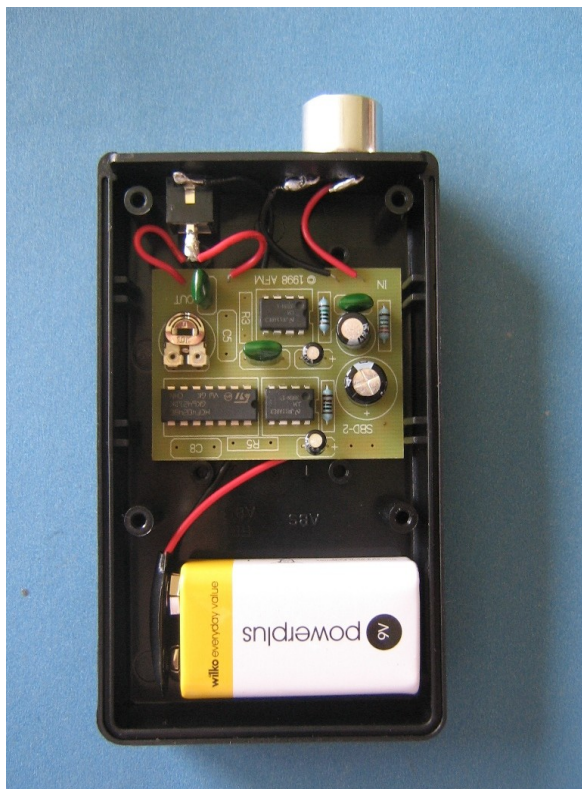


Enhanced Bat detector recommended UK parts list

Description	PCB Component No.	Rapid P/N
Plastic Case with 9 volt battery compartment	n/a	30-3805
40KHz Ultrasonic receiver	n/a	35-0180
Binary Counter 7 stage 4024B	IC3	83-0354
High Impedance Ceramic Earphone	n/a	35-0165
10K Ohm PC mount variable Resistor	RV1	67-0412
LM386N-1Low Voltage Power-Amp (2 of)	IC1 & IC2	82-0264
3.5mm, 3 circuit stereo phone jack	n/a	20-0133
470uf, 16v electrolytic capacitor	C4	11-0275
10uf, 16v electrolytic capacitor (2 of)	C2 & C3	11-0825
0.047uf Mylar capacitor	C1	10-0906
220uf, 16v electrolytic capacitor	C7	11-0260
0.022uf Mylar capacitor (2 of)	C6 & C9	10-0905
9v battery PP3 clip with wires	n/a	18-0084
150 Ohm resistor 0.6w	R1	62-2058
1K resistor 0.6w	R2	62-2098
220 Ohm resistor 0.6w	R4	62-2066
9v battery PP3	n/a	18-4794

Notes

Tony's website states that a detuning coil should be used in conjunction with the 40 KHz ultrasonic transducer, using the Rapid part 35-0180 this is not necessary.



The enclosed instruction leaflet advises that several resistors can be tried for the R2 position however; using the above components from Rapid the 0.6w 1K resistor M1K will work adequately.

The Rapid 3.5mm, 3 circuit stereo phone jack 20-0155 differs slightly from the USA components and as such requires the battery clip black lead to be soldered directly to the phone jack, as per the photograph, rather than on to the PCB.

The holes for the transducer and phone jack have been drilled into the end plate and the transducer's legs bent at right-angles once inserted through the casing, no other retaining method has been employed.