

## TA19

### Circuit Description

When any button is pressed, the Coding IC HCS320 wakes up ( It will sleep and output nothing when all buttons are released ), and encode the keying and the build-in address to serial data which are output from DO pin. The data are combination of high pulse and 0 level which will make the surface acoustic wave oscillator SAW1 and triode Q1 to oscillating or not. The oscillating signal will be coupled to the micro-strip line on PCB through which the signal is emitted out. So, this is the typical ASK or OOK modulation circuit.

The transmitter uses the micro-strip line on PCB act as the antenna. The transmitting power is very low.