

Circuit Description

Mouse's frequency will be automatically adjusted to pair with Receiver's after 2 pcs AAA rechargeable batteries was loaded and the ID button pressed. When Users move the Mouse, the operation signal which the optical Mouse sensor IC PAN3101 detected is processed by the controller IC MA6221-S7K, converted to RF signal in 27MHZ, then got L3 & C12 by the 8th pin of MA6221-S7K, last transmitted out through the built-in and circulating antenna.

In the meantime, the port of the antenna connected to C12, another port is grounded, and the C8 & C9 is connected in parallel connection between the ports of antenna, they are made up of LC resonance circuit to adjust the capacity of C8 & C9 capacitor and insure the LC resonance frequency in 27MHZ.