

## Circuit Description

### Transmitter:

1. U1 (C1 & C2) is the regulator, provide 3v for U2
2. U2 is an OTP type MCU, work with R1, K1 & K2 for encoding, i.e. encoder
3. Q1, R2 C4, C5, C6, L1 & L2 form a oscillation circuit with the frequency 315MHz, once the encoder generate a code, the oscillator will carry the thru the amplifier circuit.
4. Q2, R3, R4, C8 & L3 work as a Hi frequency amplifier, amplify the carrier thru C9 & the antenna to transmit the signal.