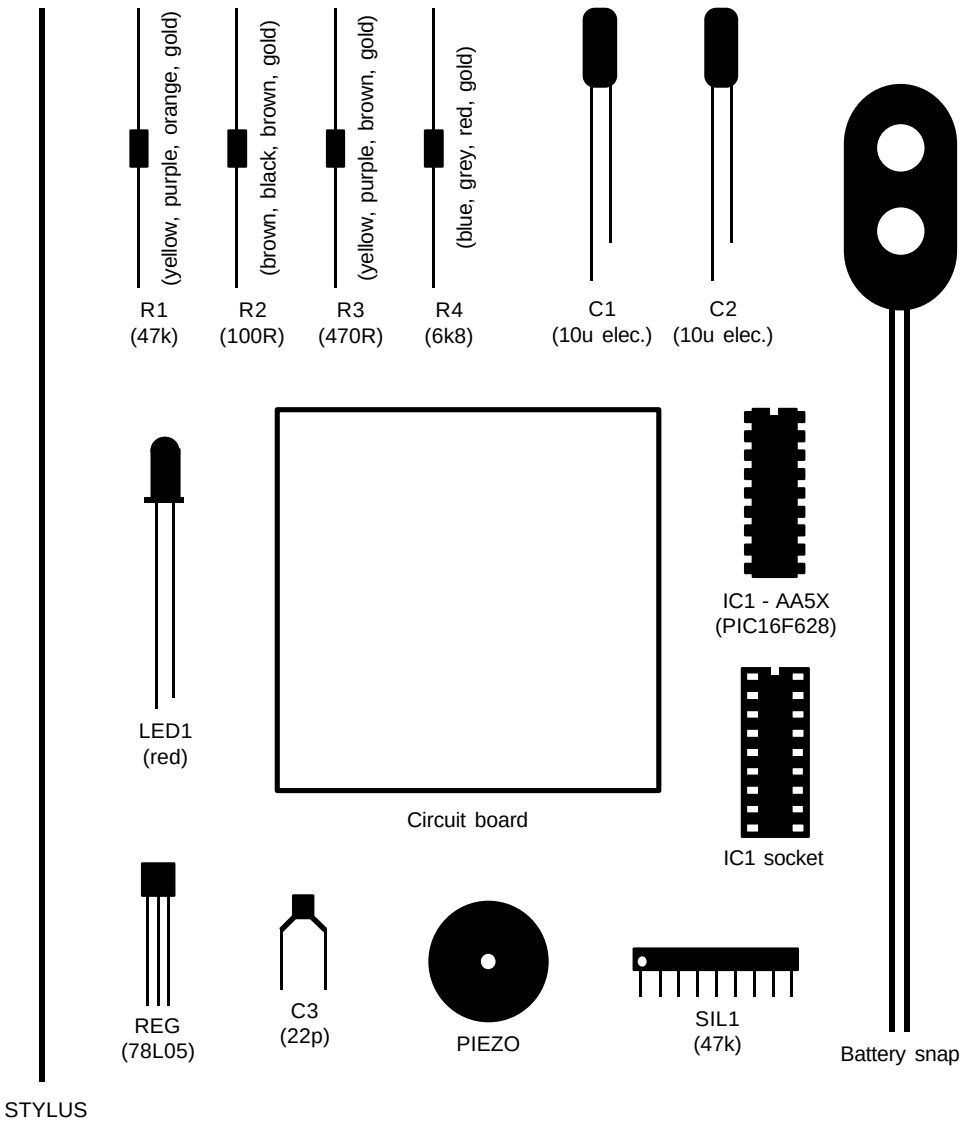
MAD MUSIC MACHINE



CONSTRUCTION

1. Identify the different components using the spotter chart.

2. Fit and solder all the resistors (R1 to R4) to the circuit board. Identify the resistors by the coloured stripes on the body.

3. Fit and solder the inline resistors (SIL1) to the board. Match the small dot at one end to the circle on the board.

4. Solder the electrolytic capacitors (C1 and C2) to the board putting the shorter leg (the leg nearer the stripe on the body) into the hole with the – sign. Solder the other capacitor (C3) either way around.

5. Solder the regulator (REG) matching the half-circle shape of the regulator to the half-circle shape on the board (flat side against flat side).

6. Solder the light (LED1) putting the shorter leg into the hole with the line.

7. Solder the chip socket (IC1) matching the notch in the socket to the notch on the board. Do not solder the chip directly to the board.

8. Solder the piezo (PIEZO) either way around.

9. Push the battery snap leads up through the larger holes in the board from the metal side of the board. Fit the metal tip of the red lead into the BATTERY + hole, and the metal tip of the black lead into the BATTERY – hole. Solder the metal tips to the tracks on the board then pull the wire loops back.

10. Solder one end of the piece of flexible wire to the hole marked STYLUS on the board.

11. Carefully bend the legs of the chip inwards a little with your fingers. Fit the chip into its socket matching the small notch in the chip to the notch in the socket.

12. Connect a battery (9V PP3) to the battery snap.