NRF51822 BLUTOOTH 4.0 MODULE V1

NRF51822 Module Bluetooth Module ble4.0 Development Board 2.4G Low Power Onboard Antenna Bluetooth 4.0

Feature:

Core51822 use Rev3 version chip, double RAM to 32 KB, support higher version of the SDK, all program is compatible with the original Rev2 version of the chip.
Based on the bluetooth module 4.0 nRF51822, small size, stable and reliable, and can be directly used in the product.
nRF51822 is a multi-protocol single-chip solution for CHAODI power consumption wireless applications (ULP wirelesss applications). It integrates Nordic high wireless transmitter, and supports Bluetooth(R) low energy and dedicated 2.4GHz protocol stack.

Parameters :

The main control chip: nRF51822
Communication distance: 30 m (condition: empty area / 1 m rate)
Working frequency: 2.4 GHz
Operating voltage: 2.0 V to 3.6 V

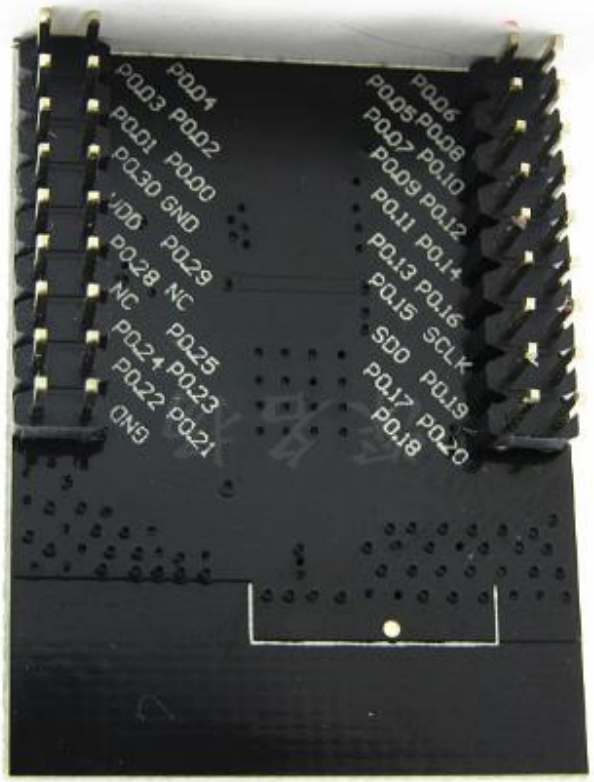
Temperature range: - 40 ℃ ~ 85 ℃
Size: 24.5 mm x 32.26 mm (PCB)
Interface: in addition to the P0.26 and P0.27, all I/O interface
Row needle spacing: 2.00 mm
On both sides of the row needle spacing: 18.00 mm
Antenna: on-board antenna

Application:

Wearable devices
Bluetooth intelligent application
Mobile phone peripherals
The RF smart radio tags
Intelligent household appliances
Industrial control
Data acquisition system

nRF51822 introduction :

NRF51822 is an ultra low power wireless applications (ULP wirelesss applications) of multi-protocol single chip solutions.
It integrates the Nordic first-class wireless transmitter, at the same time support Bluetooth (R) low energy and special 2.4 GHz protocol stack.
Basic situation is:
More than 2.4 GHZ radio frequency agreement
The 32-bit ARM processor architecture (M0
A 128 - bit AES hardware encryption processor
256 KB flash / 32 KB of RAM
PPI programmable peripheral interface
A fully functional digital interface: SPI/I2C/UART
10 the ADC
Programmable output power: + 4 DBM to - 20 DBM
Application development and completely independent in the protocol stack
Fully compatible with NRF24L series
Compatible with NRF51xxx series tube feet
Global independent power management
Working voltage range (1.8 V ~ 3.6 V)


P0.04
P0.03 P0.02
P0.01 P0.00
P0.30 GND
VDD P0.29
P0.28 NC
NC P0.25
P0.24 P0.23
P0.22 P0.21
GND
P0.06
P0.05 P0.08
P0.07 P0.10
P0.09 P0.12
P0.11 P0.14
P0.13 P0.16
P0.15 SCLK
SDO P0.19
P0.17 P0.20
P0.18