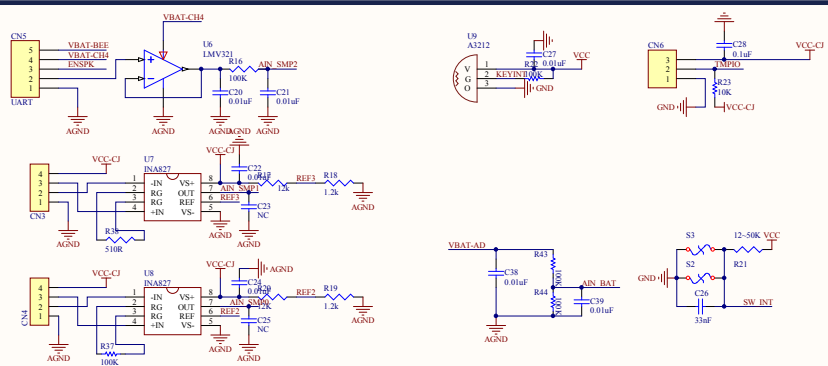
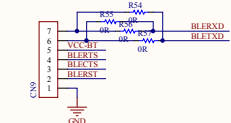
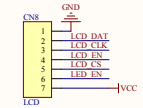
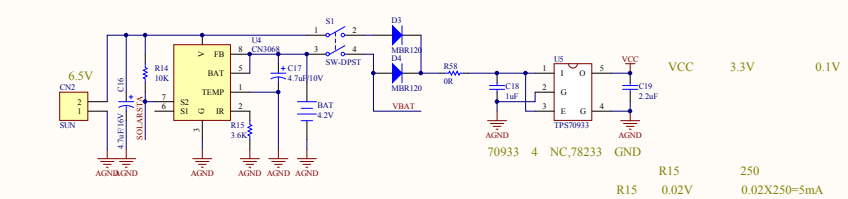
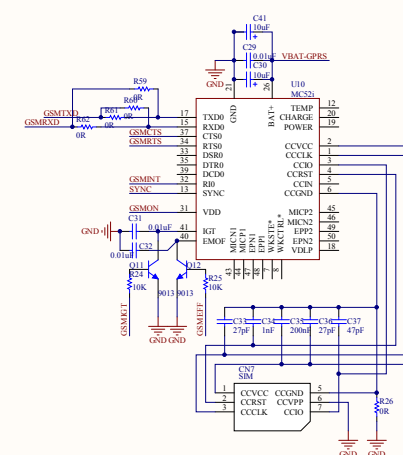
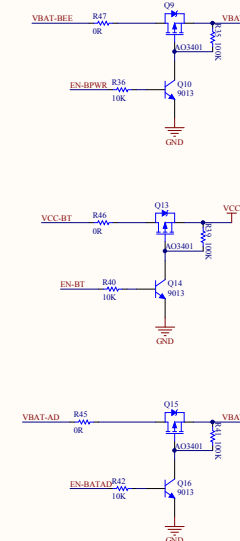
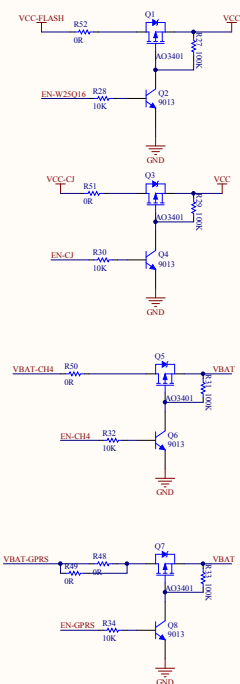
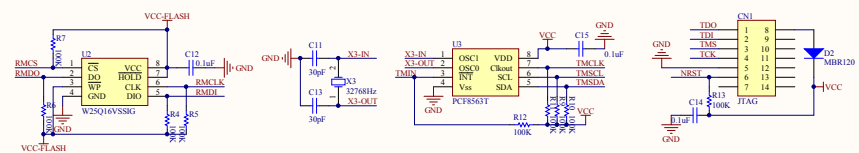
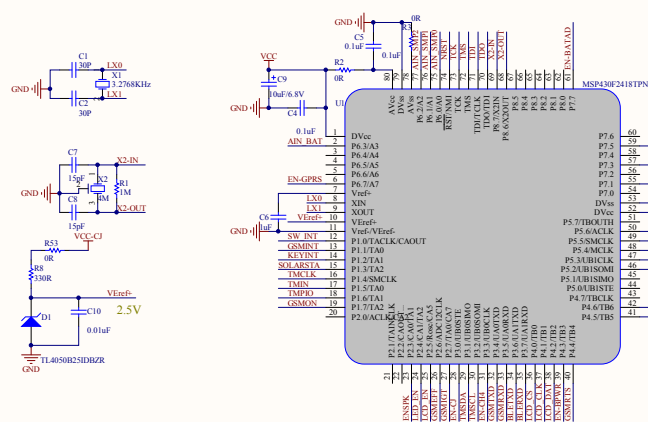


Comment	Description	Designator	Footprint	LibRef	Quantity
4.2V	2-Cell	BAT	CN-SIP2	BATTERY-4.2	1
0.01uF		C1, C20, C21, C22, C24, C27	0603	CAP-0603	6
30P	Capacitor	C2	0603-改	Cap	1
0.1uF	Capacitor	C4, C5, C12, C14, C15, C40	0603-改	Cap	6
1uF	Capacitor	C6, C18	0603-改	Cap	2
15pF	Capacitor	C7, C8	0603-改	Cap	2
10uF	Polarized Capacitor (Axial)	C9, C30, C41	1210C	Cap Pol2	3
0.01uF	Capacitor	C10, C29, C31, C32, C38, C39	0603-改	Cap	6
30pF	Capacitor	C11, C13	0603-改	Cap	2
4.7uF/16V		C16	1210C	CAP-1210	1
4.7uF/10V		C17	0805POLAR	CAP-1210	1
2.2uF	Capacitor	C19	0603-改	Cap	1
NC		C23, C25	0603	CAP-0603	2
33nF		C26	0603	CAP-0603	1
0.1uF		C28	0603	CAP-0603	1
27pF	Capacitor	C33, C36	0603-改	Cap	2
1nF	Capacitor	C34	0603-改	Cap	1
200nF	Capacitor	C35	0603-改	Cap	1
47pF	Capacitor	C37	0603-改	Cap	1
Header 7X2A		CN1	IDC2.0-8	Header 7X2A	1
SUN	Header, 2-Pin	CN2	CN-SIP2-2.54	Header 2	1
CN4		CN3, CN4	CN-SIP4-2.54	CN4	2
UART	Header, 5-Pin	CN5	CN-SIP-5-2.54	Header 5	1
Header 3	Header, 3-Pin	CN6	CN-SIP3	Header 3	1
SIM		CN7	SIM-6	SIM	1
CN7		CN8	CN-SIP7-2.0	CN7	1
	Header, 7-Pin	CN9	CN-SIP7-2.0	Header 7	1
MBR130/MBAR120	Default Diode	D1	MBR130	Diode	1
MBR120	Default Diode	D2	MBR130	Diode	1
MBR120	Default Diode	D3, D4	MBR120	Diode	2
		L1	TMB-09-A	BUZZER	1
9013	NPN Bipolar Transistor	Q1	SOT-23	9013	1
9013	9013	Q2, Q4, Q6, Q8, Q10, Q11, Q12, Q14, Q16	SOT-23-3	NPN	9
AO3401	P-Channel Power MOSFET	Q3, Q5, Q7, Q9, Q13, Q15	SOT-23-3	PMOS-2	6
	Semiconductor Resistor	R1, R2, R3, R4, R5, R6, R7, R14, R22	0603	Res Semi	9
330R	Resistor	R8	0603-改	Res1	1
100K	Resistor	R9, R10, R11, R12, R13, R16, R27, R29, R31, R33, R35, R37, R39, R41, R43, R44	0603-改	Res1, RES1-0805	16
3.6K	Semiconductor Resistor	R15	0603-改	Res Semi	1
12k		R17, R20	0603	RES1-0805	2
1.2k		R18, R19	0603	RES1-0805	2
12~50K		R21	0603	RES1-0805	1
10K	Resistor	R23	0603	Res	1
10K	Resistor	R24, R25, R28, R30, R32, R34, R36, R40, R42	0603-改	Res1	9
0R	Resistor	R26, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68	0603-改	Res1	25
510R		R38	0603	RES1-0805	1
SW-DPST	Double-Pole, Single-Throw Switch	S1	LBKEY	SW-DPST	1
	Thermal Fuse	S2, S3	HDX-2	Fuse Thermal	2
LMV321	FET Operational Amplifier	U1	S-PQFP-G80	MCP6001-P1	1
TGS6812		U2	SOIC-8 - duplicate	TGS6812	1
PCF8563		U3	SO8-wzc	PCF8563	1
CN3068		U4	SOP-8	CN3068	1
TPS70933		U5	SOT-23-5	TPS78233	1
LMV321	FET Operational Amplifier	U6	SOT-23-5	MCP6001-P1	1
INA827		U7, U8	MSOP-8	INA827	2
HUOER		U9	SOT-23W	A3212	1
MC52i		U10	MC52i	MC52i	1
3.2768KHz	Crystal Oscillator	X1	CM-415	XTAL	1
4M	Crystal Oscillator	X2	4M-村田	XTAL	1
XTAL	Crystal Oscillator	X3	CM-415	XTAL	1