

### **Wireless Mouse Transmitter Circuit Description**

- a. **IC-A5030:** IC-A5030 is the optical IC. The optical part of A5030 transforms the image of the mouse movement to the electronic signal, and then send to the controlling IC; the signal transmits from the antenna after modulated to a frequency of 2.4GHz.
- b. **IC-EM78P447SAM** is the integration of wireless controlling IC. Acquisition to signal it will send to 2.4 G module modulation, and then launch. The clock signal 6 MHZ.
- c. **IC-SE11** is the 2.4 G module. MCU will send a signal to the manner in GFSK modulation, frequency modulation 2.405 ~ 2.477 GHZ.
- d. **Supply Voltage:** 2.3~3.0V