

## Lichttheremin – Bill of Materials (github.com/UEPro/LiThe)

Type	Manufacturer	Model	Specification	Package	Value	N	Part-Nr	Designators
Resistor	Royal Ohm	Metal film resistor	0,6W; 250V; 50ppm/K	THT-axial	100 $\Omega$ $\pm 1\%$	1	MF006FF1000A50	R2
Resistor	Royal Ohm	Metal film resistor	0,6W; 250V; 50ppm/K	THT-axial	10 k $\Omega$ $\pm 1\%$	1	MF006FF1002A50	R4
Resistor	Royal Ohm	Metal film resistor	125mW; 150V=	SMD-0805	100 k $\Omega$ $\pm 1\%$	1	0805S8F1003T5E	R3
Resistor	Token	LDR		THT-radial		1	PGM5649D	R1
Potentiometer	Alps	R12L	log. stereo	THT-radial	10 k $\Omega$	1	RK12L12C0A0G	VR1
Capacitor	Kemet	MLCC	50V; X7R	THT 100mil	10 nF $\pm 20\%$	1	C315C103M5R5TA	C2
Capacitor	Kemet	MLCC	50V; X7R	THT 200mil	100 nF $\pm 10\%$	1	C322C104K5R5TA	C3
Capacitor	Kemet	Polyester Capacitor	63VAC; 100VDC	THT 200mil	100 nF $\pm 10\%$	1	R82EC3100DQ70K	C1
Capacitor	Wima	Polyester Capacitor	63VAC; 100VDC	THT 200mil	2,2 $\mu$ F $\pm 10\%$	2	MKS2D042201N00KO00	C4-5
Capacitor	Nichicon	Electrolytic Capacitor	16V; $\varnothing$ 6,3mm	THT-radial	220 $\mu$ F $\pm 20\%$	1	UVZ1C221MED	C6
Diode	Diotec	ZMM4.7	Z-Diode; 0,5W	MiniMELF	4,7 V	1	ZMM4.7	D1
Diode	Optosupply	LED	cyan 3mm	THT-radial		1	OSC34L3131A	D2
Transistor	Fairchild	FDN304	P-Ch. MOSFET	SOT-23		1	FDN304P	Q1
IC	TI	NE555		DIP-8		1	NE555P	U1
Switch	Generic		SPDT Slide Switch	THT-radial		1		S1
Connector	Generic	Pin header	1x2pin	THT 100mil		1		J1, J3
Connector	Generic	Pin header connector	1x2pin	THT 100mil		1		
Connector	Generic	Crimp Contacts	Female			2		
Connector	Lumberg		Stereo 3,5mm TRS-Jack	THT		1	1503 07	J2
Connector	Generic	Battery Clip	9V-Block			1		
PCB						1		
Case	Gainta					1	G1068B	
Speaker	NOS		8ohm			1		
Battery	Duracell	9V Industrial	6LR61			1		

NB: These are the parts I have used, mostly because I had them in stock. Other parts with other values/tolerances or from other manufacturers may work just as well or even better.