

Description of operation

- 1.The device input voltage 1.5V (single cell), after the XC6383A-281 (DC / DC converter), a stable 2.7V output DC voltage, respectively to the sensor (PAN3204) and the control chip (M24).
- 2.Sensor PAN3204 sensors are optical class, move the mouse to read the images into digital signals, through the SPI interface, connected to the control chip, the demodulation.
3. left, right key to open the encoder, connected to the input and output control chip I / O port, the modulation.
4. X1 crystal oscillator to generate reference frequency, provided to the control chip.
5. Control integrated RF chip module, been to signal modulation, firing 2.4GHz band signal, such as high-frequency components through the inductor L3, resulting in about 0DBM power, through the PCB antenna, transmitter.
- 6.The receiver is connected to the PC, the power provided by the USB port, the receiver control chip (R24), the received high frequency signal, the results of demodulation, converted into digital signals, input to the PC, to achieve the mouse function.