

SHENZHEN FEDEREMOTE TECHNOLOGY CO., LTD

Product Specifications

433RX-01 (433MHz Module description)

1. Overview

433RX-01 is an integrated receiver module with digital-analog hybrid design. It adopts Huapu Micro brand RF receiver chip.

The PLL reference frequency and digital clock are provided by a high-precision crystal oscillator, and the ASK/OOK demodulation output with a data rate of 1~5kbps is supported.

It has its own periodic reset function (the reset interval is 16s, and the reset time is only 3ms) to avoid various crashes caused by harsh conditions. The product has stable performance and high sensitivity, and only needs to be equipped with a data decoding circuit to easily realize wireless control development.

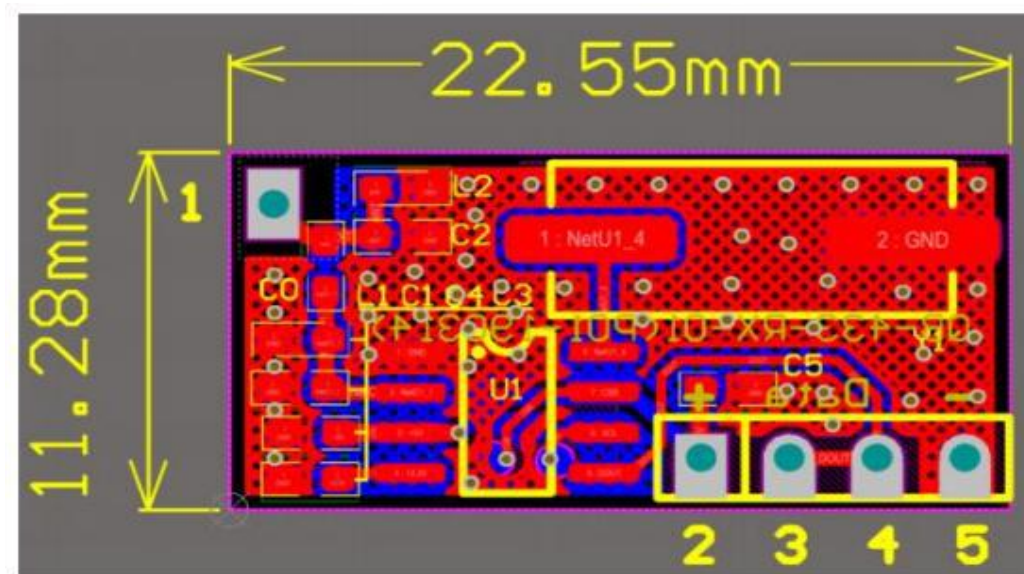


2. Product Features

Material	FR4
Working frequency and modulation	433.92MHz , ASK/OOK
data rate	1~5Kbps
Sensitivity	-109dBm(3.0kbps) , 0.1%BER
receive bandwidth	330KHz
Operating Voltage	3~5.5v
Working current	5.0MA
Operating temperature	-20°C to +60°C

Others	<p>Good selectivity and stray radiation suppression capability, good local oscillator suppression capability</p> <p>Multiple modules work together (single sending and multiple receiving) will not interfere with each other and will not affect the receiving distance.</p> <p>RF radio frequency is susceptible to radiation interference from speakers, motors, transformers and metal shielding. Please try to keep the receiving end away from these interference factors. If it must be installed in a metal case, please pull out the antenna; ensure that the power supply of the module stable.</p>
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3. Pin description



Pin	Name	Pin function
1	ANT	Antenna input
2	VCC	Power +
3	DATA	Data output
4	DATA	Data output
5	GND	GND

Note: The distance between the center of the pin is 2.54mm

The module needs to match the external spring antenna. If the installation space allows, the antenna can be properly elongated for better effect.