

Piezo Trigger BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C1 C2 C3 C4	4	Vishay	K103K15X7RF5TH5	10000 pF ±10% 50V Ceramic Capacitor X7R Radial	5mm Pitch	THRU-HOLE	
2	C6	1	Vishay	K104K15X7RF5TH5	0.1 µF ±10% 50V Ceramic Capacitor X7R Radial	5mm Pitch	THRU-HOLE	
3	C5	1	Panasonic	ECA-1CM100I	10 µF 16 V Aluminum Electrolytic Capacitor Radial	2.5mm Pitch	THRU-HOLE	
4	D1 D3 D5 D7	4	Onsemi	1N4148	DIODE GEN PURP 100V 200MA DO35	DO35	THRU-HOLE	
5	D2 D4 D6 D8	4	Kingbright	WP7113ID	LED RED DIFFUSED T-1 3/4 T/H	T-1 3/4	THRU-HOLE	
6	J2	1	Sullins Connector Solutions	PREC008SAAN-RC	Connector Header Through Hole 8 position 0.100"	8POS	THRU-HOLE	
7	J1	1	Phoenix Contact	1729186	TERM BLK 8P SIDE ENT 5.08MM PCB	8POS	THRU-HOLE	
8	J3 J4	2	Sullins Connector Solutions	PREC002SAAN-RC	Connector Header Through Hole 2 position 0.100"	2POS	THRU-HOLE	
9	R1 R5 R9 R13	4	YAGEO	CFR-25JR-52-100R	RES 100 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
10	R2 R6 R10 R14	4	YAGEO	CFR-25JR-52-330R	RES 330 OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
11	R17 R18 R19 R20	4	Vishay	T73YP103KT20	TRIMMER 10K OHM 0.5W PC PIN TOP	2.5mm Pitch	THRU-HOLE	
12	R3 R7 R11 R15	4	YAGEO	CFR-25JR-52-100K	RES 100K OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
13	R4 R8 R12 R16	4	YAGEO	CFR-25JR-52-1M	RES 1M OHM 5% 1/4W AXIAL	Axial	THRU-HOLE	
14	U1	1	Texas Instruments	LM324N	IC OPAMP GP 4 CIRCUIT 14DIP	DIP-14	THRU-HOLE	
15	Z1 Z2 Z3 Z4	4	Onsemi	1N5231B	DIODE ZENER 5.1V 500MW DO35	DO35	THRU-HOLE	