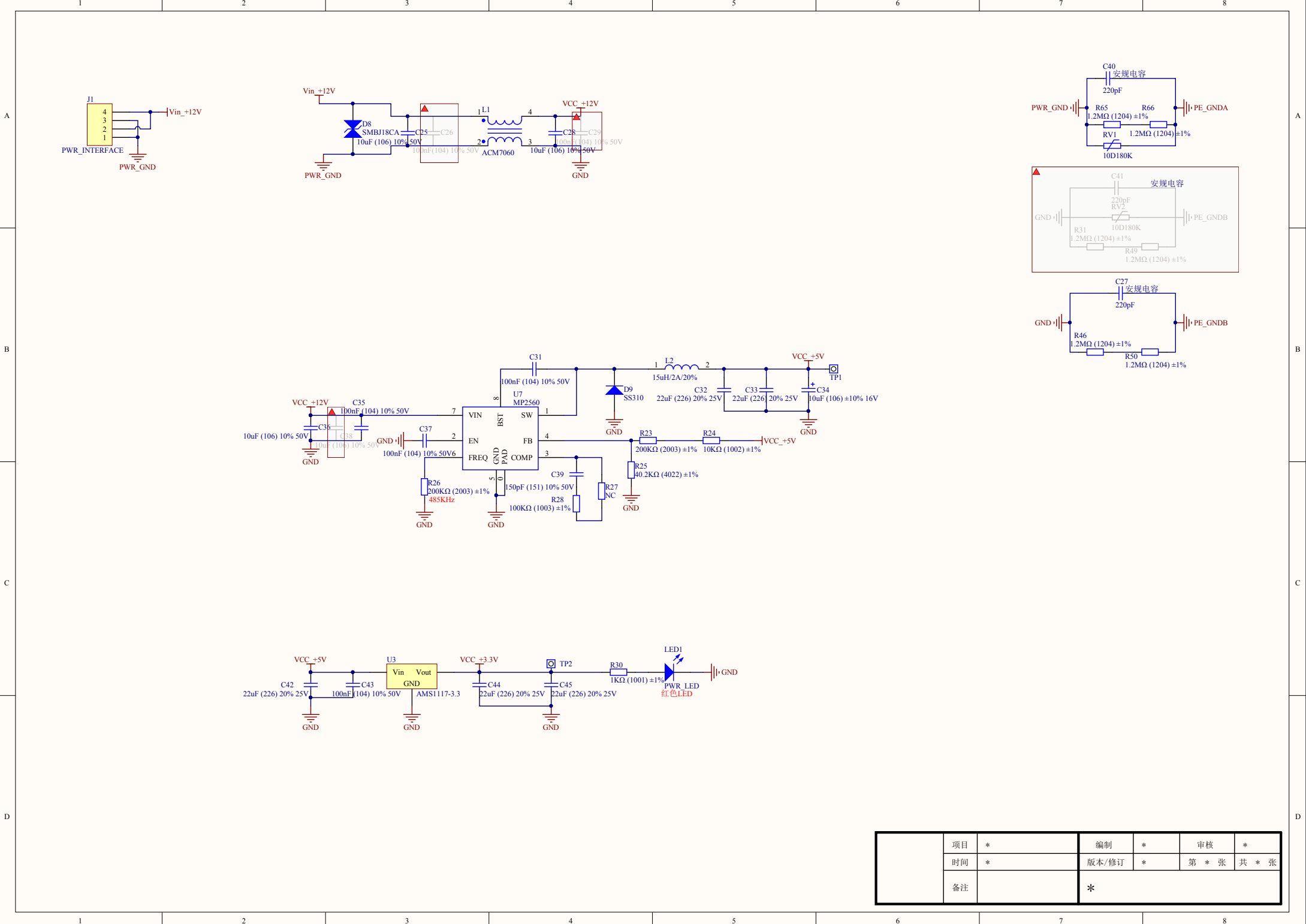
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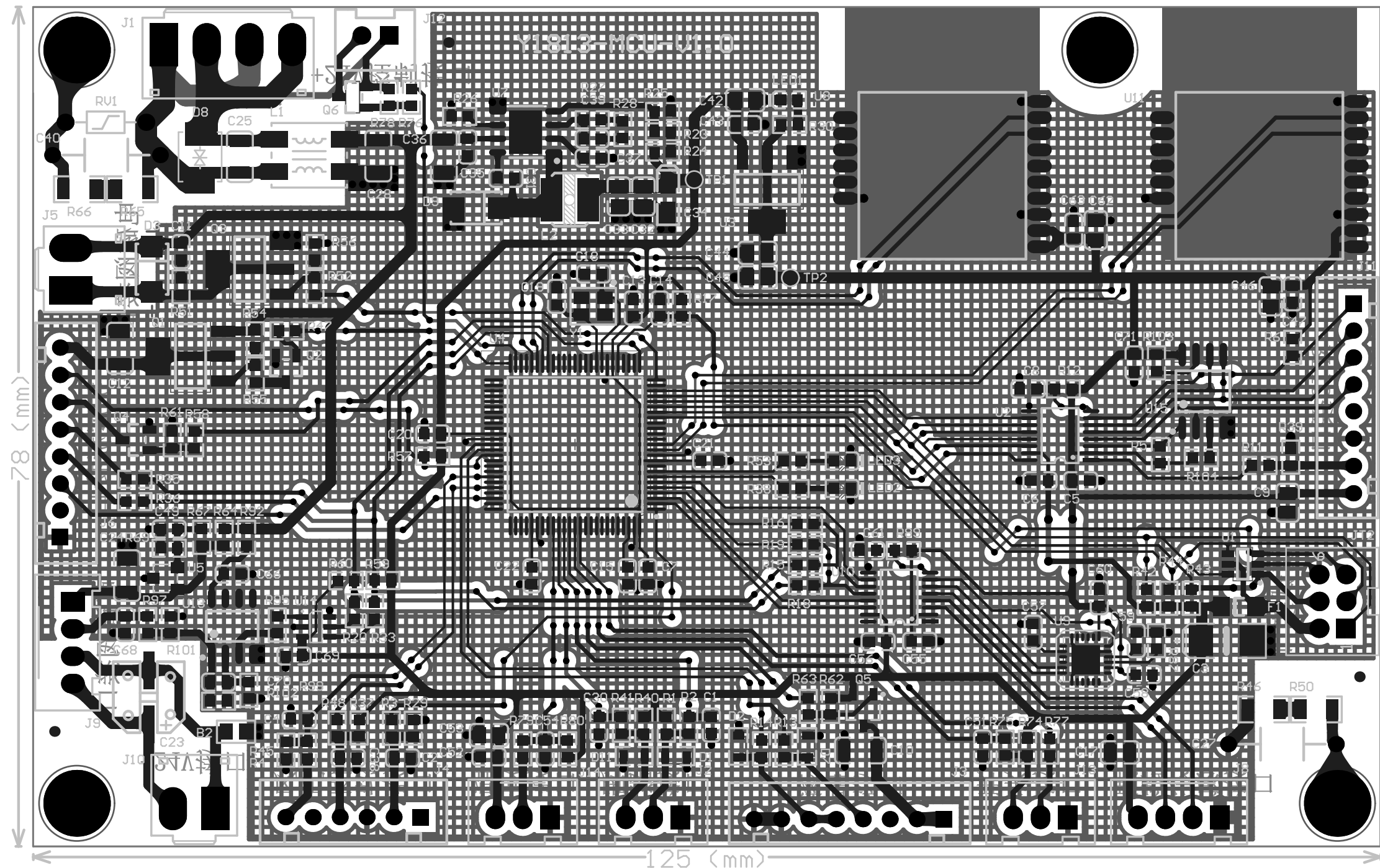
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	项目	*		编制	*	审核	*
	时间	*		版本/修订	*	第 * 张	共 * 张
	备注			*			



	项目	*	编制	*	审核	*
	时间	*	版本/修订	*	第 * 张	共 * 张
	备注	*				



Comment	Description	Designator	Footprint	LibRef	Quantity
60R	Bead,1400mA	B2	LC-0805_L	Bead	1
150pF (151) 10% 50V	贴片电容	C1, C2, C4, C11, C30, C38, C39, C51, C54, C58, C70	LC-0603_C	0603 150pF (151) 10% 50V	11
100uF/16V	有极性电容	C3	RCCT-6032C	Cap_polar	1
100nF (104) 10% 50V	贴片电容	C5, C6, C7, C8, C13, C14, C15, C20, C21, C22, C31, C35, C37, C43, C47, C52, C55, C56, C58, C59, C60, C61, C63, C66, C69, C71	LC-0603_C	0603 100nF (104) 10% 50V	26
22uF (226) 20% 25V	贴片电容	C9, C17, C32, C33, C42, C44, C45, C46, C53, C62	LC-0805_C	0805 22uF (226) 20% 25V	10
10uF (106) 10% 50V	贴片电容	C10, C12, C24, C25, C28, C36	LC-1206_C	1206 10uF (106) 10% 30V	6
15pF (150) 5% 50V	贴片电容	C18, C19	LC-0603_C	0603 15pF (150) 5% 50V	2
47uF 20% 50V	有极性电容	C23	RCC-AL-EC-6.3*7.7-TH	Cap_polar	1
220pF	无极性电容	C27, C40	RCC-DE1B3-ANGUI	Cap_Nonpolar	2
10uF (106) ±10% 16V	钽电容	C34	LC-CASE-A_3216	3216 10uF (106) 10% 16V	1
NC	贴片电容	C49	LC-0603_C	0603 150pF (151) 10% 30V	1
2.2nF (222) 10% 50V	贴片电容	C57	LC-0603_C	0603 2.2nF (222) 10% 30V	1
PESD5VOL18A	TVS	D1, D2, D7, D11	RCD-SOD323-N	TVS Diode	4
US1M	二极管	D3	LC-SMA(DO-214AC)_S1	SMA(DO-214AC) US1M	1
SMBJ18CA	Bidirectional Diode	D8	RCD-DO-214AAC-D	Bidirectional Diode	1
5S310	二极管	D9	LC-SMA(DO-214AC)_S1	SMA(DO-214AC) 5S310	1
1206L110TH	fuse	F1	RCF1206TH	FUSE	1
PWR_INTERFACE	Header, 4-Pin	J1	RCI3.96-4CA	Header 4	1
FootSwitch_Interface	3 Pin 插件件	J2	RCI2.5-3CA	JCI-1-3	1
LCD_INTERFACE	Header, 8-Pin	J3	RCI-XH2.54-8P	Header 8	1
MOT_INTERFACE	Header, 6-Pin	J4	RCI-XH2.54-6P	Header 6	1
SWVALUE1_Interface	Header, 2-Pin	J5	RCI3.96-2CA	Header 2	1
SUB_INTERFACE	Header, 8-Pin	J6	RCI-XH2.54-8P	Header 8	1
PM_Interface		J8	RCI2.5-4CA	SWD_PORT	1
PVALUE_INTERFACE		J9	RCI2.5-4CA	SWD_PORT	1
PWR24V_Interface	Header, 2-Pin	J10	RCI3.96-2CA	Header 2	1
RFID_INTERFACE	Header, 8-Pin	J11	RCI-XH2.54-8P	Header 8	1
PWR24V_CTRL_Interface	Header, 2-Pin	J12	RCI-XH2.54-2P	Header 2	1
PWRSW_Interface	3 Pin 插件件	J13	RCI2.5-3CA	JCI-1-3	1
TempSense_Interface	3 Pin 插件件	J14	RCI2.5-3CA	JCI-1-3	1
SWD_PORT_2.54*3*2	MCU Debug Port 6 Pin for Atmega MCU	JT2	RCI2.5-2X3CA	SWD_PORT_2.54*3*2	1
ACM7060	共模滤波器，电源线用，最大电流可达5A	L1	ACM7060	ACM7060	1
15uH/2A/20%	Inductor	L2	RCL-040402-2TH	Inductor_Single_Lead_In	1
PWR_LED		LED1	LC-0603_LED_S1	LEDA	1
STATEA_LED		LED2	LC-0603_LED_S1	LEDA	1
STATEB_LED		LED3	LC-0603_LED_S1	LEDA	1
MARK		MARK1, MARK2, MARK3	RCTOOL_MARK	MARK	3
UT9435HG-AA3-R	PMOS	Q1	LC-SOT-223	PMOS—SOT223	1
MMBT3904	三极管	Q2, Q4, Q6	LC-SOT-23(SOT-23-3)	SOT-23 5S8050 Y1	3
STN3NF06L		Q3	LC-SOT-223	NMOS	1
AO3401A	PMOS	Q5	LC-SOT-23-3L	PMOS—SOT23	1
10KΩ (1002) ±1%	贴片电阻	R1, R17, R24, R37, R39, R40, R74, R95	LC-0603_R	0603 10KΩ (1002) 1%	8
1KΩ (1001) ±1%	贴片电阻	R2, R30, R38, R41, R53, R75	LC-0603_R	0603 1KΩ (1001) 1%	6
33Ω (33R0) ±1%	贴片电阻	R3, R4, R11, R13, R14, R15, R16, R18, R19, R20, R33, R35, R36, R48, R79, R87	LC-0603_R	0603 33Ω (33R0) 1%	16
4.7KΩ (4701) ±1%	贴片电阻	R5, R6, R12, R42, R43, R44, R57, R59, R60, R80, R89, R97, R103, R104	LC-0603_R	0603 4.7KΩ (4701) 1%	14
200KΩ (2003) ±1%	贴片电阻	R23, R26, R29, R45, R51	LC-0603_R	0603 200KΩ (2003) 1%	5
40.2KΩ (4022) ±1%	贴片电阻	R25	LC-0603_R	0603 40.2KΩ (4022) 1%	1
NC	贴片电阻	R27, R56, R62	LC-0603_R	0603 100KΩ (1003) 1%	3
100KΩ (1003) ±1%	贴片电阻	R28, R69, R101	LC-0603_R	0603 100KΩ (1003) 1%	3
1.2MΩ (1204) ±1%	贴片电阻	R46, R50, R65, R66	LC-1206_R	1206 1.2MΩ (1204) 1%	4
3.3KΩ (3301) ±1%	贴片电阻	R47, R58, R76, R77	LC-0603_R	0603 3.3KΩ (3301) 1%	4
10Ω (10R0) ±1%	贴片电阻	R52, R63, R92	LC-0603_R	0603 10Ω (10R0) 1%	3
47KΩ (4702) ±1%	贴片电阻	R54, R61, R78	LC-0603_R	0603 47KΩ (4702) 1%	3
33KΩ (3302) ±1%	贴片电阻	R55, R102	LC-0603_R	0603 33KΩ (3302) 1%	2
100Ω (1000) ±1%	贴片电阻	R64	LC-0603_R	0603 100Ω (1000) 1%	1
300KΩ (3003) ±1%	贴片电阻	R67	LC-0603_R	0603 300KΩ (3003) 1%	1
15KΩ (1502) ±1%	贴片电阻	R99	LC-0603_R	0603 15KΩ (1502) 1%	1
10D180K	压敏电阻 浪涌抑制	RV1	RCRV-10DXXXX	RV	1
Test Point	Test Point	TP1, TP2	RCTOOL-TPB	TP Point	2
SRV05-4-P-T7	TVS	U1	LC-SOT-23-6	SRV05-4-P-T7	1
TXB0106PWR	Octal D type transparent latch	U2, U10	RCIC-TSSOP16	TXB0106	2
AMS1117-3.3	低压线性稳压器(LDO)	U3	LC-SOT-223	SOT-223 AMS1117-3.3	1
Atmega2560-16AU	8-bit AVR Microcontroller, 4.5-5.5V, 16MHz, 256KB Flash, 4KB EEPROM, 8KB SRAM, 86 GPIO pins, 100-pin TQFP, Industrial Grade (-40°C to 85°C), Pb-Free	U4	100A_N	Atmega2560-16AU	1
TL431IDBZR	Voltage Precise	U5	RC-SOT-23	TL431	1
MP2560	DC-DC Step Down	U7	LC-SOIC-8_EP_150mil	MP2560	1
DL-LN33	ZigBee 2.4G Multi-hop & dHos WSN Modules	U8, U11	RCM-DL-LN33	DL-LN3X	2
MPU6000		U9	RCIC-QFN24	MPU60X0	1
LM358	Common AMPLIFIER	U13	LC-SOIC-8_150mil	LM358	1
MCP4725A0T	DC-DC电源模块	U14	RCIC-SOT-23-6	MCP4725	1
W25Q128FVSG	Flash ROM	U15	LC-SOIC-8_208mil	W25Q128FVSG	1
16MHZ 9PF 10PPM	贴片晶振	Y1	LC-SMD-3225_4P	SMD-3225_4P 16MHZ 9P	1