

Circuit Description

Transmitter circuit

- 1) B1 is the 9V 6F22 battery which is supplied to the transmitter.
- 2) Clock of the IC U1, 4MHz, is control by the crystal X2, C15 & C16.
- 3) Signal input to the IC which is corresponding to the button is pressed.
- 4) **Input ports are included port 1, 2, 13, 14, 15, 16, 17, 18, 19**
- 5) IC U1 will generated coded signal on the port 11. Then transmitted to the circuit when the button is pressed.
- 6) The generated signal will be adjusted and modulated with the 49.86MHz oscillator by the modulating circuit, X1, Q2, R7, C10 & L1.
- 7) Signal will then be amplified after pass through the amplifying circuit, Q1, C9, C3, C12, L2.
- 8) This amplified signal will be transmitted by the antenna.