nRF 54 SERIES

NORDIC
SEMICONDUCTOR

nRF54L15

Module Partners based on nRF54L15

ISP2454

INSIGHT SIP

Bluetooth® 5.4 Low Energy Module, small footprint

This ultra-compact LGA module, 8 x 8 x 1mm, is based on the ultra-low power nRF54L15 chip that offers a multi-protocol radio and advanced security features. Its powerful Cortex-M33 processor, expanded memory and new set of peripherals, combined with Insight SiP capability for best-in-class antenna design, this module provides the perfect solution for drop-in Bluetooth® connectivity. It is also a direct upgrade to the ISP1507/ISP1807 series with pin-to-pin compatibility.

nRF 54 L SERIES

PAN B511-1x

Panasonic

Next gen Bluetooth® 5.4 Module, cost-effective, high performance

The PAN B511-1x is a Bluetooth® 5.4 Low Energy module based on the Nordic nRF54L15 single chip controller. It is available with an on-board chip antenna and with a RF-bottom pad.

The all-in-one SoC including a superset of the most prominent nRF54 Series features combined with more performance and memory, while minimizing current consumption. In addition, the ultra-low current consumption of the PAN B511-1C makes the module an ideal choice for battery powered devices.

The small size hybrid castellated holes & LGA footprint design offers the possibility for optical outgoing inspection, 2-layers designs and fast prototyping with hand soldering, while still offering more GPIOs on the bottom if needed.

ME54BS01

MINEW

High Cost Performance, Ultra-low Power Bluetooth® 5.4 LE Module

ME54BS01 is a highly flexible, ultra-low power, cost-effective Bluetooth® module based on nRF54L15.

Its powerful Arm® Cortex®-M33 CPU has a core running speed of 128Mhz. In addition, it also has 1.5MB NVM space and 256KB RAM. It is also designed for PSA Level 3 certification and has high security protection. The hardware is equipped with an onboard antenna, and the integrated design highlights the higher performance of the nRF54 series and provides more GPIO development and use.

At the same time, the ultra-low system power consumption and excellent RF performance as well as other powerful supporting resources can provide a perfect solution for Bluetooth® connection.

Applications

Computer Accessoires	Game controllers & Remotes	Industrial IoT	Medical Devices	Smart Home	VR and AR