

N503

CC1101 FSK RF Module,410-464Mhz,860-960Mhz



INTRODUCTION

N503 is a low-cost and small size FSK RF module for transmitting and receiving digital data via radio frequency. All of the N503'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: 17 x 16mm x 3mm
Operating voltage: VCC: 2 - 3.6V
Operating temperature: -30°C to +70°C

Consumption(Sleep) : 2uA
Consumption (RX): 17mA
Consumption (TX): 30mA RF
chip: CC1101 Mounting:
SMD

Software

Asynchronous Transparent
mode Low Power mode
Secure mode

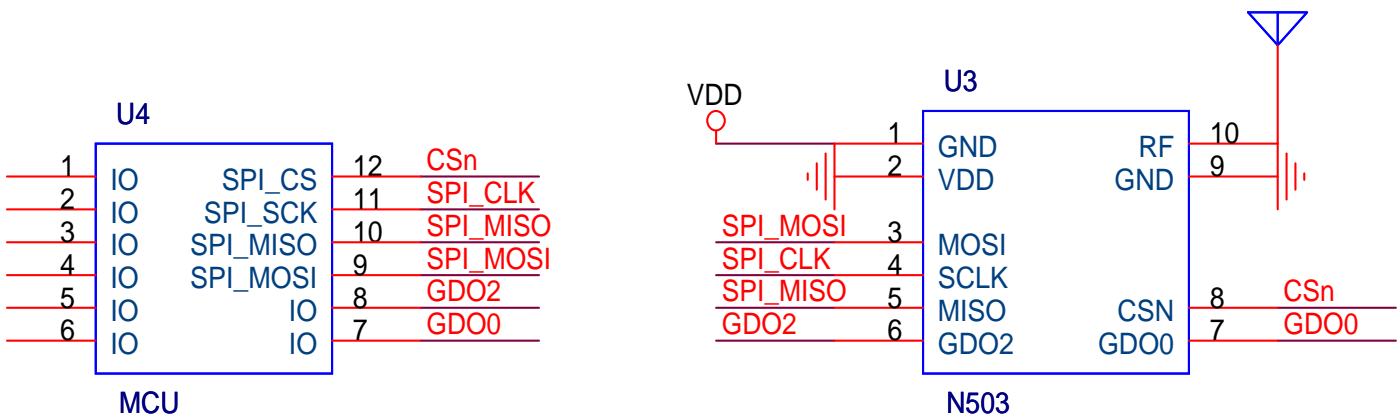
RSSI mode
Serial bootloader
Adjustable packet size

Wireless Interface

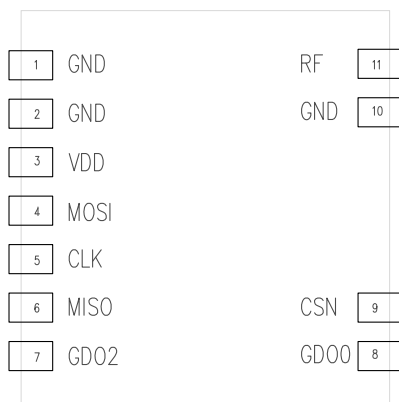
RF pin
Frequency: 384-464Mhz, 860-960Mhz
Modulation: FSK
RF deviation: ± 10 Khz

RF data rate: 1.2 - 500kbps
RF output power: up to 12dBm
RF sensitivity: -116dBm

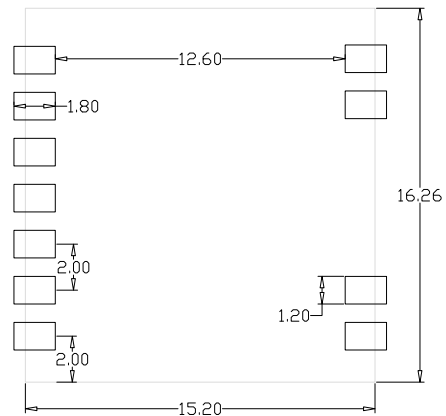
Debug interface



Pin configuration & Dimensions



PIN define



PCB LAYOUT(mm)

Part numbers

N503-A-S-434M RF Module N503-A-S-434M – 10mW – 384-464Mhz

OTHER MODULES OF BANDS RANGE

N503-A-S-868M RF Module N503-A-S-868M – 10mW – 860-960Mhz

Manufacturer

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