

N507

CC1101 PA FSK RF SPI Module,384-464,860-960Mhz

INTRODUCTION

N507 is a low-cost and small size RF module for transmitting and receiving digital data via radio frequency. All of the N504's electronics (don't including an antenna) reside on a single PCB, and all operational power is derived from a single supply voltage.

The transceiver module design consists of a CC1101 low-power, integrated sub 1G transceiver RF chip,all IO pin are brought out.The module available frequency is from 384 to 464Mhz,860 to 960Mhz,The hardware is designed for maximum range.

Technical specifications

Hardware Information

Interfaces: SPI
Dimension: 27 x 23mm x 3mm
Operating voltage: VCC: 2 - 3.6V
PAOperating voltage: VCCPA: 3 - 5V
Operating temperature: -30°C to +70°C

Consumption(Sleep) : 2uA
Consumption (RX): 22mA
Consumption (TX): 300mA
RF chip: CC1101
Mounting: SMD

Software

Asynchronous Transparent
mode Low Power mode
Secure mode

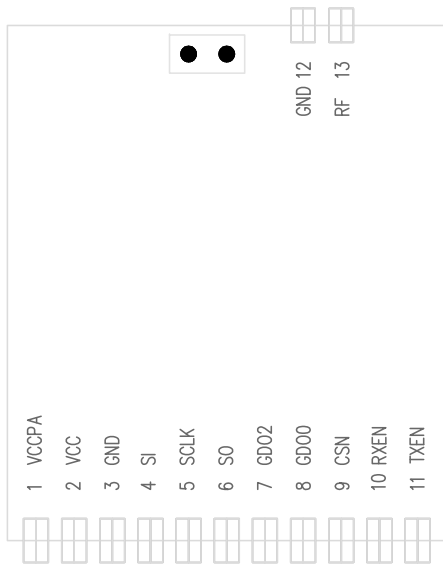
RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

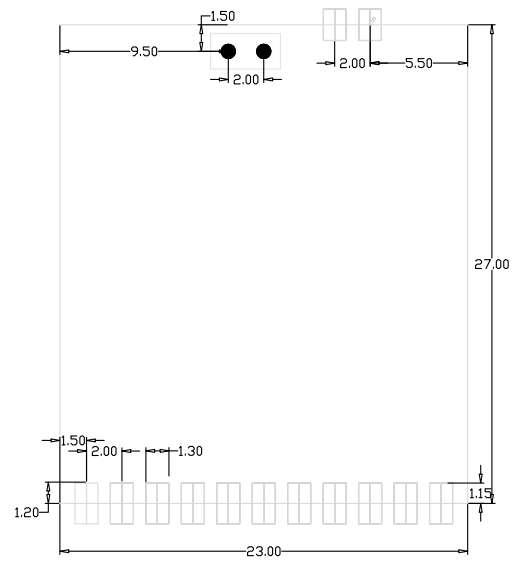
RF pin
Frequency:384-464Mhz,860-960Mhz
Modulation: FSK
RF deviation: ± 10 Khz

RF data rate: 1.2 - 500kbps
RF output power: up to 24dBm
RF sensitivity: -116dBm

Pin configuration & Dimensions



PIN define



PCB LAYOUT(mm)

Transmit & Receive Logic

	TXEN	RXEN
Transmitt	1	0
Receive	0	1
Sleep	0	0

Part numbers

N504-A-S-434M RF Module N504-A-S-434M – 10mW – 384-464Mhz

OTHER MODULES OF BANDS RANGE

N504-A-S-868M RF Module N504-A-S-868M – 10mW – 860-960Mhz

Manufacturer

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