LED LAMP WITH THREE CONTROL

PRODUCT CODE: M00270033

DESCRIPTION: This is a very simple LED Lamp. The LED from L1 to L32 can turn on into different way by three switches.

READ BEFORE INSTALLATION:

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

1. On component, longer leg is "+".
2. On PCB marking, square pad as Figure 1 is always "+".
3. For diode, please install as Figure 2.

- Do not put the LED to very bottom, just install as Figure 3.
- 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 5.

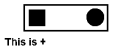

FIGURE 1

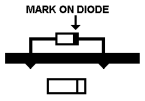

FIGURE 2

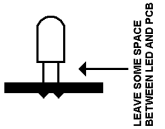

FIGURE 3

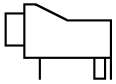

FIGURE 4

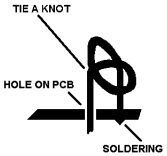

FIGURE 5

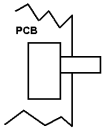

FIGURE 6

CIRCUIT EXPLANATION:

Please read the below together with the circuit diagram in Figure 7.

- 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 L9. Too much the current would damage the LED. R2 to R16 contain similar function.
- There are three switches. S1 can let the LED lamp becoming flasher (Even S2 is on "OFF" status). S2 is the on/off switch. S3 is the control for L17 to L32 to be turn on when either S1 or S2 is on "ON" condition.

CIRCUIT DIAGRAM:

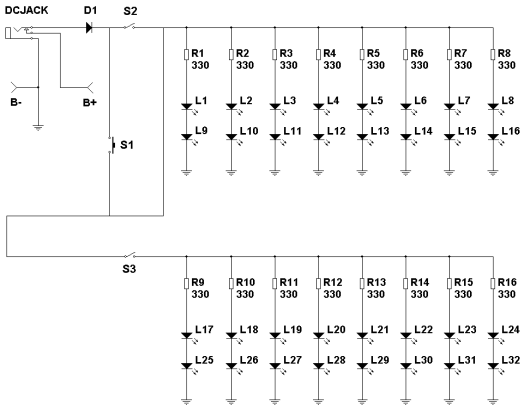

FIGURE 7

INSTALLATION:

Just install the component to the PCB M00260055 according to below table.

ITEM	SYMBOL ON PCB	DESCRIPTION	OUTLOOK	DIRECTION IS IMPORTANT?
1	R1	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
2	R2	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
3	R3	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
4	R4	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
5	R5	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
6	R6	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
7	R7	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
8	R8	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
9	R9	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
10	R10	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
11	R11	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
12	R12	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
13	R13	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
14	R14	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
15	R15	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
16	R16	RESISTOR, 330 ohms	ORANGE, ORANGE BROWN	NO
17	L1	LED	ONE LONG LEG AND ONE SHORT LEG	YES
18	L2	LED	ONE LONG LEG AND ONE SHORT LEG	YES
19	L3	LED	ONE LONG LEG AND ONE SHORT LEG	YES
20	L4	LED	ONE LONG LEG AND ONE SHORT LEG	YES
21	L5	LED	ONE LONG LEG AND ONE SHORT LEG	YES
22	L6	LED	ONE LONG LEG AND ONE SHORT LEG	YES
23	L7	LED	ONE LONG LEG AND ONE SHORT LEG	YES
24	L8	LED	ONE LONG LEG AND ONE SHORT LEG	YES
25	L9	LED	ONE LONG LEG AND ONE SHORT LEG	YES
26	L10	LED	ONE LONG LEG AND ONE SHORT LEG	YES
27	L11	LED	ONE LONG LEG AND ONE SHORT LEG	YES
28	L12	LED	ONE LONG LEG AND ONE SHORT LEG	YES
29	L13	LED	ONE LONG LEG AND ONE SHORT LEG	YES
30	L14	LED	ONE LONG LEG AND ONE SHORT LEG	YES
31	L15	LED	ONE LONG LEG AND ONE SHORT LEG	YES
32	L16	LED	ONE LONG LEG AND ONE SHORT LEG	YES
33	L17	LED	ONE LONG LEG AND ONE SHORT LEG	YES
34	L18	LED	ONE LONG LEG AND ONE SHORT LEG	YES
35	L19	LED	ONE LONG LEG AND ONE SHORT LEG	YES
36	L20	LED	ONE LONG LEG AND ONE SHORT LEG	YES
37	L21	LED	ONE LONG LEG AND ONE SHORT LEG	YES
38	L22	LED	ONE LONG LEG AND ONE SHORT LEG	YES
39	L23	LED	ONE LONG LEG AND ONE SHORT LEG	YES
40	L24	LED	ONE LONG LEG AND ONE SHORT LEG	YES
41	L25	LED	ONE LONG LEG AND ONE SHORT LEG	YES
42	L26	LED	ONE LONG LEG AND ONE SHORT LEG	YES
43	L27	LED	ONE LONG LEG AND ONE SHORT LEG	YES
44	L28	LED	ONE LONG LEG AND ONE SHORT LEG	YES
45	L29	LED	ONE LONG LEG AND ONE SHORT LEG	YES
46	L30	LED	ONE LONG LEG AND ONE SHORT LEG	YES
47	L31	LED	ONE LONG LEG AND ONE SHORT LEG	YES
48	L32	LED	ONE LONG LEG AND ONE SHORT LEG	YES
49	D1	DIODE, IN4001	FIGURE 2	FIGURE 2
50	S1	PUSH BUTTON SWITCH	4 LEGS	NO
51	S2	SLIDE SWITCH	6 LEGS	FIGURE 6
52	S3	SLIDE SWITCH	6 LEGS	FIGURE 6
53	DCJACK	3.5mm MONO JACK SOCKET	FIGURE 4	YES
54	B+, B-	9V BATTERY ADAPTOR	RED WIRE, BLACK WIRE	YES
55	LEG	LEG FOR THE LAMP	PCB IN OUTLOOK	/
56	LEG	LEG FOR THE LAMP	PCB IN OUTLOOK	/

- After installation of component from item 1 to 54. Install item 55 to 56 by soldering to the pad.
- The battery can be mounted on the PCB for outdoor use.
- After installation, you can use external DC adaptor as power sources. You can use our product M00270013 or other similar adaptor.