Operation Description

1、 **Power supply input circuit**：By the common-mode inductance and capacitor circuit composed of EMC, Circuit's primary role is to filter out the power cord from the ballast conduction disturbances and resulting in the work conducted interference, Interference power from other electric equipment.

2、**Buck circuit:** By the 1PC 1W metal oxidation film resistors composed,

Because the current is relatively small, so consider using a resistor direct step-down voltage.

3、 **Regulator filter circuit**：By the commutation diodes and zener diode composed，the working frequency is 60Hz.

4、 **Touch signal receiving circuit:** By the 2PCS high voltage porcelain capacitor and zener diode composed Current Limiter resistor composed, As a result of the static human body with the peak may be very great, so with two 2KV capacitor with a current limiting resistor in series to reduce the use of high voltage electrostatic human impact on the circuit components, but also effectively prevented the high-voltage on the human body hurt.

5、 Dimming driver circuit: By the TT6061A IC and BT136E SCR composed. Dimming is a dedicated IC TT6061A touch dimmer set to receive signals, touch the number of memory, adjusting the conduction angle BT136E in one multi-functional chip.
The principle is to light touch TT6061A signal receiver, and then touch the number of recognition and memory, and finally to control in accordance with the number of BT136E touch of the conduction angle in order to achieve a large load – large/middle/small/off - point, it's total four point in a touch-cycle control. If touch the touch pad, Just touch the pad to advance the light to the next position- large/middle/small/off – point . the EUT have the same PCB layout and the same output voltage DC 12V,but three output power---small lighting/Mid lighting/large lighting, the Max. output power is 200Watt,and the small lighting is 10% light, output power is 20Watt,Mid lighting is 50%, output power is 100Watt, the large lighting is 100%,output power is 200Watt.