

OPERATIONAL DESCRIPTION

1. Microphone interface network

The microphone audio interface network filters the audio signal received from the external microphone

2. Speaker interface network

The speaker audio interface network filters the audio signal received from the Bluetooth module

3. Voltage regulators

The voltage regulator ---MC34063 supply 5 voltage for the component and audio Power amplifier

4. FM transmitter.

The FM transmitter is based on the FM80110NF , which is a single chip FM transmitter . The component includes the pre-emphasis circuit, limiter circuit , low pass filter, and a PLL frequency synthesizer. The transmitter is tuned for transmission within the 88.0÷88.6 MHz frequency band.

5. Matching network

The matching network provides impedance matching between the small antenna to the Bluetooth module.

6. Attenuator

The attenuator limits the radiated electric field level from the transmitter to the level allowed by regulations (such as FCC and CE)

7. Controller

The controller---STC 89C52RC, adjust frequency, enables the PA, communication with the Bluetooth module, display status information of the system, display the back sonar distance information, enables microphone mute, key scan, etc.

8. FM headset

A FM headset is designed for security communication when you need. A rechargeable polymer lithium battery inside.

9. Back camera system

Integrated back view system, to protect your car and you safety.