

NST nRF52810 BLE/2.4G Module (KNRF52810 E2S)



Description

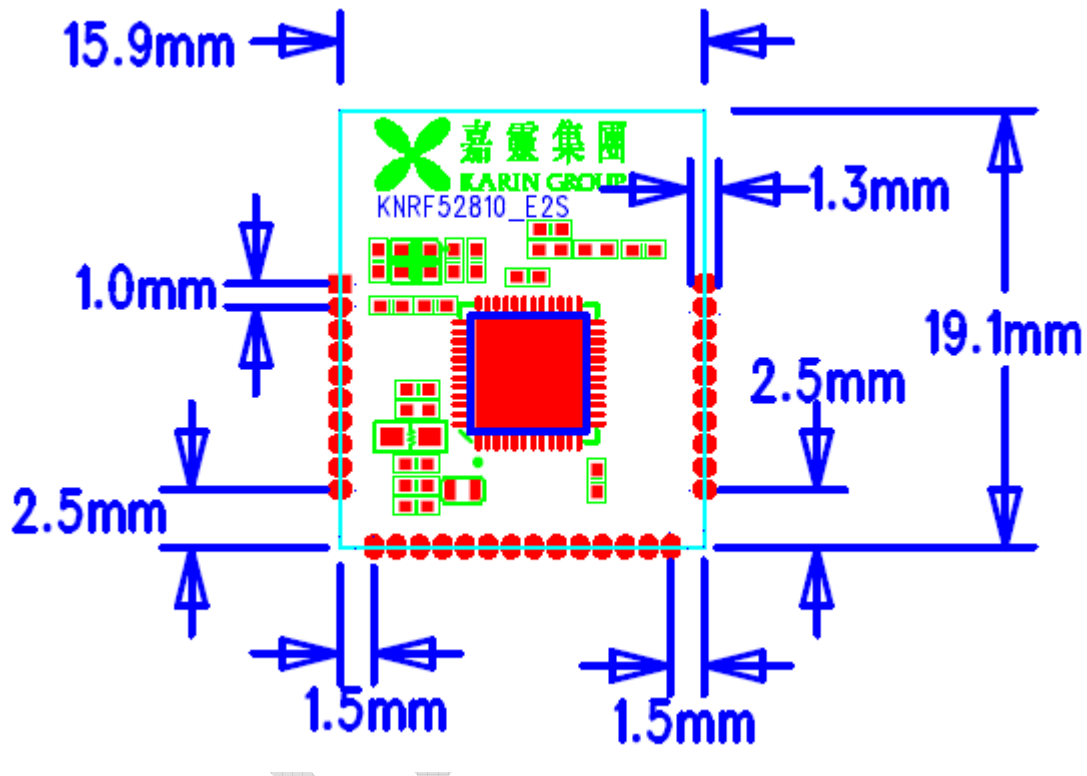
- BLE / 2.4GHz Multi-Protocol Device
- 32-bit ARM Cortex M4 CPU Core
- 192KB Flash, 24KB RAM
- Supports S132/212/332 Bluetooth Low Energy Protocol Stack
- On Air Compatible with nRF51, nRF24AP, nRF24L series
- 2 Data Rates (2Mbps/1Mbps)
- +4 to -20dBm Output Power
- -96 dBm Sensitivity, BLE
- SPI / 2-wire / UART / PWM / all with EasyDMA
- Flexible & Configurable GPIO
- PPI System

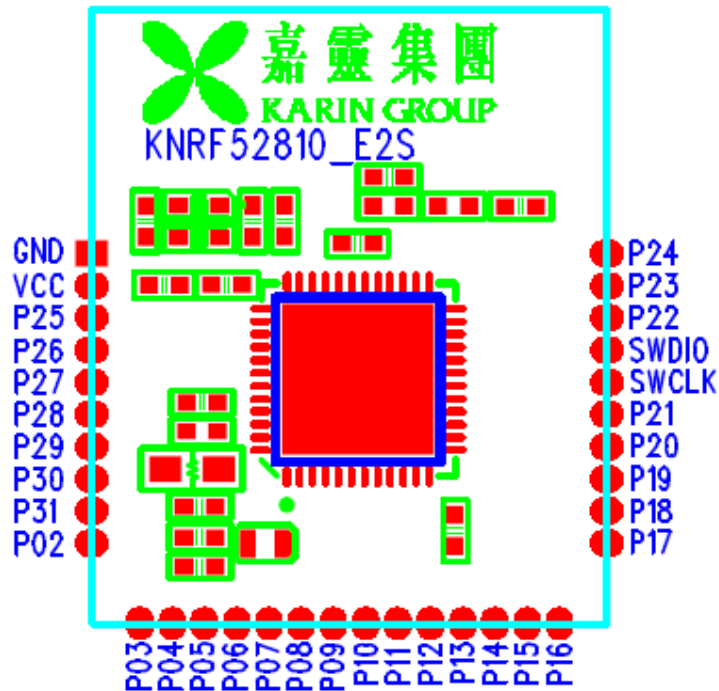
Application

- IOT
- Mobile Phone Accessories / PC Peripherals / A4WP(Airfuel)
- Consumer Electronic Remote Control
- Proximity / Alert / Sport / Fitness / Healthcare Sensors
- Toys and Electronic Games

Module Information

Part No.	Description
KNRF52810_E2S	Core IC Nordic : nRF52810





Technical Specifications

Parameters	
Supply voltage	1.7~3.6V DC
Current consumption	7.6mA typ
PCB Size	15.9mm x 19.1mm
Operating temperature	-25 to + 75 °C
Frequency range	2400 – 2483.5 MHz
Tx power	+4 to -20 dBm
Rx sensitivity	-96 dBm typ
Antenna	PCB Antenna

Ordering Information

Ordering P/N	Module P/N	Embed IC	Shielding	RTC Crystal
528E2SASR	KNRF52810_E2S	nRF52810-QFAA-R	Y	Y
528E2SANN	KNRF52810_E2S	nRF52810-QFAA-R	N	N
528E2SASN	KNRF52810_E2S	nRF52810-QFAA-R	Y	N
528E2SANR	KNRF52810_E2S	nRF52810-QFAA-R	N	Y

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.