

SRX882 Superheterodyne Receiver

1. Description

SRX882 is a low cost superheterodyne receiver module with low current consumption. It works well with our ASK transmitter STX882. It complies with the certification of ROHS, FCC, ETSI and CE. The module is easy to use and can be connected to the microcontroller directly.



2. Features

- Frequency Range: 433/315 MHZ
- Superheterodyne modulation
- High sensitivity
- Long distance working with STX882
- Standby mode current < 1uA
- Comply with ROHS, FCC, ETSI,CE
- Small size
- High stability in varies environment

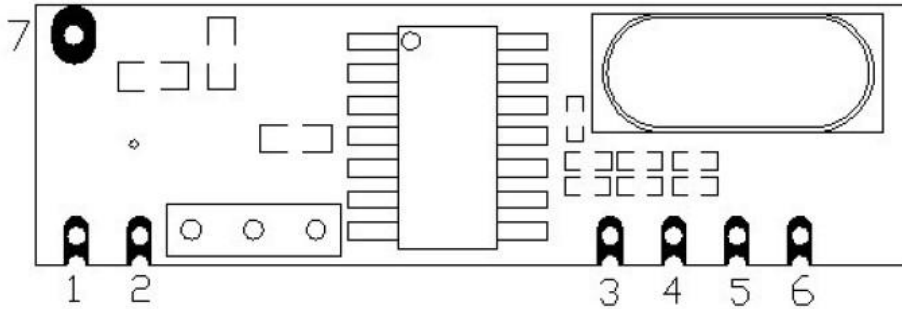
3. Application

- Wireless door bell
- Wireless security alarm
- Wireless industrial control
- Wireless data transmission
- Home automation

4. Electronic Specification

Parameter	Min	TP	Max	Unit	Condition
Operation conditions					
Supply Voltage	2.4	5	5.5	V	
Operating Temperature Range	-30		85	°C	
Latency			20	ms	@315MHZ
			9	ms	@433@HZ
Current consumption					
Consuming current		2.5		mA	@315MHZ
		2.8		mA	@433MHZ
		<2		uA	@CS=1 Or vacant
RF parameters					
Frequency Range	433.82	433.92	434.02	MHZ	@433MHZ
	314.9	315	315.1	MHZ	@315MHZ
Sensitivity		-110	-107	dBm	@1.2Kbps
Air rate	0.1		9.6	kbps	
Receiver bandwidth		200		KHz	

5. Pin definition



Pin Number	Pin Definitions	Description
1	ANT	Connect with 50 ohm coaxial antenna
2	GND	Connected to power ground
3	VCC	Positive power supply
4	CS	1: Normal working 0: Sleep mode
5	DATA	Data output
6	GND	Connected to power ground
7	ANT	Connect with 50 ohm coaxial antenna

Pin 1 and Pin 7 has the same function, user can choose either of them to use.

6. Mechanism Dimension

