Product Name: 2.4G Wireless Audio Receiver Module S-RX28

This module belongs 2.4G band with the industrial, scientific and medical non-wireless communication devices sharing the short-range micro-power radio frequency communications equipment can be transferred within a limited range of audio and / or video. Take the design of low-power integrated VCO, PLL, broadband FM video demodulator

FM sound carrier frequency, the smaller module; take the form of plug-in package, user-friendly installation requirements.

The application of this module is simply connected to the power supply, single dual audio cable, video cable, connect the antenna can receive music, image signal.

Characteristic

- 2.4G Broadband FM receiver
- Small size: 36 * 23.5 * 6mm
- Low power consumption: 3.3v110mA
- High receiver sensitivity:-90dBm
- The LHW Leak: Complies with CE, FCC requirements.
- Directly output the audio and video signals.
- 8 channel receiver.
- Switch operating modes: 8 LED
- The plug-in installation, and user-friendly.

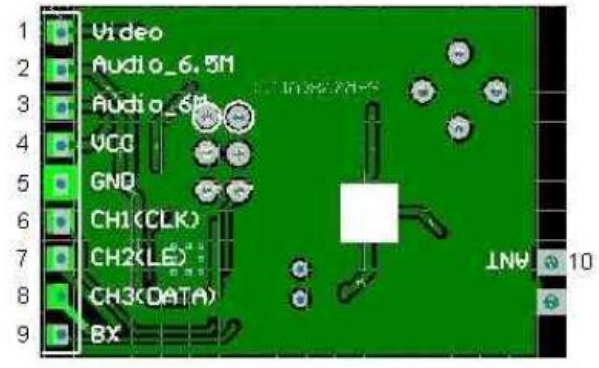
Application

1. Video wireless transmission;
2. Baby monitor;
3. Real-time live image monitoring;
4. Security transmission system;
5. PSP game turn TV
6. Wireless visual reversing

Appearance of Figure

The pin chart (bottom view)

Pin	Pin Name	I / O	Explain
1	VIDEO	O	Video output, the output impedance of 75 ohms.
2	AUDIO_6.5M	O	Audio output (R_6.5M)
3	AUDIO_6M	O	Audio output (L_6.0M)
4	VCC	I	5V power input
5	GND	I	Power ground
6	CH1 (CLK)	I	Channel 1 switch input is active low
7	CH2 (LE)	I	Channel 2 switch input is active low
8	CH3 (DATA)	I	Channel 3 switch input is active low
9	BX	I	BX default frequency mode ground
10	ANT	I	Antenna input impedance of 50 ohm



Note: 7, 8, 9 foot vacant channel 4

Absolute Maximum Ratings (in excess of the maximum rating, internal device may cause permanent damage)

Parameter	Symbol	Working conditions	The minimum	Typical values	Maximum	Unit
Supply voltage	VCC		+3.0	5	+5.5	V
Input voltage	Vi		-0.5		VCC +0.5	V
Output voltage	Vo	Load conditions are met	GND		VCC-0.5	V
Storage Temperature	Tstg	Refers only to the module itself, without packaging	-10		60	° C
Humidity			10%	50%	85%	

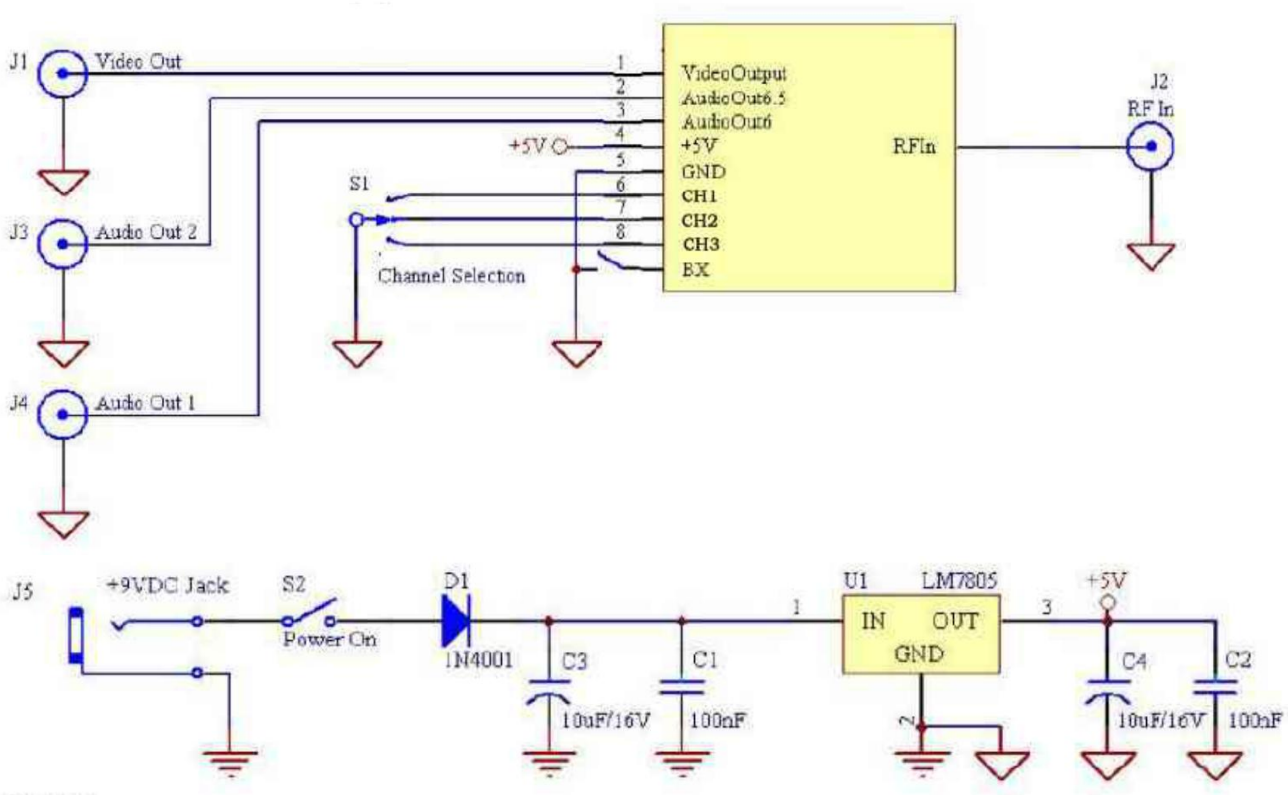
Recommended operating conditions (If you do not meet the recommended operating conditions may be less than the required electrical performance)

Parameter	Symbol	Working conditions	The minimum	Typical values	Maximum	Unit
Supply voltage	VCC		3.3	5	5.5	V
Power ripple voltage	Vlp			10	25	mVpp
Input voltage	Vi		GND	-	VCC	V
Operating Temperature	Ta	Refers only to the module itself, excluding other parts	-10	27	55	° C

Electrical Characteristics (VCC = 5.0V, Ta = 25 ° C)

Parameter	Symbol	Working conditions	The minimum	Typical values	Maximum	Unit
Supply current	Icc	Vcc = 5.0V	110	120	125	mA
Radiofrequency						
Receiver sensitivity	Pi	50Ω system	-85	-88		dBm
Receive channel frequency	CH1		2413.75	2414	2414.25	MHz
	CH2		2431.75	2432	2432.25	MHz
	CH3		2449.75	2450	2450.25	MHz
	CH4		2467.75	2468	2468.25	MHz
	CH5		2489.75	2490	2490.25	MHz
	CH6		2509.75	2510	2510.25	MHz
	CH7		2389.75	2390	2390.25	MHz
	CH8		2369.75	2370	2370.25	MHz
Frequency Stability	Fstb		-100		+100	ppm
Input impedance	Ri	50Ω system		50		Ω
Input VSWR	VSWR	50Ω system		2:1	3:1	
Video						
Video output impedance	Rvo			75Ω		Ω
Video output level	Vvo	Negative polarity, 75Ω load	0.9	1	1.25	Vpp
Frequency Response	Fbdv	50Hz ~ 6MHz	-5		+5	dB
Signal-to-noise ratio	S / N			38		dB

Audio frequency						
Subcarrier demodulation frequency	Fa		4.5	6.0/6.5	6.5	MHz
Audio output impedance	Rao	1kHz sinewave		600	1K	Ω
Audio output level	Vao1	1kHz sinewave, two-channel		0.8 *		Vpp
Frequency Response	Fbda	100 ~ 10kHz, 1.0Vpp sine wave	100		10K	Hz
Harmonic distortion	THD	1kHz, 1.0Vpp sine wave		0.6	1.5	%
Signal-to-noise ratio	S / N	1kHz, 1.0Vpp sine wave		45		dB



Frequency selection:

Frequency	BX CH1 CH2 CH3 pin	Connection
2.414G	0,011	BX CH1 ground, CH2; CH3 vacant
2.432G	0,101	BX CH2 ground, CH1; CH3 vacant
2.450G	0,110	BX CH3 ground, CH1; CH2 vacant
2.468 G	0,111	BX ground; CH1 CH2; CH3 vacant
2.490G	1,011	CH1 ground, BX CH2; CH3 vacant
2.510G	1,101	The CH2 ground BX CH1; CH3 vacant
2.390G	1,110	CH3 ground, BX CH1; CH2 vacant
2.370G	1,111	BX CH1 CH2; CH3 vacant

Dimensions