

Wireless Mouse Transmitter Circuit Description

- a. **IC-ATA2180:** IC-ATA2180 is the integration of wireless controlling IC and optical IC. The optical part of ATA2180 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 27.045 MHz.
- b. The clock signal of IC- MA6221 is controlled by clock of oscillating controller.
- c. When the optical part of IC—ATA2180 is working, the MCU will output the controlling signal Q1 from the PIN 12 to control the brightness of LED
- d. The operating voltage of IC- ATA2180 is 3.0V from the step-up DC/DC converter
- e. Supply Voltage: 1.5