

**SUB MODULATOR (Sebastian Jazura, 2023)**

Qty	Value	Parts	Package	Description	Notes
4	10U	C1, C2, C8, C9	000_4MM_CAP_STANDARD	POLARIZED CAPACITOR	Ceramic Ceramic  Can be replaced with a 1N5817
4	100N	C3, C4, C5, C7	C050-024X044	CAPACITOR	
1	220P	C6	C050-024X044	CAPACITOR	
2	1N5817	D1, D2	000_MOD_7MM_BAT_4148	Schottky Diode	
1	BAT85	D3	000_MOD_7MM_BAT_4148	Schottky Diode	
3	1N4148	D4, D5, D6	000_MOD_7MM_BAT_4148	DIODE	
1	TL074	IC1	DIL14	OP AMP	
1	4011N	IC2	DIL14	Quad 2-input NAND	
1	4017N	IC3	DIL16	COUNTER/DIVIDER	
1	IN	J1	WQP-PJ301M-12_JACK	THONKICONN	
1	XOR	J2	WQP-PJ301M-12_JACK	THONKICONN	Standard SPDT
1	SUB	J3	WQP-PJ301M-12_JACK	THONKICONN	
1	THR	J4	WQP-PJ301M-12_JACK	THONKICONN	
2	100K	R1, R7	000_7,5MM_STANDARD	RESISTOR	
4	1K	R2, R4, R10, R12	000_7,5MM_STANDARD	RESISTOR	
3	2K2	R3, R6, R9	000_7,5MM_STANDARD	RESISTOR	
1	4K7	R5	000_7,5MM_STANDARD	RESISTOR	
2	10K	R8, R11	000_7,5MM_STANDARD	RESISTOR	
2		S1, S2	M9040P	TOGGLE SWITCH	
1	POWER	SV1	EURO_PWR_HEADER_LOCK	Power Header	
1	10K	VR1	9MM_SNAP-IN_POT	9mm vertical snap-in pot	