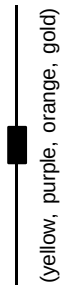
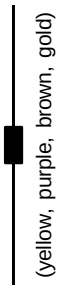
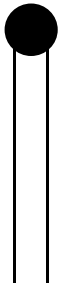
MANIC MOUSE



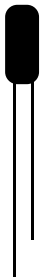
R1
(47k)



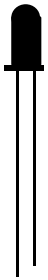
R2
(470R)



C1
(100n)



C2
(10u elect.)



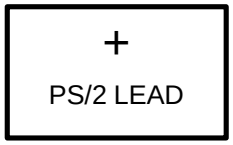
LED
(red)

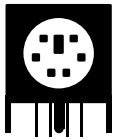
S1

Circuit board

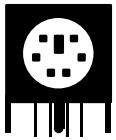
IC1 socket

IC1 - FA1X
(PIC12F629)





MOUSE



PC

CONSTRUCTION

1. Identify the different components using the spotter chart.

2. Fit and solder the resistors (R1 and R2) to the circuit board.

3. Fit and solder the electrolytic capacitor (C2) to the board putting the shorter leg (the leg nearer the stripe on the body) into the hole with the – sign. Fit and solder the other capacitor (C1) either way around.

4. Solder the light (LED) to the board putting the shorter leg (the leg by the flattened edge on the rim) into the hole with the line.

5. 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.

6. Solder the pushbutton (S1) to the board.

7. Solder the MOUSE and PC sockets, taking care to avoid solder bridges between the pins.

8. 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.

9. Connect *Manic Mouse* to an IBM-compatible PC with the supplied lead, then connect a PS/2 mouse to the MOUSE socket.

10. Switch the computer on. If *Manic Mouse* is working properly the light should briefly flash. Test that the mouse functions normally.