

LOW COST ELECTRONICS:

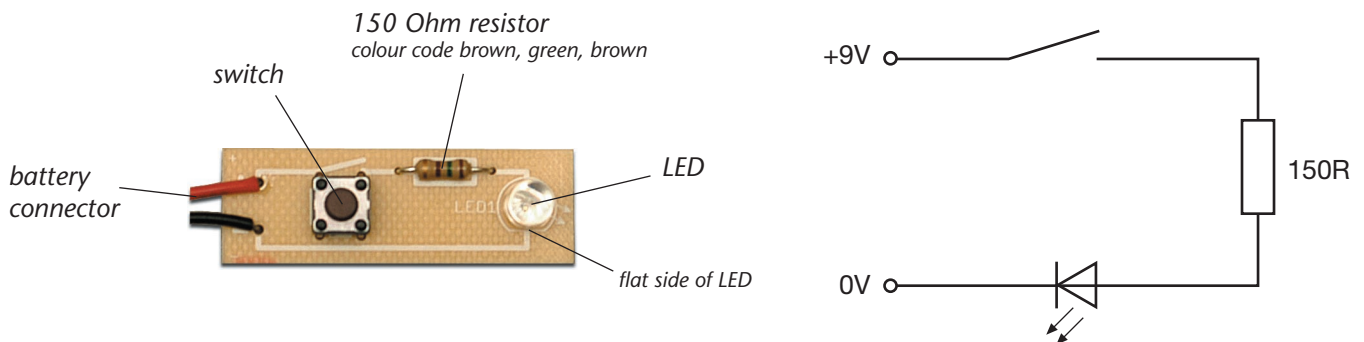
LED Light With Switch - Class Pack of 30 (code: 88P-001A)

Introduction

The *LED Light with Switch* is one of five circuits designed to meet the requirements of KS3 systems and control at an affordable cost. The circuit can be run from a 9 volt PP3 battery but will work from as low as 3 volts (e.g., 2 x AA batteries) if the resistor values are reduced.

How it works

The LED circuit is the simplest kind of electrical circuit consisting of a 'loop' of 3 components connected to a battery. When the loop is made continuous by closing or pressing a switch, current flows and the LED lights up.



Applications

With the press switch soldered to the circuit board:

1. *Torch* – use a white or coloured LED with the legs folded so that it faces forwards
2. *Fake note detector* – use a UV LED and see the security ink light up in real banknotes (or security marking inks on products)



UV LED
Code: EO2 030

With an external on/off switch on a flying lead:

3. *Torch or small lamp* – e.g., emergency lamp
4. *Signalling light*

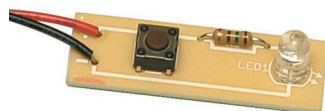
And more

5. *Connect a sounder instead of an LED to make a door buzzer or cycle 'horn'*

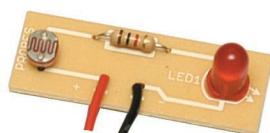


9V buzzer
Code: EW2 002

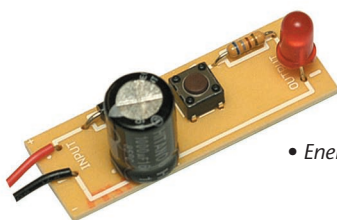
The Low Cost Electronics Product Range



• LED light with switch

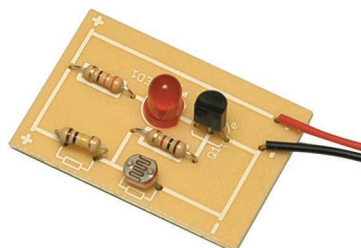
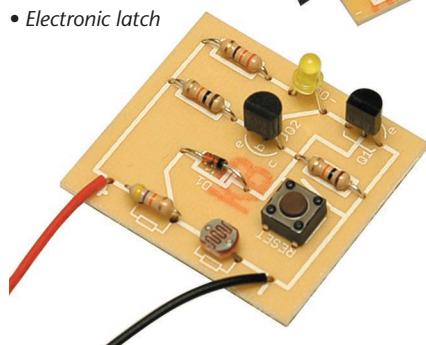


• LED light with sensor



• Energy storage

• Electronic latch



• Transistor switch/amplifier

Class Packs of Circuits

Product

LED light with switch

LED light with sensor

Energy storage

Transistor switch/amplifier

Electronic latch

Class pack of 30

Class pack of 30

Class pack of 30

Class pack of 30

Class pack of 30

Code

88P-001A

88P-003A

88P-004A

88P-005A

88P-002A

Class Packs of Blank Circuit Boards

Blank, unpopulated circuit boards for each kit are also available in packs of 30.

Product

LED light with switch

LED light with sensor

Energy storage

Transistor switch/amplifier

Electronic latch

pack of 30 blank PCBs

pack of 30 blank PCBs

pack of 30 blank PCBs

pack of 30 blank PCBs

pack of 30 blank PCBs

Code

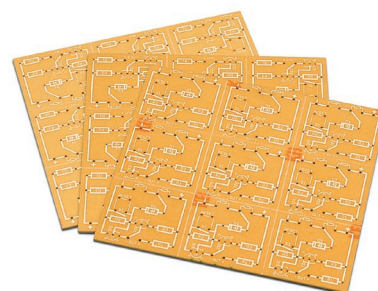
88P-001B

88P-003B

88P-004B

88P-005B

88P-002B



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