

## **The Function Introduction**

- a. Using timing sharing for data transmission
- b. 4 function including forward, backward, left and right

### **1. TX(27MHZ)**

TX is supplied by AA size 1.5V batteries in total 2pcs , there are four function keys: F,B,L&R to control the RC car(forward, backward, left & right).The SPRC205A IC is within code generator and high frequency oscillator. From the 3<sup>th</sup> pin, the 4<sup>th</sup> pin of IC and crystal generated producing 27.145MHz high frequency signal, passing through the amplifier of within IC SPRC205A, the modulated high frequency signal exported to the matching network which is consist of L1,C5,C7,L3,C8,L4,L5 by the 5<sup>th</sup> pin of SPRC205A IC.

### **2. RX(27MHZ)**

Rx supplied by AA size 1.5V batteries in total 4pcs, after regulating 3.3V to IC SPRC206A.The modulated signal is received by the antenna which is demodulated through super generator circuit. The demodulated signal will be amplified and decoding through IC SPRC206A.Then the outputs will control tow motors driving forward , backward, left & right respectively

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