JD-9188 Circuit Description

Sensor PAN3101 translates the mouse movement into X and Y coordinates and passes to MCU PM6227-2 Sensor PAN3101 Work Clock Frequency is 12MHz   Light source is use LED(Light –Emitting Diode)

PM6227-2 encode the mouse button data and mouse movement X and Y coordinates data and passes them to RF circuit in it   The RF circuit transmits these data to the Receiver   PM6227-2 use work clock Frequency 76.8KHz and 2.0MHz crystal   RF circuit use a 27.042MHz crystal   PM6227-2 IC has DC/DC power processor in it

Receiver first uses MC3361 to perform RF amplification   mixing demodulating then pass the data to PM6155 IC   PM6155 decode these data with its decoding unit inside   and passes decoded data to inside USB interface unit   USB interface unit passes all these data to the computer USB processor   The USB processor then processes all incoming instruction   The power for the receiver is supplied by PC USB MC3361 use a 26.590MHz crystal   PM6155 use a 6.0MHz crystal