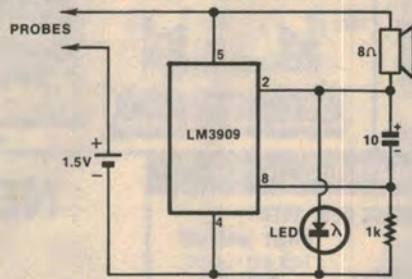


An audio-visual continuity tester

I have built an audio visual continuity tester using one LM3909 IC and three other components, besides a battery and a speaker (based on a circuit in the National Semiconductor data book). This device is ideal for low resistance and impedance components, electrolytic capacitors, transistors and coils. It could also be employed to trip a relay for touch alarm equipment.

The prototype uses a 1.5V alkaline cell and it is built on a 20 x 25mm copper strip board and all contained in a small plastic



case. I used a Ronson gas lighter presentation case. The speaker has an 8 ohm voice coil and was salvaged from a miniature transistor radio receiver. An adhesive, such as Bluetack or Araldite may be used to hold the various components in position where this is needed. The pitch of the sound may be increased by connecting a 2.2k resistor between pins 1 and 8 on the IC.

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