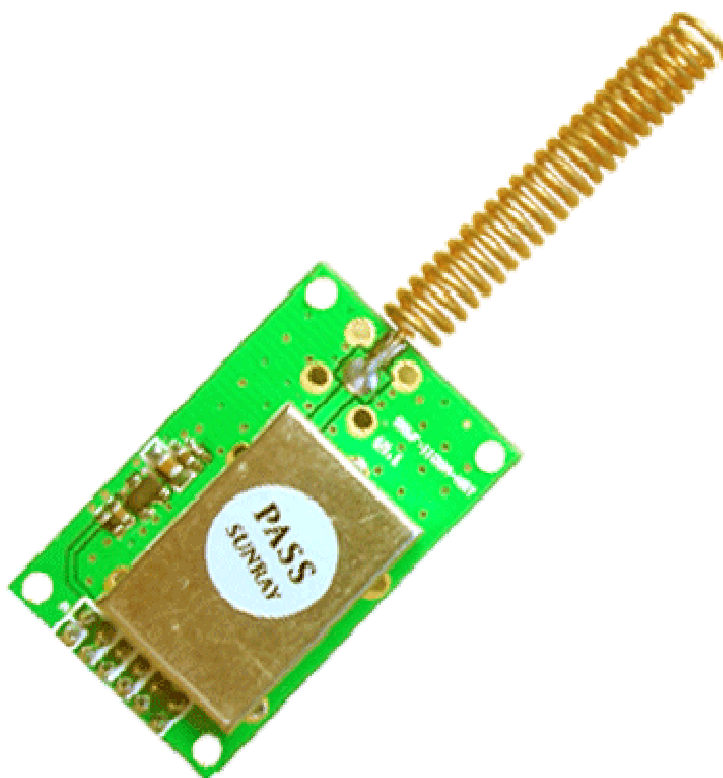


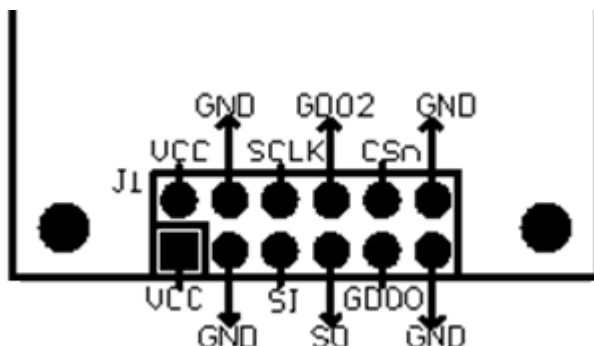


SRWF-1100(10mW)(V1.2) Series Low Power Wireless Transceiver Data Module User Manual



SRWF-1100 series low-power wireless transceiver data module without MCU is mainly used as second development for client. We only supply operating pin of the module, detailed descriptions as follow.

I. Pin Description



Pin No	Pin Name	Description
1	VCC	Power supply DC
2	VCC	Power supply DC
3	GND	Grounding of Power Supply
4	GND	Grounding of Power Supply
5	SI	Serial configuration interface, data input
6	SCLK	Serial configuration interface, clock input
7	SO	Serial configuration interface, data output. Optional general output pin when CSn is high
8	GDO2	Digital output pin for general use: <ul style="list-style-type: none"> • Test signals • FIFO status signals • Clear Channel Indicator • Serial output RX data
9	GDO0	Digital output pin for general use: <ul style="list-style-type: none"> • Test signals • FIFO status signals • Clear Channel Indicator • Serial output RX data • Serial input TX data Also used as analog test I/O for prototype/production testing
10	CSn	Serial configuration interface, chip select, low in effect
11	GND	Grounding of Power Supply
12	GND	Grounding of Power Supply

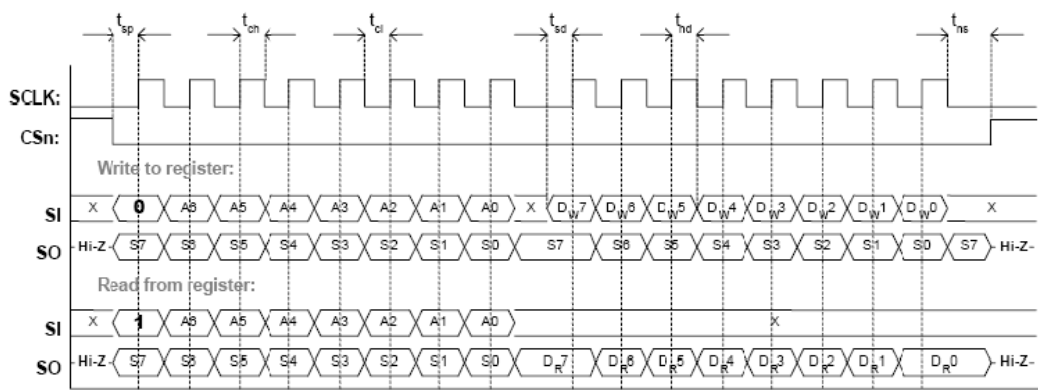
Remark: ◆CC1100 Datasheet need the newest edition

◆more message from CC1100 Datasheet

1.Power

SRWF-1100 supply voltage is 2.7V~3.6V,advise 3V. If the MCU supply voltage is higher than SRWF-1100,that need a resistance between the I/O interface and each and every operating port, and it is not allowed that voltage discrepancy is large(advise use the same power).

2. Configuration registers write and read operations as follow:



Configuration registers write and read operations

When CSn is low,we can operate configuration registers.After write written order and configuration address ,you may change or read state of configuration.The mode of opriting contain single byte read/write ,seriate byte read/write or together. Each register decide one mode itself.

II. Technical specification

All measurement results are obtained at normal temperature (Tc = 25° C)

Power supply: DC2.7~3.6;

Transmission power: ≥10dbm;

Receiving sensitivity: ≤-112dbm(@433MHz 1200bps);

RF carrier phase noise: ≤-90dbc/Hz;

Transmitting current: 30±5mA;

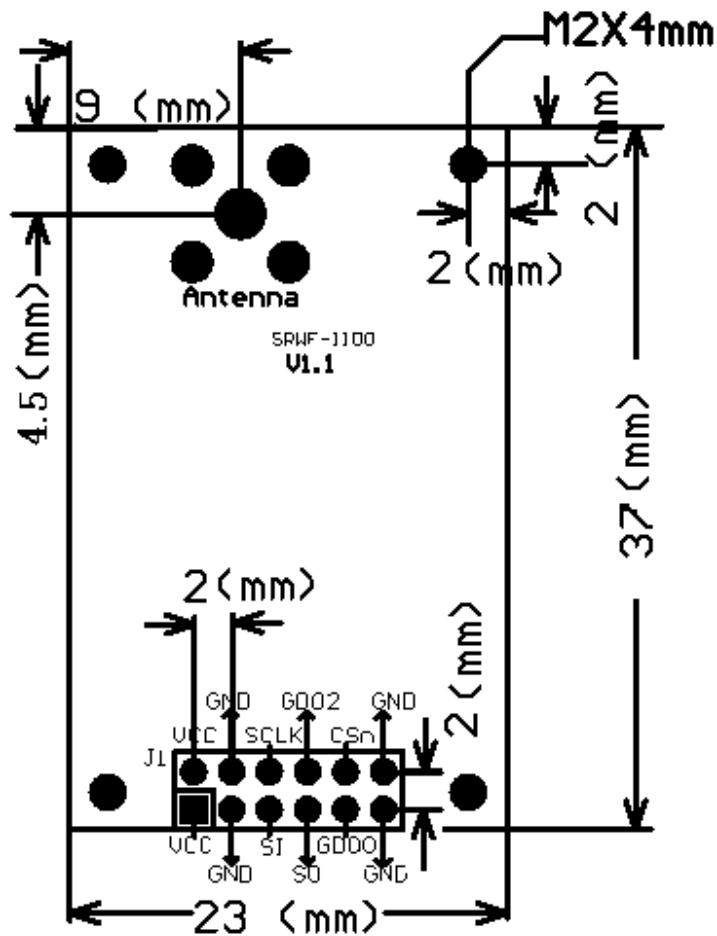
Receiving current: $18 \pm 5 \text{mA}$;

Sleeping current: $\leq 2 \mu\text{A}$;

Work frequency: 432.9940~432.9970 MHz;

Reliable Communication distance: 250m;

III. Sketch map of structural size





IV. technology support and after service

We offer sufficient technology support for user use the module and second development for free; mending broken module one year for free, always offer after service.

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