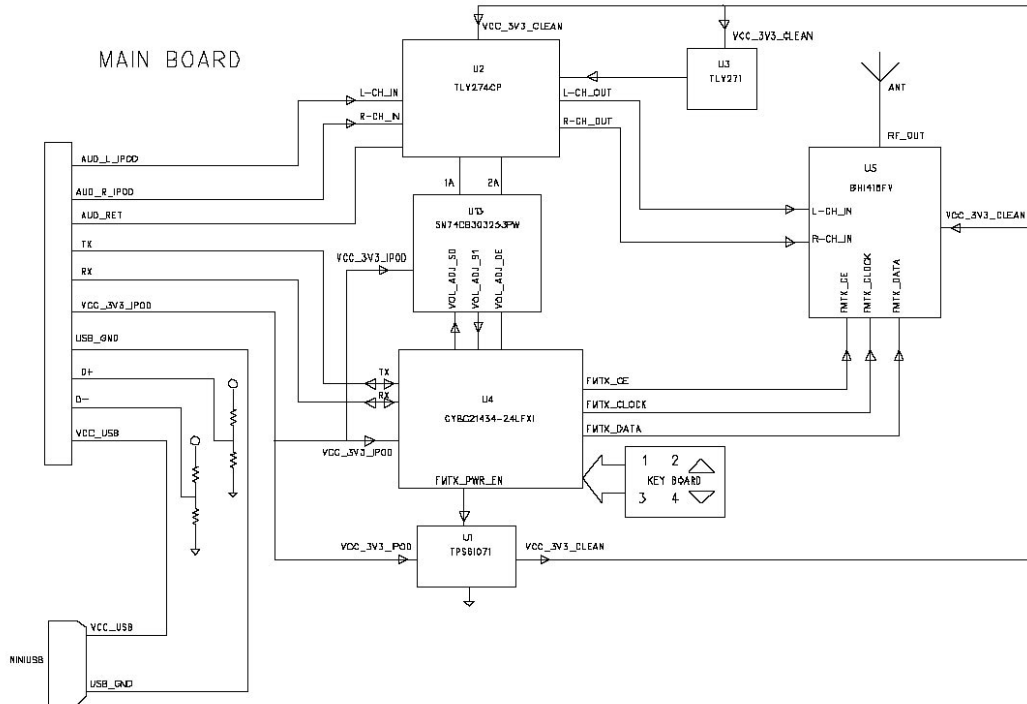


## PRODUCT illustrate

### 1. System introduce

F8Z075 TuneFM transmitter is designed to play the iPod through your car, home, or portable stereo. The TuneFM transmitter function automatically turns on when the iPod is connected. It automatically turns off when the iPod is removed.

### 2. Structure



#### 2.1 structure introduce

The system is consist of MCU (CY8C21434-24LFXI), audio processing unit(TLV274CP + SN74CB3Q3253PW) and FM unit(BH1418FV).

#### 2.2 Description

When the iPod is connected, MCU (CY8C21434-24LFXI) communicates with iPod, turns on FM unit, & displays FM frequency on iPod. Audio signal from iPod was processed and controlled via audio processing unit(TLV274CP + SN74CB3Q3253PW), then was sent to FM unit(BH1418FV). FM unit BH1418FV is a low power stereo FM transmitter, modulate Audio signal (sent from audio processing unit) to RF oscillator, then send to space by one antenna.

#### 2.3 Power

F8Z075 TuneFM transmitter could get power supply by Auto Power Cord from your car instead of from iPod.