

Circuit 's operation Description for DS-2199(2199-A+2156-A)

Transmit Frequency: 27.045MHz

Modulation Type: FSK

The main circuit of the mouse transmitter compose by optical IC (U1), MCU & RF IC (U2). Inner of U2, L2, D1 and others provide the 3V steady working pressure for circuit, X1 provide the clock for system. X2 and inner circuit of the U2 compose RF modulation circuit. When the mouse remove on the desk, U1 can test this remove and transmitted the data to U2, U2 can receive the key's and coder's information at the same time. All message from the 8# feet of U2, and antenna radio to the free space after coding.

SW-ID is connect switch, U2 can radio a message code communication with SW-ID when you press it. D3 is low pressure indicator light, the light will flash it if you use the mouse when the battery is low pressure and remind you the battery energy is exhaust.

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.