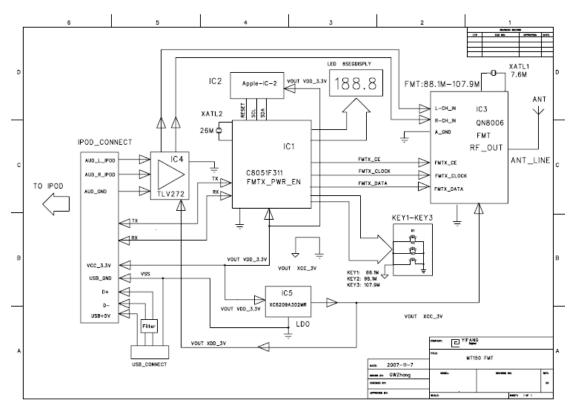
## PRODUCT illustrate

## 1. System introduce

MT300 is a FM transmitter, designed to play the iPod or iPhone through your car, home, or portable stereo. The FM transmitter function turns on when the iPod or iPhone is connected.



# 2.1 structure introduce

The system is consist of MCU (C8051F311), Audio amplifier (TLV272),LDO(XC620A302) and FM unit(QN8006).

### 2.2 Description

When the **iPod or iPhone** is connected, It provide a power +3.3V and turns on the MT300, then MCU (C8051F311) verify the authorization through Apple-IC-2,then turns on FM unit(QN8006), & displays FM frequency on 8 segment LED. Audio signal from iPod or iPhone was processed and controlled via FM unit(QN8006). FM unit QN8006 is a low power stereo FM transmitter, modulate Audio signal (sent from audio processing unit TLV272) to RF oscillator, then send to space by one antenna.

#### 2.3 Power

MT300 could get power supply from iPod or iPhone.