

## **Circuit 's operation Description for DS-2038**

This circuit is mainly consisted of convertor IC(U3,U4), IC(U1),MC(U1),C(U2).

IC U4 provides the circuit with a stable 3Vvolts d.c and U3 provide the circuit with a stable 4V . to keep the circuit working. when the mouse is moving on the desktop, photoelectric processor IC-U1 collect optical signals reflected by the desktop and transfer them into the MCU IC-U2, then processed and managed. By MCU together, they are sent to the FSK circuit. In the MCU IC-U2,there is internal RF Generator the electric signals out from MCU will be generated, and output the data from 8# feet of U2 and radiate the signal to outside.

MCU will provide and generate a code from the 22# feet of IC-U2 when you press the ID button at the same time ,MCU will storage this code, and keeping the ID code unchanged until out of power.

The MCU IC-U2 have two functions of sleep and wake up. For saving up the capacity of power, the circuit will keep sleeping model when the mouse has stopped on the desktop for a fixture time; you can press any key or wheel switch to let it work again.