

## **IFM-2 transmitter circuit description:**

The unit powered by iPod, music is transferred to FM EMITTER IC (U2) signally from iPod dock.

The signal is transmitted by wire antenna, FM EMITTER IC(U2) has three set data port connected to MCU IC (U1) conducting the conversion.

FM EMITTER IC (U2) and MCU IC(U1) has two set of same data port connected to Storage Frequency IC(U7) doing the frequency storage, storing the last showed frequency.

MCU IC (U1) which has three set data port connecting to LCD Drive IC (U3) conducting the conversion, and one set data port controlling the backlight circuit, one set data port controlling the timing circuit, two set data port controlling the frequency adjustment KEY (K1,K2), Press which to make the frequency increase or decrease, with the frequency shown on the screen.

LCD Drive IC(U3) has twelve set data port connecting to twelve set data port of LCD Display(LED1) conducting the conversion to show the frequency on the screen.