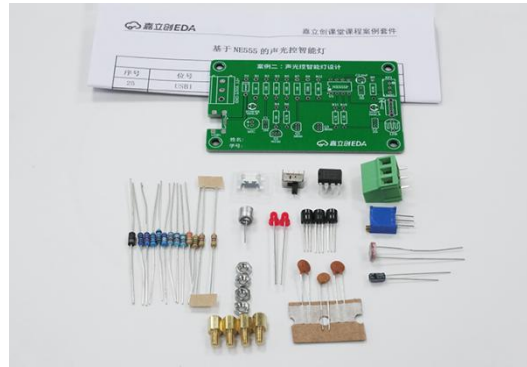


JLC-DIG02 声光控智能灯套件说明

本项目电源采用 Micro USB 或螺钉式接线端子外接供电，POWER 灯亮。NE555 定时器构成单稳态电路，拨动开关，当光敏电阻处于黑暗状态下，有声音响起(MIC 采集到声音)，VOUT 灯亮；恢复安静后经过一段时间延时后熄灭，当声音再次响起时，灯继续亮起。使用 M3 六角铜柱固定。



基于 NE555 的声光控智能灯设计——物料清单

ID	Name	Designator	Footprint	Quantity	Part
1	1K	R1	RES-TH_BD2.5-L6.5-P10.50-D0.6	1	C172978
2	22K	R2	RES-TH_BD2.2-L6.5-P10.50-D0.6	1	C172986
3	2M	R3	RES-TH_BD2.2-L6.5-P10.50-D0.6	1	C115329
4	1M	R4	RES-TH_BD2.2-L6.5-P10.50-D0.6	1	C61306
5	33K	R5	RES-TH_BD2.2-L6.5-P10.50-D0.6	1	C70762
6	4.7K	R6,R11	RES-TH_BD2.2-L6.5-P10.50-D0.6	2	C61297
7	10K	R7,R12	RES-TH_BD2.5-L6.5-P10.50-D0.6	2	C410695
8	120K	R8	RES-TH_BD2.5-L6.5-P10.50-D0.6	1	C58671
9	49.9K	R9	RES-TH_BD2.4-L6.3-P10.30-D0.6	1	C2843025
10	1.2K	R10	RES-TH_BD2.2-L6.5-P10.50-D0.6	1	C58590
11	1M	RP1	RES-ADJ-TH_3296W	1	C330438
12	MG-52B	LDR	RES-TH_L7.0-W5.9-P5.00-D0.5	1	C559383
13	104	C1,C2	CAP-TH_L5.0-W2.5-P2.54-D0.7	2	C353909
14	10uF	C3	CAP-TH_BD4.0-P1.50-D0.8-FD	1	C43798
15	103	C4	CAP-TH_L5.0-W2.5-P2.54-D0.7	1	C377844
16	1N4007	D1	DO-41_BD2.4-L4.7-P8.70-D0.9-RD	1	C402311
17	9013H	Q1	TO-92-3_L4.9-W3.7-P1.27-L	1	C118553
18	S8050	Q2,Q3	TO-92-3_L4.9-W3.7-P1.27-L	2	C717453
19	LED-TH-3mm_R	POWER, VOUT	LED-3MM	2	C84774
20	NE555	U1	DIP-8_L9.8-W6.6-P2.54-LS7.6-BL	1	C398063
21	GMI6050P	MIC	MIC-TH_BD6.0-P1.90-D0.4-L-RD	1	C233951
22	SW-SPDT	S1	SW-TH_SS-12D02-VG4	1	C136719
23	CONN-TH_3P-P5.00	CN1	CONN-TH_3P-P5.00	1	C2915640
24	Micro USB	USB1	MICRO-USB-SMD_5P	1	C40957
25	M3x10+6	TP1~TP4	M3X10-6	4	C551322

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