

## **Circuit description**

### **Master circuit:**

U3 is light dominate IC, U1 is voltage regulator IC, supply the 3.3V voltage power to U2 and transistor of drive.

U2 is program MCU, when the RF receiver module have data output, the MCU will encode data and out high level.

### **Receiver module circuit:**

Receiver circuit working Ultra-regeneration mode. Q1 is RF amplifier, Q2 working capacitor mode oscillation.

### **Transmit module circuit:**

Q1 is power control, when any key press will provide power to U3 and Q2.

U3 is encoder IC, The 18PIN is in series with Q1 C and terminal and gets work power.

U3 bring the address signal to high frequency tube Q2 and control it (1~7PIN of U3 contact The ground or VCC then can choose the address signal group.)

A1 (SAW1) is resonance component, can supply 433.92MHz frequency, after modulated and Amplified, transmit to around space though antenna.

Transmit circuit working ASK mode.