

Operation Description

Operation Frequency: 27.045MHz

Modulation Type: FSK

The TX of the wireless mouse mainly consists of MCU (U1) and optical IC (U2).

BATT, L3 and D1 provide the circuit with a stable DC 3 V. When the mouse is moving on the desktop, photoelectric processor IC-U2 collects optical signals from D2 reflected by the desktop. The signals are input to U1 via MISO, MOSI, NCS, SCLK.

U1 is the MCU which also processes signals from keys of SWR, SWL, SWM and coder SWZ. X1 and U1 work out coded signal. It is amplified with frequency 27.045 MHz and is transmitted by match circuit of pin 5 and C4.

U3 is a ID memory IC. Each ID is stored in U3 when SWID is pressed. It can be recalled when system is restarted.