

N203

CC2543 2.4G ISM FSK RF Module



INTRODUCTION

N203 is a low-cost and small size module for transmitting and receiving digital data via radio frequency. All of the N203's electronics (including an antenna) reside on a single PCB, and all operational power is derived from a single supply voltage.

The transceiver design consists of a TI CC2543 low-power, integrated UHF transceiver RF chip, The module used PCB antenna. The module available frequency is from 2397Mhz to 2495mhz, The hardware is designed for maximum range and optimal battery life.

N203 can be used with N206 to transmit N203's data to PC.

Technical specifications

Hardware Information

Interfaces: UART (x2)
A/D & D/A converters
PWM timers
Dimension: 24 x 16 x 3 mm
Operating voltage: 3.3V
Operating temperature: -30°C to +70°C

Consumption (Sleep): 1uA
Consumption (RX): 21mA
Consumption (TX): 35mA (5dBm)
Wireless Micro-controller: CC2543
Mounting: SMD

Software

Asynchronous Transparent mode
Low Power mode
Secure mode

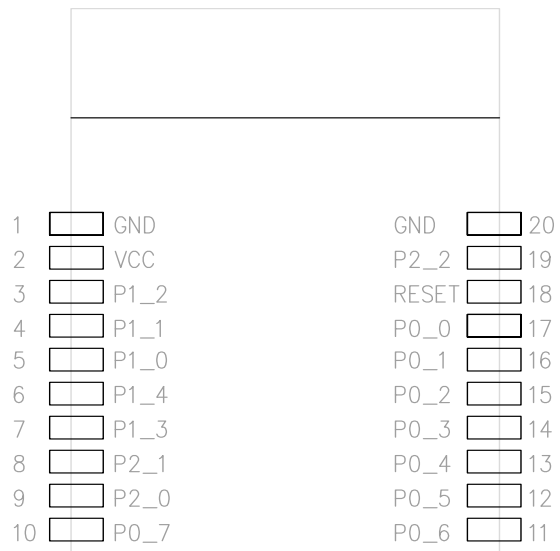
RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

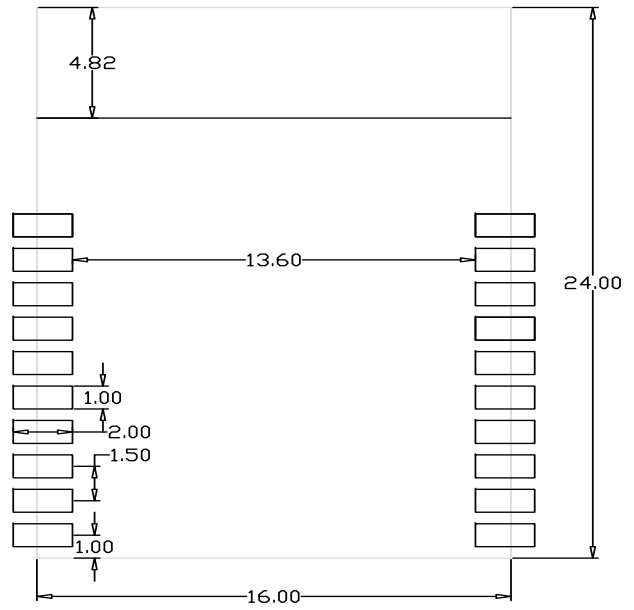
RF antenna, ipex
Frequency: 2397 to 2495MHz
Modulation: 4GFSK, 2GFSK, 2FSK
RF deviation: ± 10 KHz

RF data rate: from 250K to 2Mbps
RF output power: up to 5dBm
RF sensitivity: -98dBm

Pin configuration & Dimensions

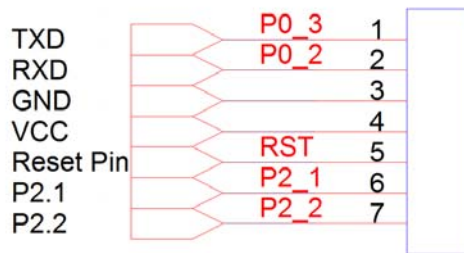


Pin Define



PCB Layout (mm)

Debug interface



Part numbers

N203-A-P-2.4G RF Module N203-A-S – 5mW – 2400Mhz

OTHER MODULES OF BANDS RANGE

N206-A-P-2.4G RF Module N204-A-P – 5mW – 2400Mhz

Manufacturer

SHENZHEN NANCHENG TECHNOLOGY CO.,LTD

Notice

This module have not any fireware,custom must use your own firmware.

More about CC2543 information please see the CC2543 datasheet.

Contact with us

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