

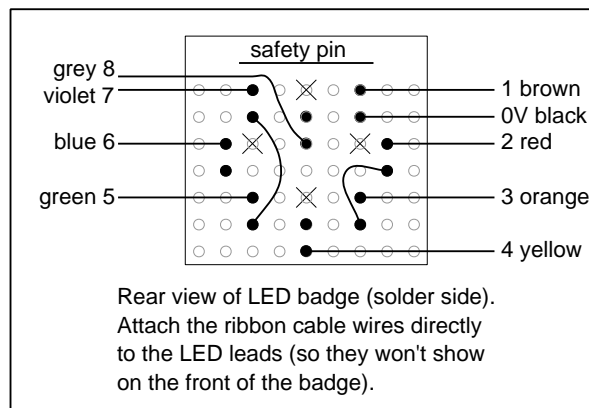
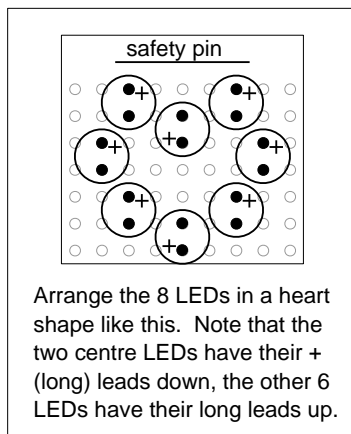
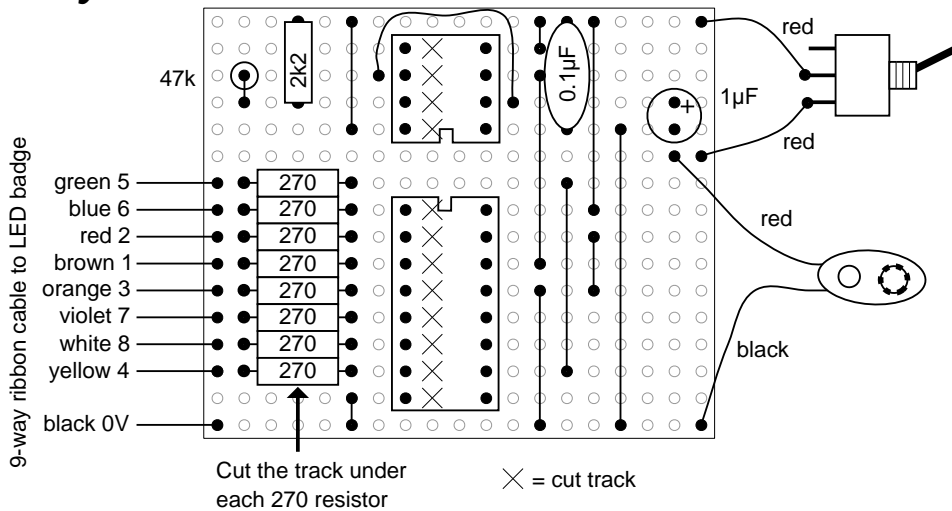
Heart-shaped Badge Project

The badge consists of eight LEDs arranged in the shape of a heart. One LED is lit at a time and this 'chases' round the shape. It would be easy to adapt this project to create other shapes with the 8 LEDs.

Parts Required

- resistors: 2.2k, 47k, 270 \times 8
- capacitors: 0.1 μ F, 1 μ F 16V radial
- red LEDs \times 8
- 555 timer IC
- safety pin to attach badge
- ribbon cable 9-way about 1 metre (to connect badge to main circuit)
- stripboard: 16 rows \times 19 holes for circuit, 10 rows \times 9 holes for badge
- 4017 counter IC
- DIL sockets for ICs: 8-pin, 16-pin
- on/off switch
- battery clip for 9V PP3

Stripboard Layouts



Circuit diagram

