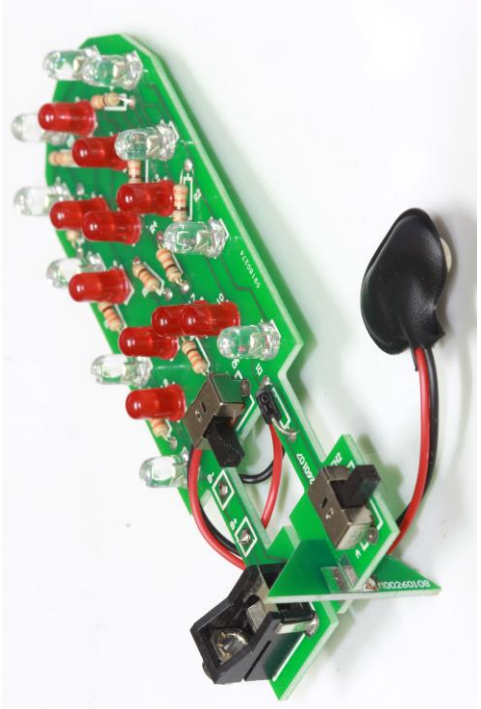
LED LAMP WITH TWO SWITCHS

PRODUCT CODE: M00270065



FEATURE:

- Simple design and simple logic. Basic level of electronics knowledge is enough.
- Assembly is needed.
- On/Off switch is available.
- Switch is available for the choice of LEDs to be lighted on.
- The design is a foolproof design, the user would not damage the kit even the player reverses the polarity of power supply.
- Power could be supplied by 9VDC power supply instead of 9V battery.
- The kits can stand up itself because leg is provided.

READ BEFORE INSTALLATION:

- Put the component on the side of screen printing and solder on the back of PCB without printing.

FIGURE 1

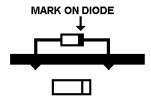


FIGURE 2

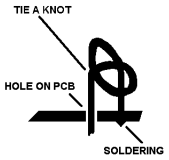


FIGURE 3

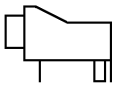


FIGURE 4

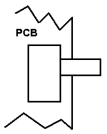


FIGURE 5

CIRCUIT EXPLANATION:

Please read the below together with the circuit diagram in Figure 6.

- The function of D1 is to prevent reverse power supply.
- The function of R1 is to prevent too much current to flow into the L1 and L2. Too much the current would damage the LED. R2 to R10 contain similar function.
- There are two switches. SWTICH1 is the on/off switch. SWITCH2 is the choice of LEDs to be lighted on.

INSTALLATION:

Just install the component to the PCB M00260107 according to below table.

ITEM	SYMBOL ON PCB	DESCRIPTION	OUTLOOK	DIRECTION ON INSTALLATION? AND OTHER
1 TO 10	R1 to R10	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
11 TO 20	L1 to L10	LED	RED	YES, FIGURE 1, NOTE 1
21 TO 30	L11 TO L20	LED	TRANSPARENT	YES, FIGURE 1, NOTE 1
31	SWITCH1	SLIDE SWITCH	SIX LEGS	YES, FIGURE 5
32	SWITCH2	SLIDE SWITCH	SIX LEGS	YES, FIGURE 5
33	DCJACK	3.5mm MONO JACK SOCKET	FIGURE 4	YES, NOTE 3
34	B+ B-	9V BATTERY ADAPTOR	RED WIRE, BLACK WIRE	YES, FIGURE 3, NOTE 2
35	D1	DIODE, IN4001	FIGURE 2 (MOSTLY BLACK)	YES, FIGURE 2
36	/	LEG FOR THE LAMP	PCB IN OUTLOOK WITH MARKING M00260108	NO, NOTE 4

- NOTE 1. On component, longer leg is "+".
- NOTE 2. For 9V Battery Adaptor, Red is B+ and Black is B-. Also, please tie a knot after the red and black wire has passed the neighbors hole before soldering. This is similar to Figure 3.
- NOTE 3, You could use a 9VDC power supply instead of battery.
- NOTE 4, Just solder the PCB M00260108 to the base of PCB M00260107.

CIRCUIT DIAGRAM:

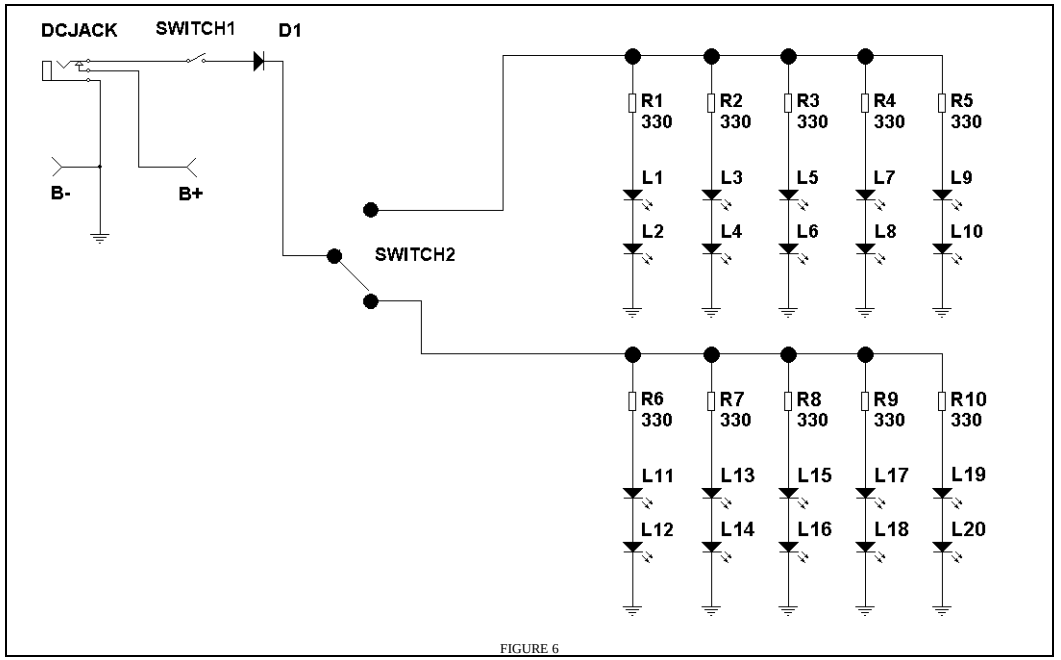


FIGURE 6