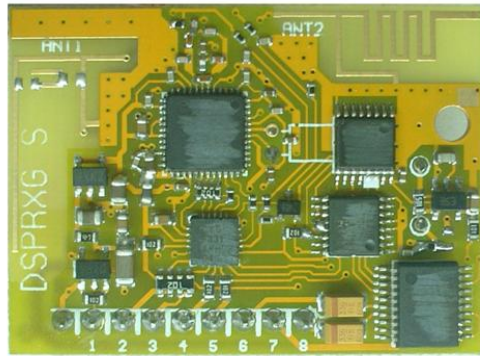

High Efficiency Digital Wireless Audio Receiver Module

**Version History**

Version	Date	Changes
V1.01	Jul.19, 2007	1 st . Edition
V1.02	Feb.2,2008	2 nd . Edition
V1.03	Aug.25,2008	3 rd . Edition

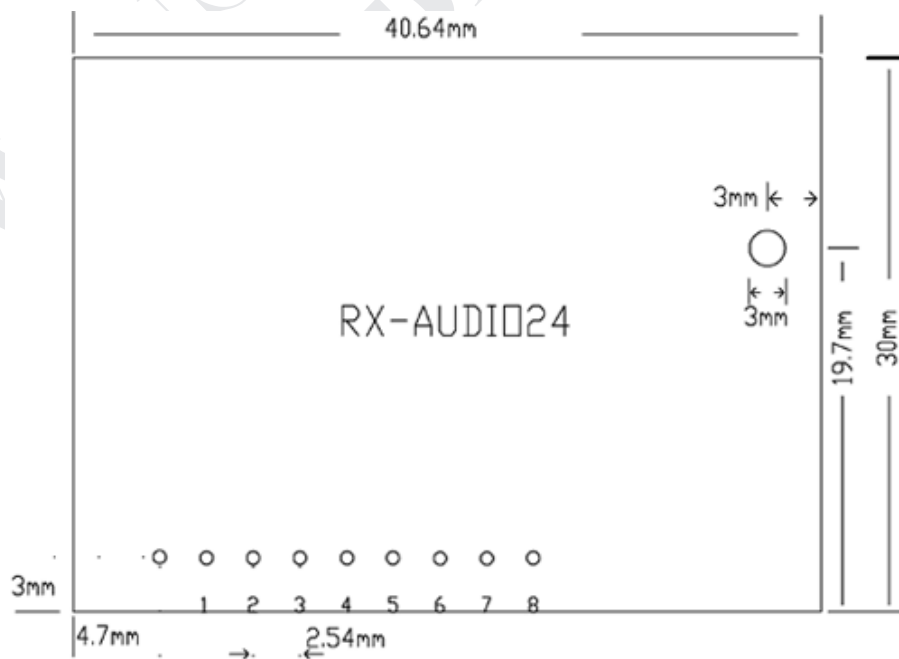
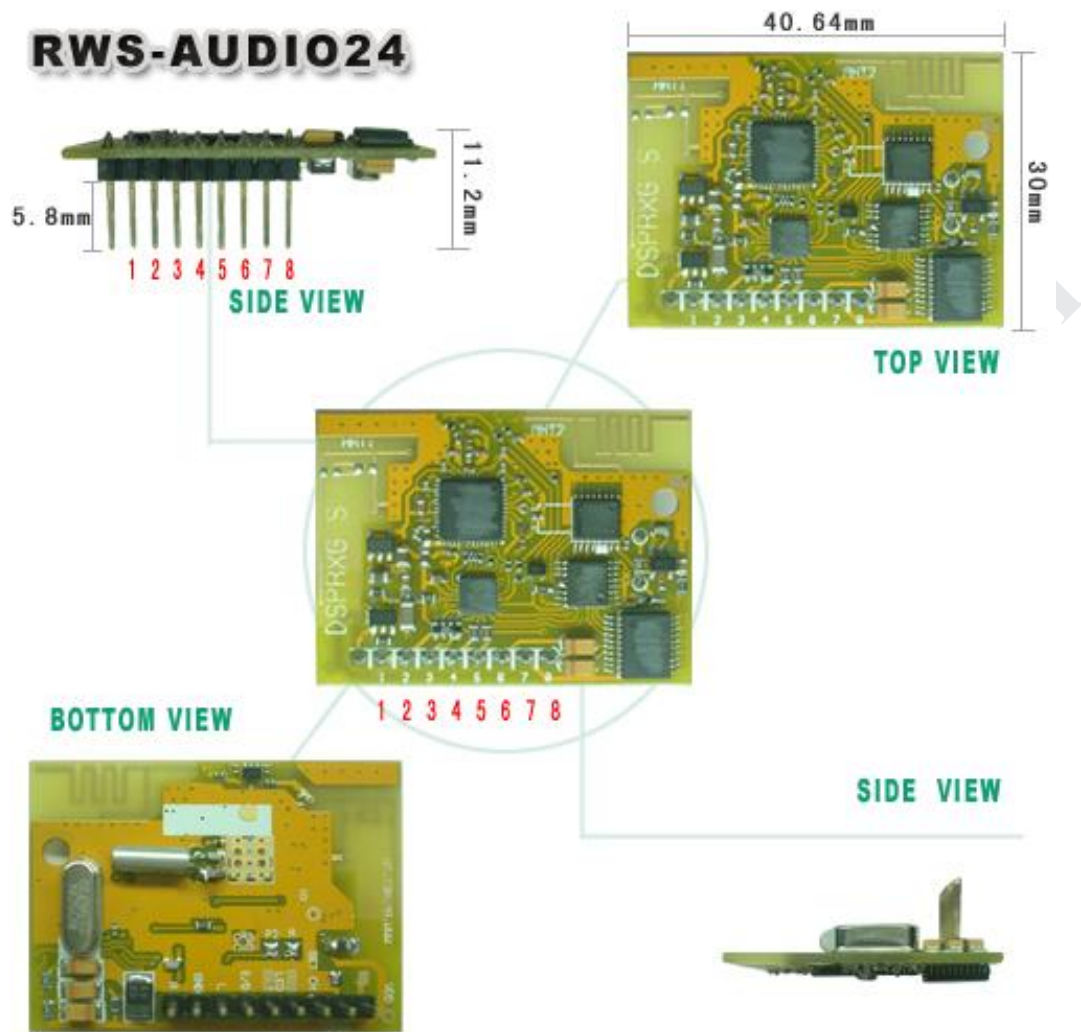
Application

- Special design for anti-disruption under audio signal transmission.
- Digital audio transmission at full CD quality.
- Provide mute function
- Transmitter and receiver channel memory
- Volume memory
- Low power design: When close the transmitter, the receiver will automatically enter to sleep condition, so that can save power consumption.
- When transmitter changes the freq., the receiver will automatically lock freq. after first time searching the new freq. In the future, when transmitter changes the channel again, the receiver will auto lock the freq.
- One transmitter can correspond with many receivers at the same time.
- Digital volume control: The volume of receiver side is controlled by transmitter side.
- Applications: Wireless Speaker, Wireless Headphone, Wireless Home Theater, Wireless Head free , Wireless Microphone, Wireless Baby Monitor, Wireless Portable, Wireless Automotive Audio.

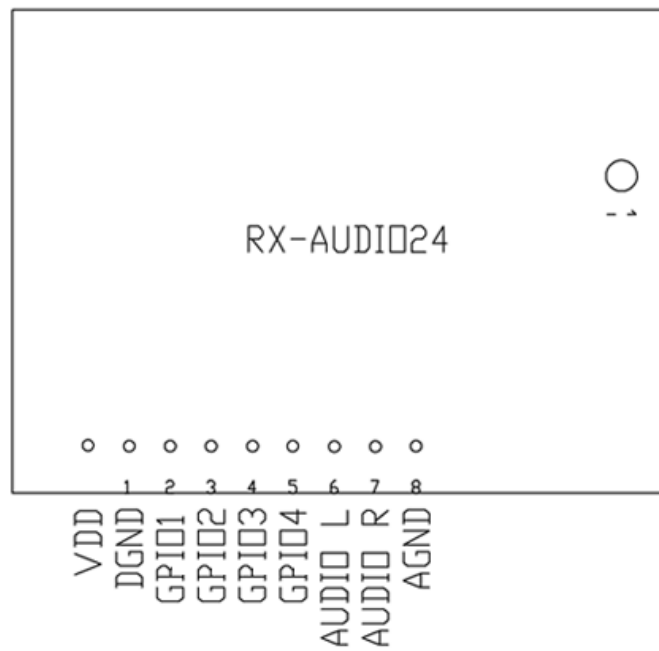
Specification

Frequency Range	2400~2449MHz
Channel	Auto search
Working Voltage	3~5V
Modulation	GFSK
Mode of Transmission	RF digital
Frequency Band	1MHz
Power Consumption	35mA
Frequency Response	20Hz~ 20KHz,-6dBm
THD	0.3% (1W)
Channel Separation	43~51dBm
Max Volume Noise	0.85mV
SN Ratio	80dBm(Typical)
Dynamic Range	80dBm(Typical)
Operating Temperature	-10~+70°C
Antenna	Dipole

Size



Pin Assignment



VDD	power
DGND	number signal earth
GPIO1	LED
GPIO2	may define
GPIO3	search channel button
GPIO4	control amplifier power
AUDIO L	AUDIO L
AUDIO R	AUDIO R
AGND	simulate signal AGND