

## **NST nRF51822 BLE/2.4G Module (KNRF51822 B40)**



### **Description**

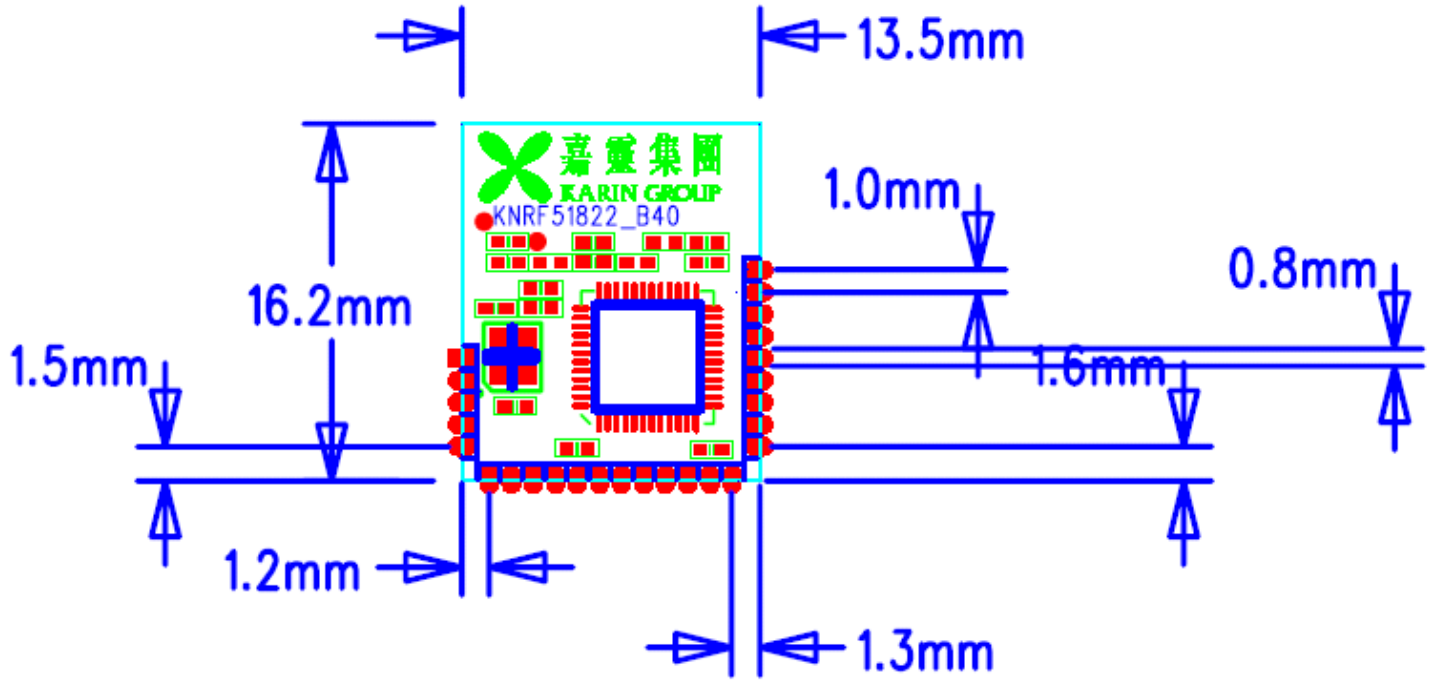
- BLE / 2.4GHz Multi-Protocol Device
- 32-bit ARM Cortex M0 CPU Core
- 256/128KB Flash, 16KB RAM
- Supports S110/120/130 Bluetooth Low Energy Protocol Stack
- On Air Compatible with nRF24L series
- 3 Data Rates (2Mbps/1Mbps/250Kbps)
- +4 to -20dBm Output Power
- -93 dBm Sensitivity, BLE
- Configurable I/O mapping for Analog and Digital I/O
- Event Driven API
- PPI System

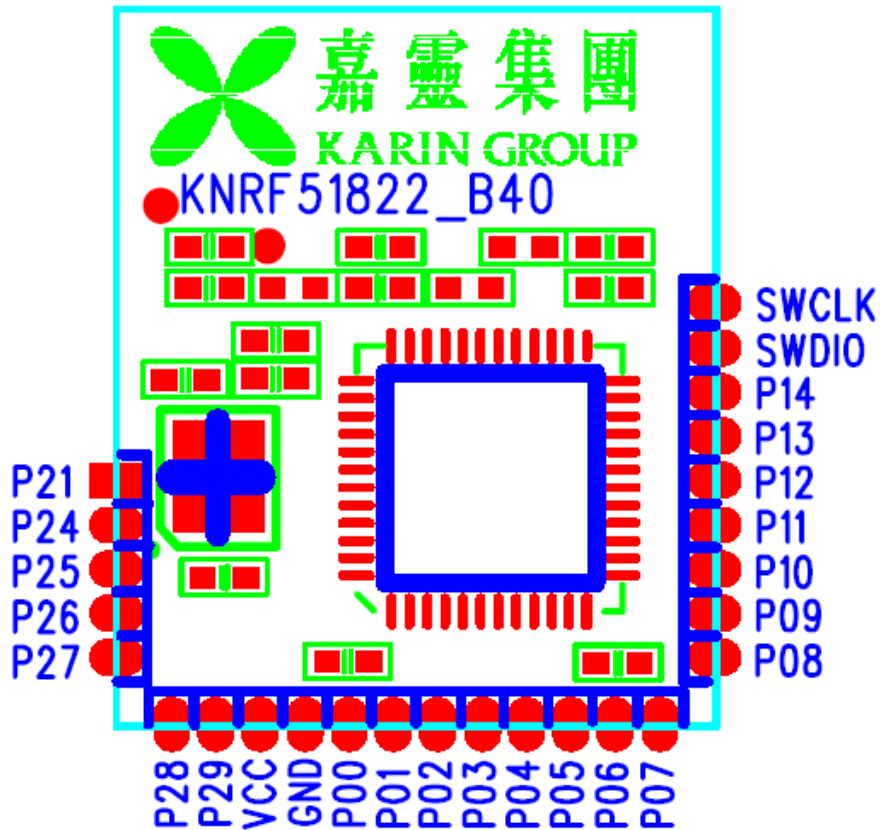
### **Application**

- Mobile Phone Accessories
- PC Peripherals
- Consumer Electronic Remote Control
- Proximity / Alert / Sport / Fitness / Healthcare Sensors
- Toys and Electronic Games

## Module Information

Part No.	Description
KNRF51822_B40	Core IC Nordic : nRF51822





## Technical Specifications

Parameters	
Supply voltage	1.8~3.6V DC
Current consumption	11.8mA typ
PCB Size	13.5mm x 16.2mm
Operating temperature	-25 to + 75 °C
Frequency range	2400 – 2483.5 MHz
Tx power	+4 to -20 dBm
Rx sensitivity	-93 dBm typ
Antenna	PCB Antenna



新靈電子技術開發有限公司

New Spirit Technology Limited

嘉靈集團成員 A member of Karin Group



## Ordering Information

Ordering P/N	Module P/N	Embed IC
518B40AAH	KNRF51822_B40	nRF51822-QFAA-R
518B40ABC	KNRF51822_B40	nRF51822-QFAB-R
518B40ACA	KNRF51822_B40	nRF51822-QFAC-R

This product specification contains final product specifications. We reserve the right to make changes at any time without notice in order to improve design and supply the best possible product.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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