

Circuit 's operation Description for DS-2068-F

Transmission Frequency: 27.045MHz

Modulation Type: FSK

This circuit is mainly consisted of convertor IC (U4) , IC (U1) , MCU IC (U2) .

IC U4 provides the circuit with a stable 3Volts DC and U3 provide the circuit with a stable 4.5V 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.