

## Attractor Remote Digital Caller Circuit Description

### **Master circuit:**

IC1 is voltage regulator IC, supply the 3.3V voltage power to IC2 and RX MODUL.

Q1 is voltage regulator IC, supply the 3.3V voltage power to U4

IC2 is program MCU, when the RF receiver module have data output, the MCU will encode data and out low level to trigger U4 play sounds,

IC4 is memorizer

U4 is voice IC, include four sounds and one reset and ON/OFF and power control input PIN. According to IC2 output trigger signal perform different play sounds or reset.

IC3 is sounds power amplifier circuit. U4 output sounds signal pass through IC3 Power amplifier driver the speaker.

### **Receiver module circuit:**

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

Q2 working capacitor mode oscillation.

### **Transmit module circuit:**

Q5, Q6, Q7, Q8 is power control, when any key press will provide power to PT2264 and Q3.

PT2264 is encoder IC, The 18PIN is in series with Q1 C and terminal and gets work power.

PT2264 bring the address signal to high frequency tube Q3 and control it (1~6PIN of PT2264 contact the ground or VCC then can choose the address signal group.) Q1 is high frequency power magnify tub.

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

Transmit circuit working ASK mode.