

CIRCUIT DESCRIPTION

The main part of the circuit is the CPU, it work with a clock of 4MHZ that got from a crystal Y4, and with a power supply of 3.3V, which provided by the regulator U2 and the AAAx4 alkaline battery pile. Anytime, the CPU detect the signals from those blocks below and indicate the stages and operations of them on the LCD, the temp detector which is made up of R8,R9,R21 and the low battery detector which is made up of R7,R6,Q3,Q2 and the key array S1~S9. Also, a coding array based on the key being pressed and the code being setup on the code-switch S14 will be fed to the transmit circuit if necessary. The transmit circuit is mainly made up of Y1, Q1, C1, C3, C4 and L1. When a coding array coming, the circuits oscillate and bring out a carrier wave with the frequency of 315MHz. Those coding will be modulated on the carrier, and then the being-modulated RF signal is fed through C6 to the Antenna to transmit.