Circuit ‘s operation Description for DS2068-I TX

Operation Frequency: 27.045MHz

Modulation Type: FSK

This circuit is mainly consisted of optical IC（U2）, MCU IC（U1）.

IC U1 Pin24 provides the circuit with a stable 3volts d.c . to keep the circuit working.。when the mouse is moving on the desktop, photoelectric processor IC-U2collect optical signals reflected by the desktop，and transfer them into the MCU IC-U1，then processed and managed. By MCU，together, they are sent to the FSK circuit。In the MCU IC-U1,there is internal RF Generator，the electric signals out from MCU will be generated, and output the data from 5# feet of U1，and radiate the signal to outside。

MCU will provide and generate a code from the 28# 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-U1 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.