

# CIRCUIT DESCRIPTION

## 1. Power part

- a. Voltage from 1.5V battery makes it increased to 3.6V at D-D converter (U5) after passing L7.
- b. The voltage increased to 3.6V is provided to Logic Part and switched to Q1 and then provided to RF Part.

## 2. Reset Part

When power comes in the circuit, MCU is reset by R16 and C28.

## 3. Low Battery Part

In case of the battery voltage becoming 1.1V and less, U6 checks it and makes the MCU to display it on the LCD.

## 4. Audio Part

- a. Audio signal separated from right and left by Audio Jack comes in U1 (FM Sender).
- b. The signal is mixed to Stereo signal inside of U1 and it makes FM modulation at D1.

## 5. RF Part

Channel data is sent to U1 from MCU and it makes Frequency at PLL circuit and related frequency is radiated without wire through the ground line (Antenna) at Audio Jack.