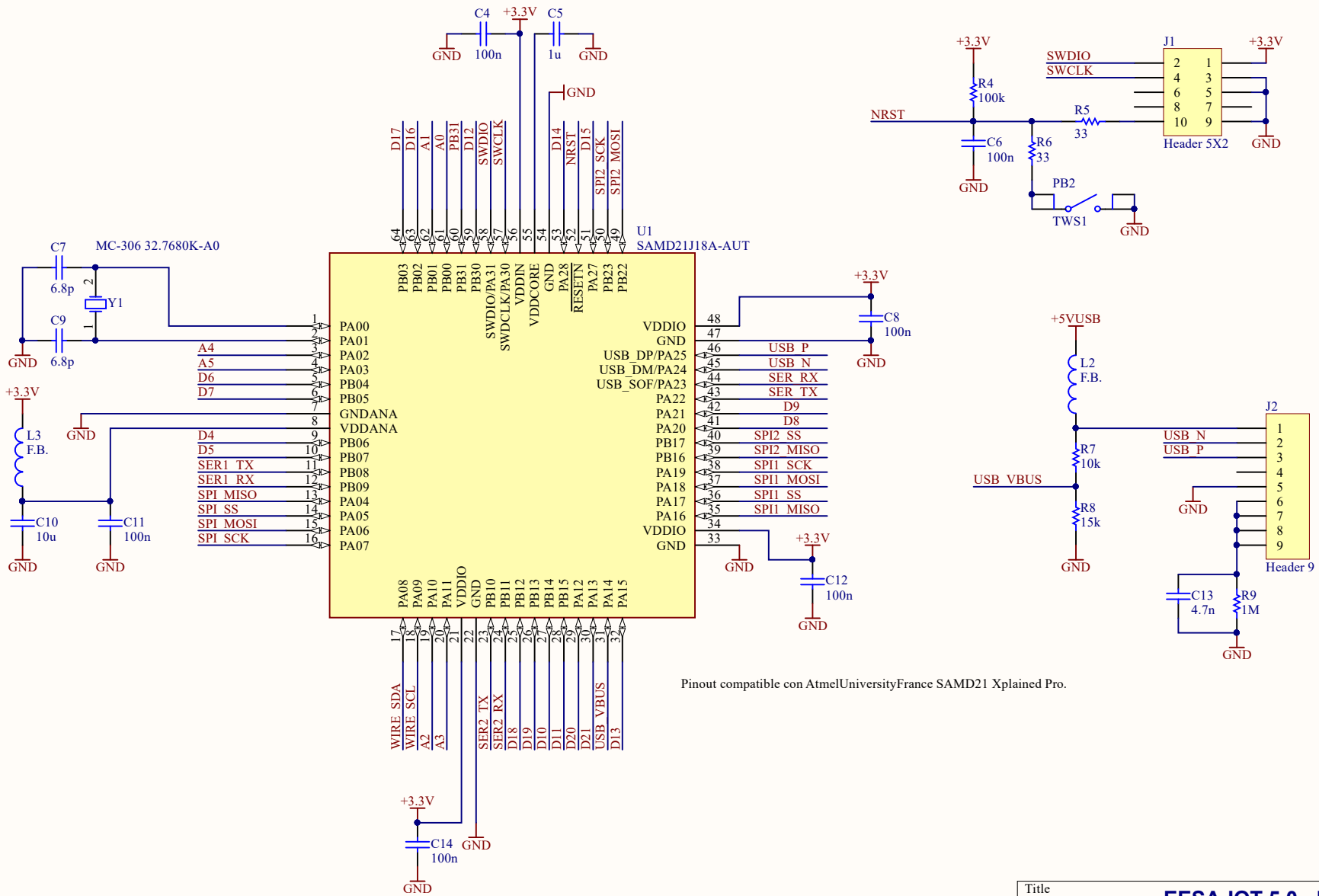
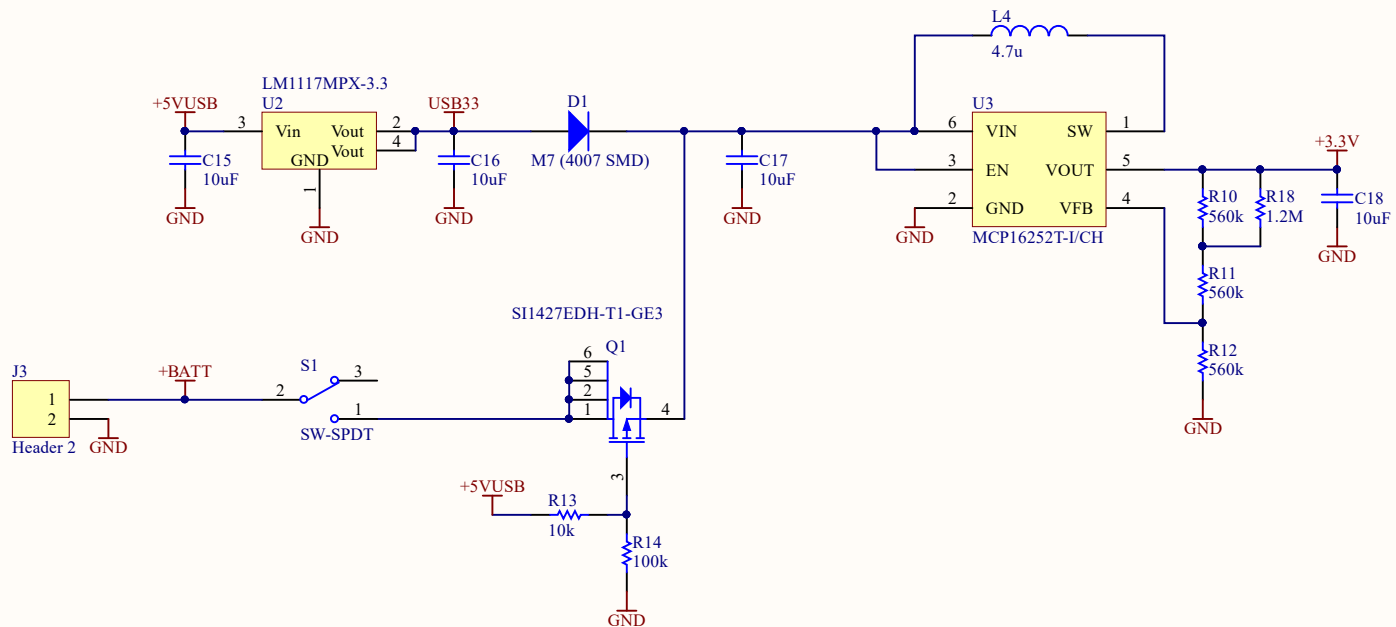


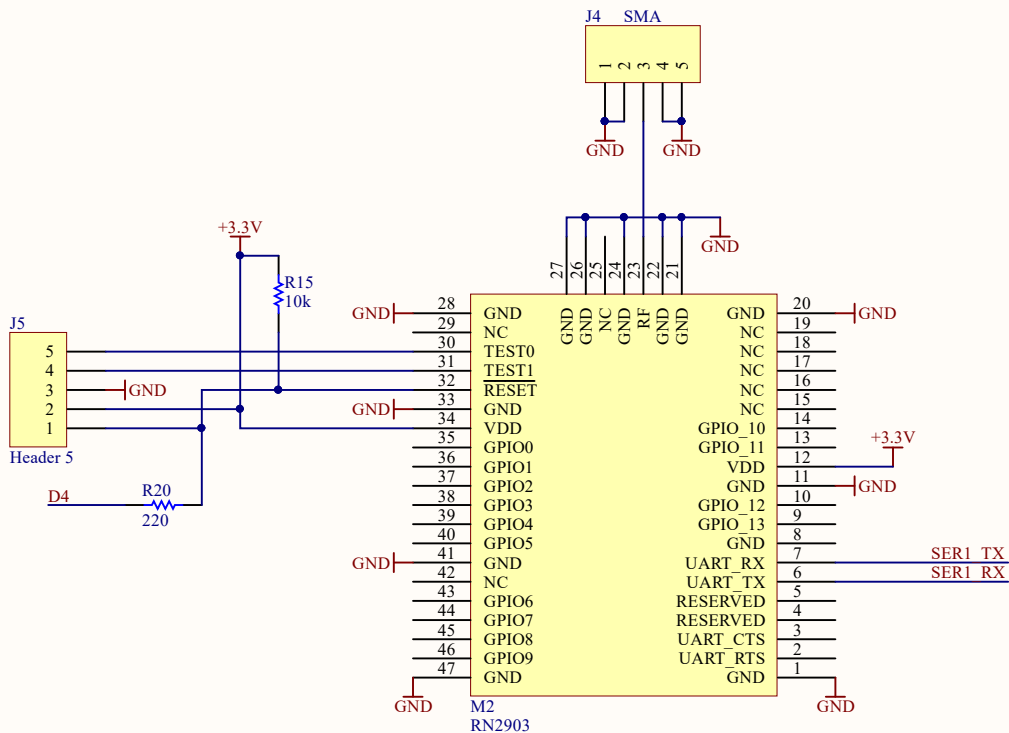
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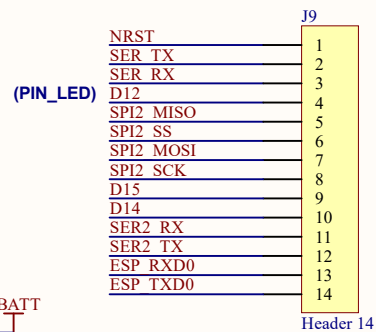
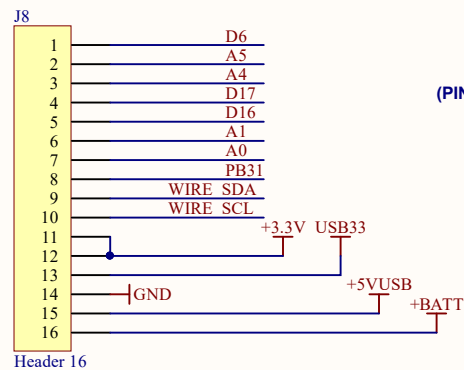
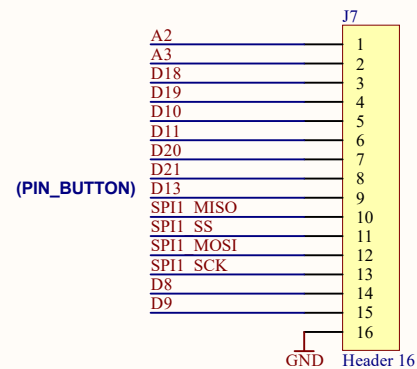
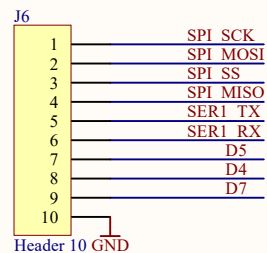
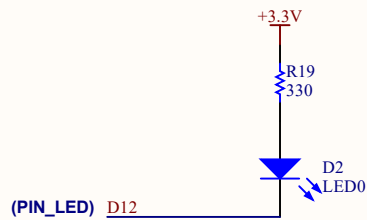
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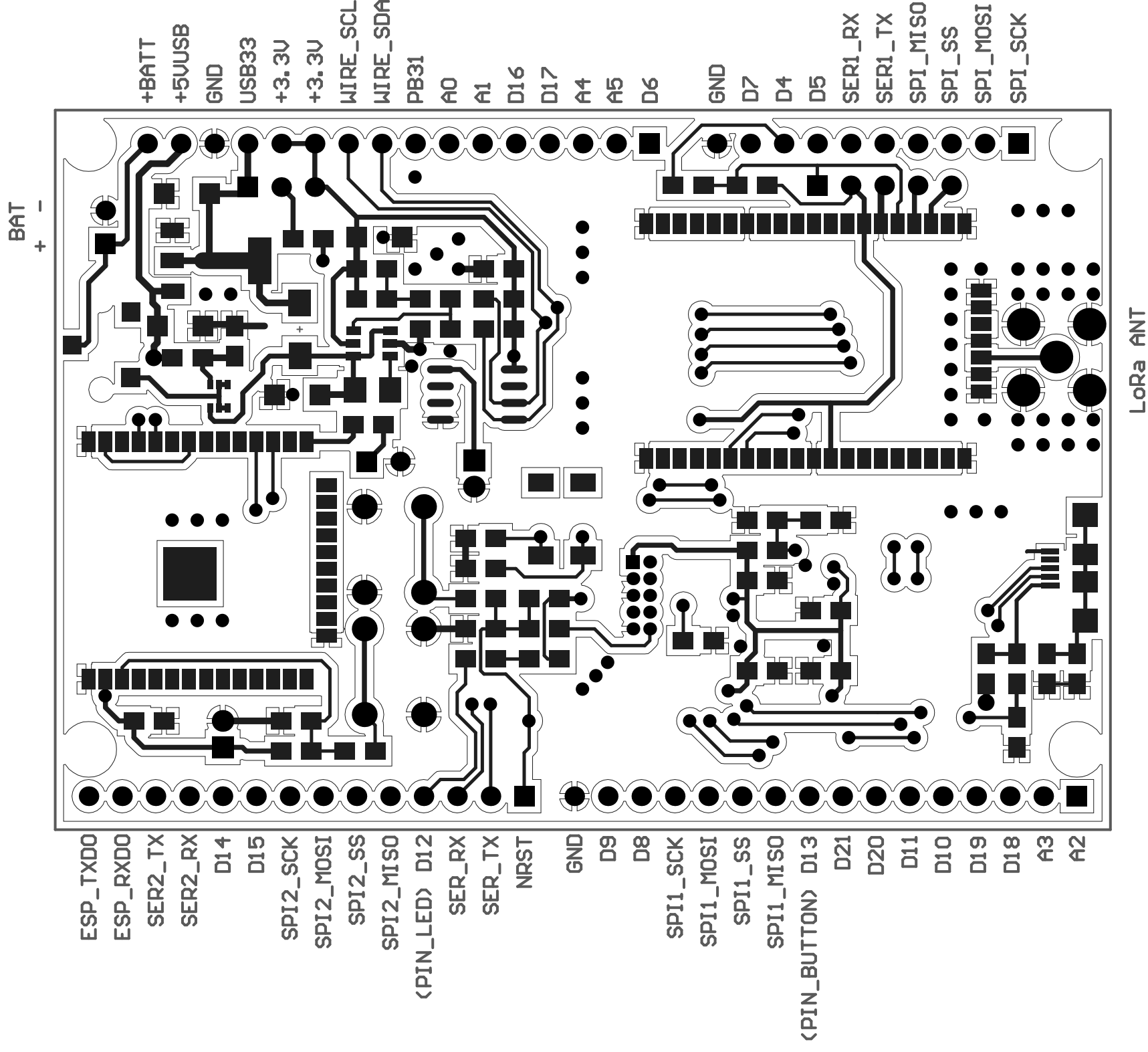
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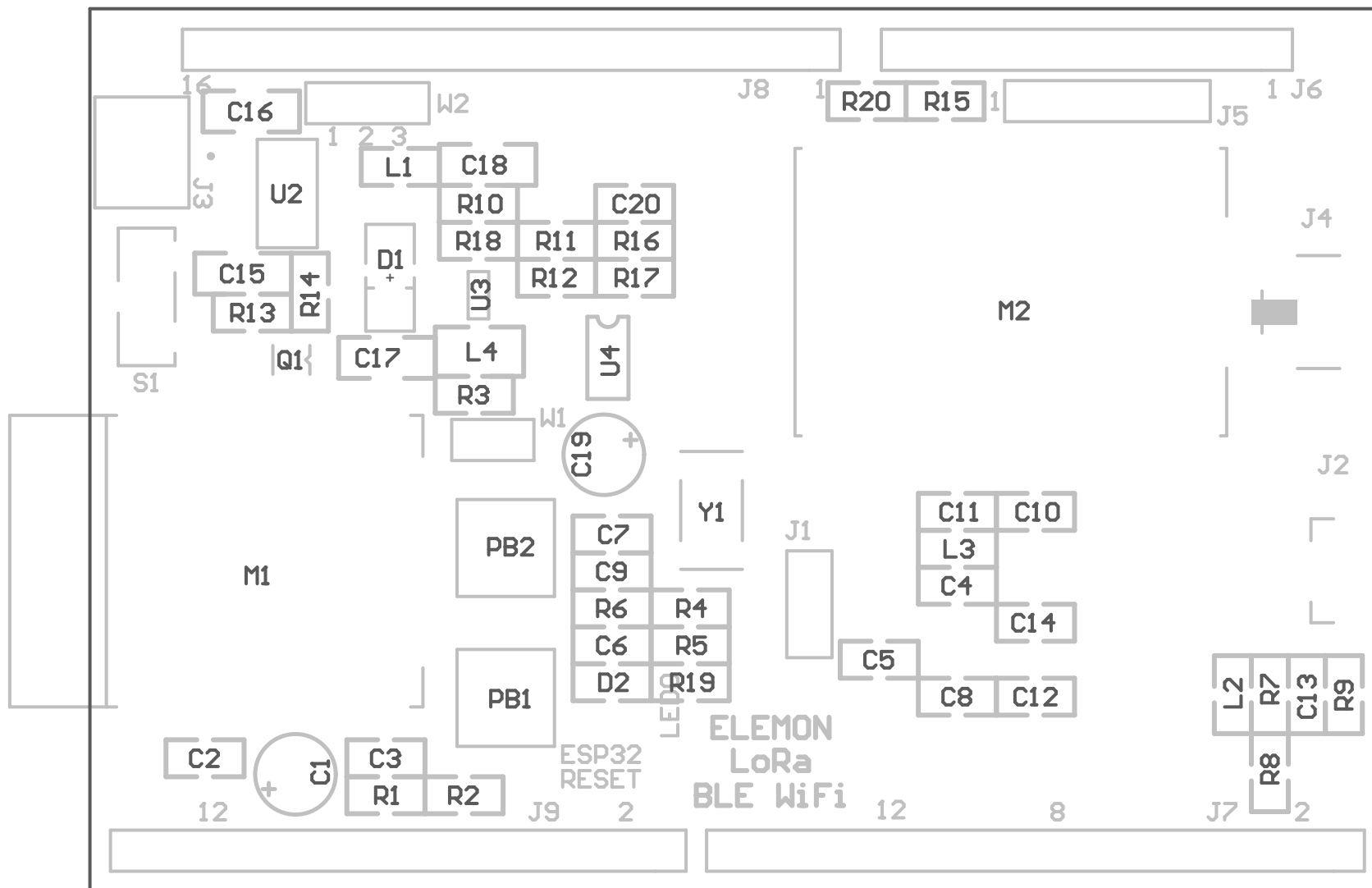
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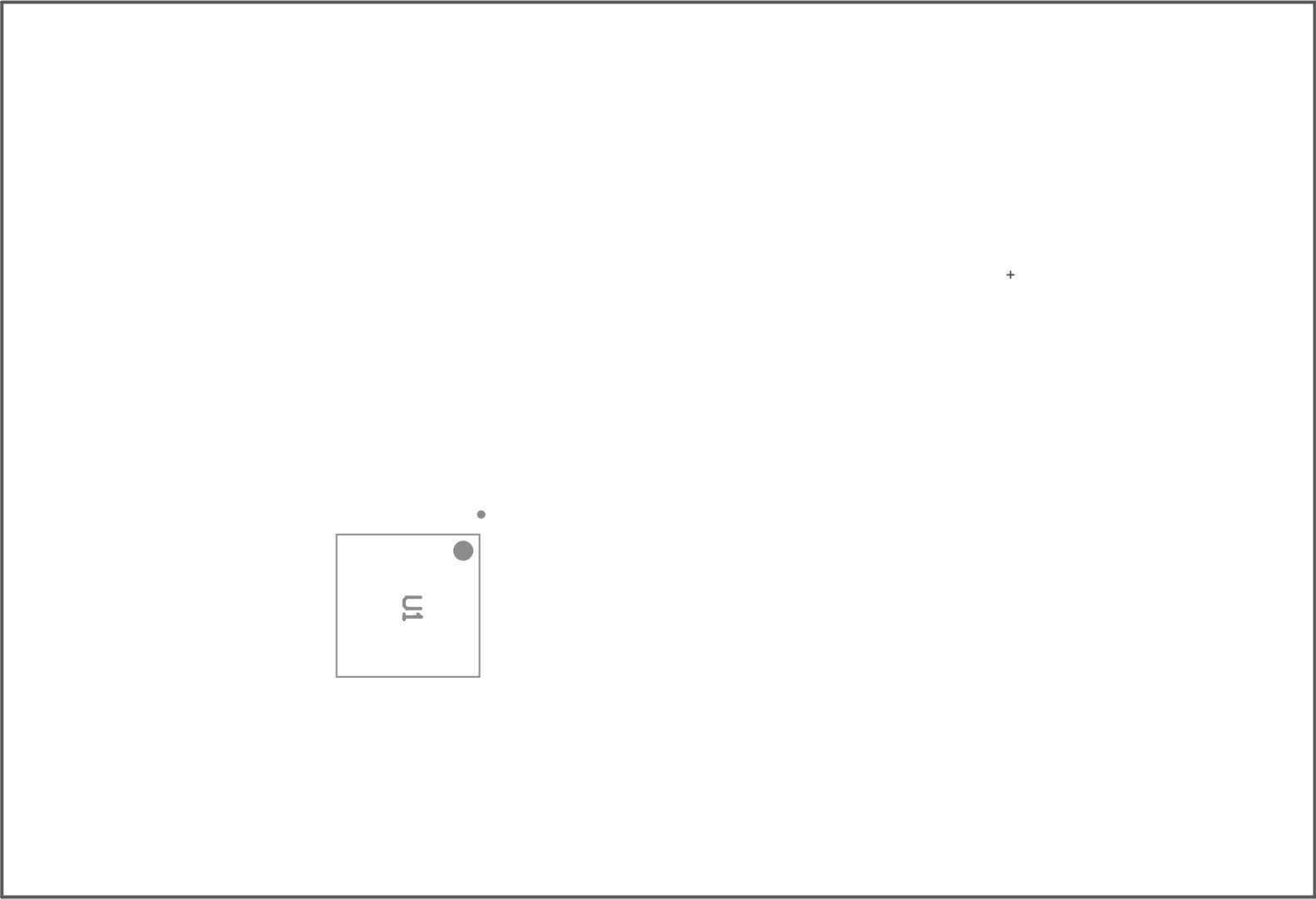


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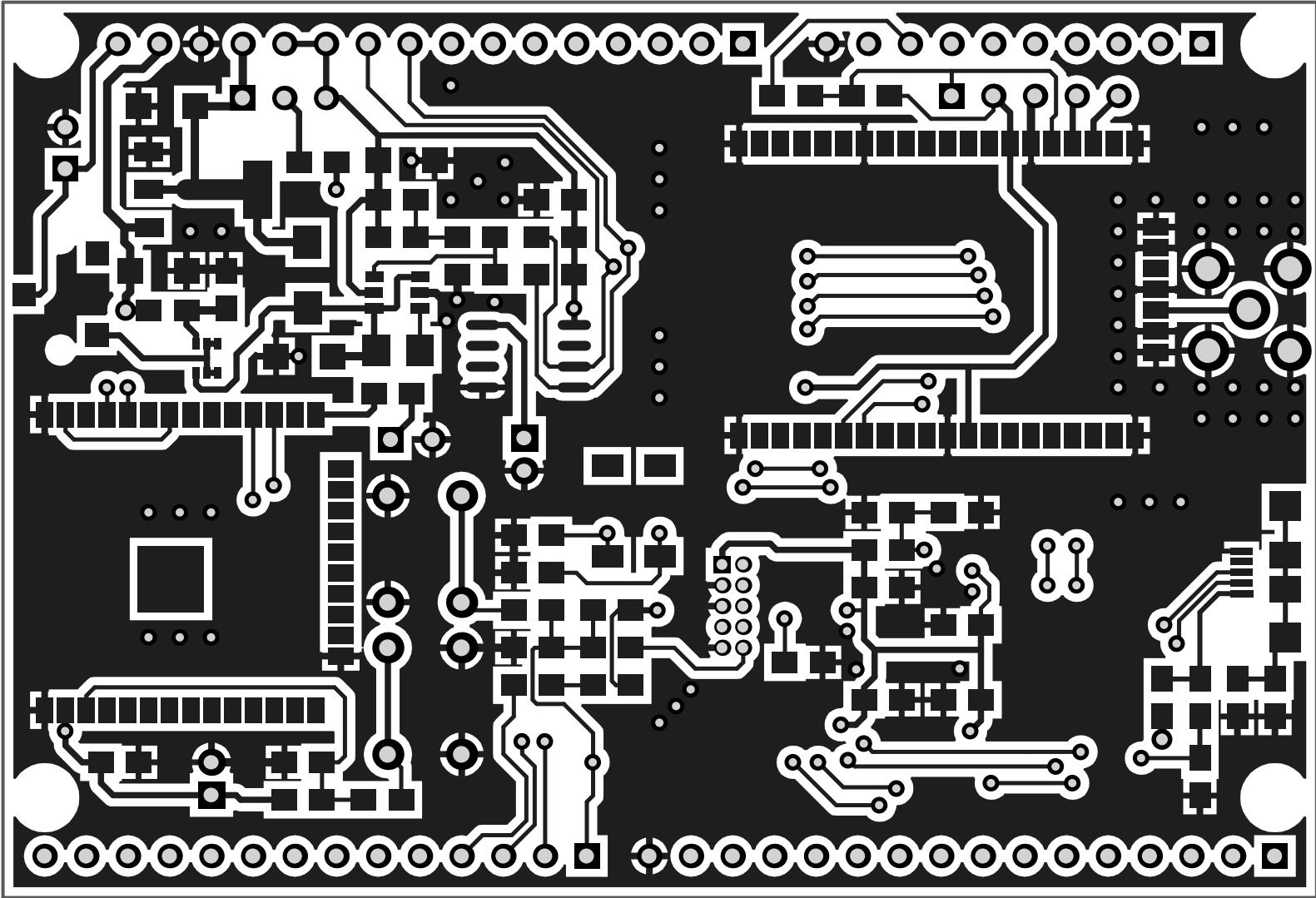


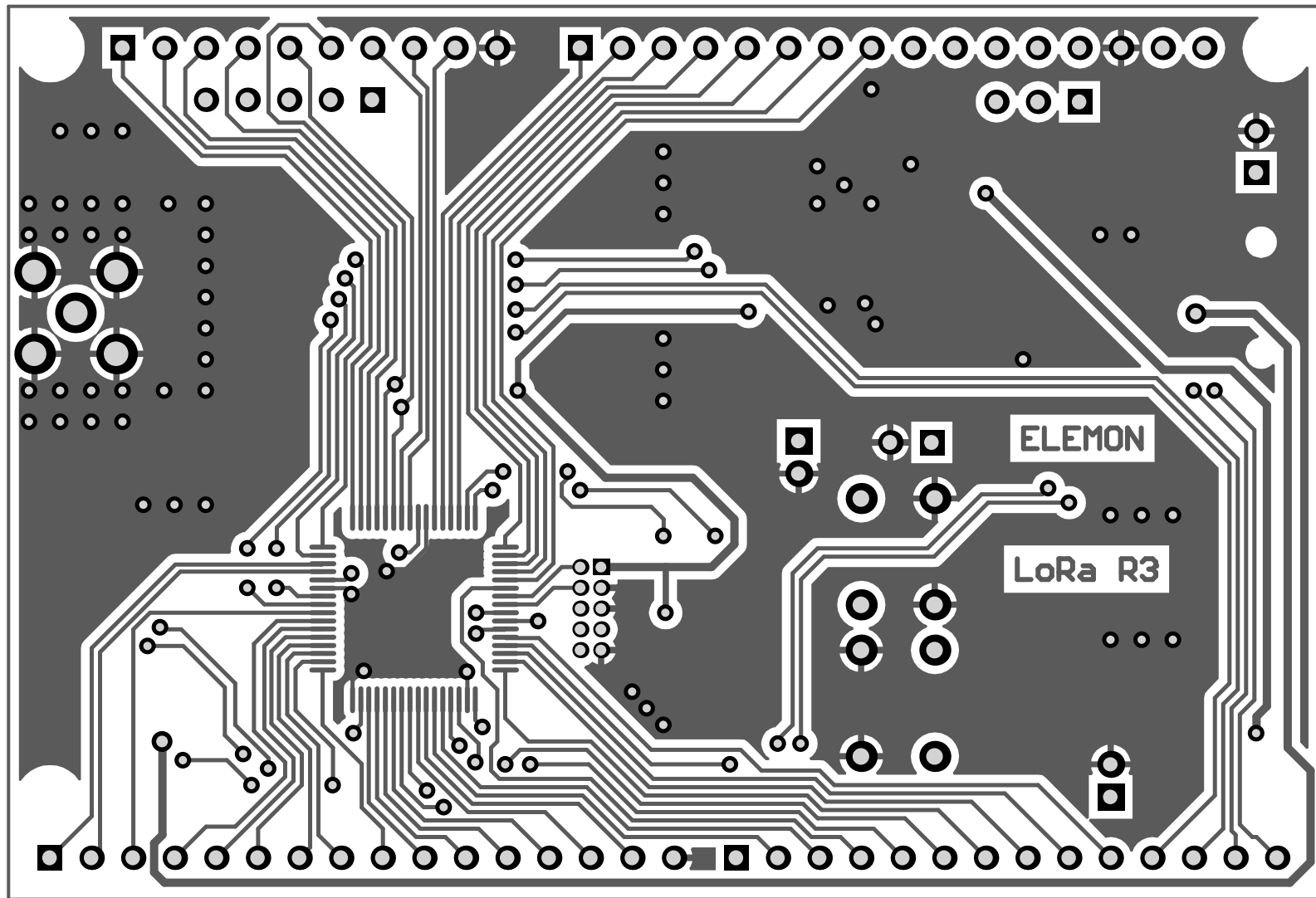
EESA-IOT 5.0











Comment	Description	Designator	Footprint	LibRef	Quantity
100u/6V	Electrolitico mini 5mm	C1	ELEC-MINI-5	Cap Pol1	1
1u	Capacitor	C2, C5	0805	Cap	2
100n	Capacitor	C3, C4, C6, C8, C11, C12, C14, C20	0805	Cap	8
6.8p	Capacitor	C7, C9	0805	Cap	2
10u	Capacitor	C10	0805	Cap	1
4.7n	Capacitor	C13	0805	Cap	1
10uF	Capacitor	C15, C16, C17, C18	1206	Cap	4
22u	Electrolitico mini 5mm	C19	ELEC-MINI-5	Cap Pol2	1
M7 (4007 SMD)	Default Diode	D1	SMA	Diode	1
LED0	Typical INFRARED GaAs LED	D2	0805	LED0	1
Header 5X2	Header, 5-Pin, Dual row	J1	HDR2X5P50	Header 5X2	1
Header 9	Header, 9-Pin	J2	C8351-05BFDXNBFR	Header 9	1
Header 2	Header, 2-Pin	J3	136-02ST	Header 2	1
SMA	Header, 5-Pin	J4	sma-5	Header 5	1
Header 5	Header, 5-Pin	J5	HDR1X5	Header 5	1
Header 10	Header, 10-Pin	J6	HDR1X10	Header 10	1
Header 16	Header, 16-Pin	J7, J8	HDR1X16	Header 16	2
Header 14	Header, 14-Pin	J9	HDR1X14	Header 14	1
F.B.	Inductor	L1, L2, L3	0805	Inductor	3
4.7u	Inductor	L4	1007	Inductor	1
ESP32 WROOM		M1	ESP32_WROOM	ESP32_WROOM	1
RN2903	Lora Module	M2	RN2903	RN2903	1
TWS1		PB1, PB2	TACWS1	TWS1	2
SI1427EDH-T1-GE3	P-Channel MOSFET	Q1	SC-70	SI1427E	1
10k	Resistor, Resistor SMD 0805, Resistor, Resistor SMD 0805, Resistor SMD 0805	R1, R7, R13, R15, R16, R17	0805	Res1	6
33	Resistor	R2, R5, R6	0805	Res1	3
470	Resistor SMD 0805	R3	0805	Res1	1
100k	Resistor, Resistor SMD 0805	R4, R14	0805	Res1	2
15k	Resistor	R8	0805	Res1	1
1M	Resistor	R9	0805	Res1	1
560k	Resistor SMD 0805	R10, R11, R12	0805	Res1	3
1.2M	Resistor SMD 0805	R18	0805	Res1	1
330	Resistor	R19	0805	Res1	1
220	Resistor	R20	0805	Res1	1
SW-SPDT	Switch, Right Angle Mounting, Vertical Actuation	S1	SWITCH-CL-SB-12B	SW-SPDT	1
TQFP64	Atmel 32-bit RISC MCU 64pin	U1	AP6-00173	A06-1041	1
LM1117MPX-3.3	Voltage Regulator	U2	DSO-G3/C6.6	LM1117MPX	1
MCP16252T-I/CH		U3	SOT-23-6	MCP16252	1
47L16-I/SN	Memory, EERAM	U4	SO-8	47C16	1
JUMPER	Header, 2-Pin	W1	HDR1X2	Header 2	1
JUMPER	Header, 3-Pin	W2	HDR1X3	Header 3	1
MC-306 32.7680K-A0	Crystal Oscillator SMD 32	Y1	XTAL-MC-306	XTAL	1