

nRF54L15 DK Hardware

Last Updated Nov 12, 2024 |  1 minute read | # [nRF54L15](#) # [Development Kits](#)

The nRF54L15 DK is a hardware development platform used to design and develop application firmware on the nRF54L15 [System on Chip \(SoC\)](#).

Note: Click [nRF54L15 DK Hardware](#) to download the PDF version of this document.

Key features

- nRF54L15 SoC in QFN48 package
- Support for the following wireless protocols:
 - Bluetooth® Low Energy
 - NFC
 - 802.15.4
 - Thread®
 - 2.4 GHz proprietary
- 2.4 GHz and NFC antennas
- [Microwave coaxial connector with switch \(SWF\)](#) RF connector for direct RF measurements
- User-programmable LEDs (4) and buttons (4)
- SEGGER J-Link OB programmer/debugger
- Two [Universal Asynchronous Receiver/Transmitter \(UART\)](#) interfaces through virtual serial ports
- USB connection to debugger for debugging, programming, and power
- Pins for measuring power consumption
- nPM1300 PMIC providing a 1.8 V to 3.3 V user-programmable power supply from USB

Kit content

The nRF54L15 DK includes hardware, preprogrammed firmware, documentation, hardware schematics, and layout files.

The nRF54L15 DK (PCA10156) comes with an NFC antenna.

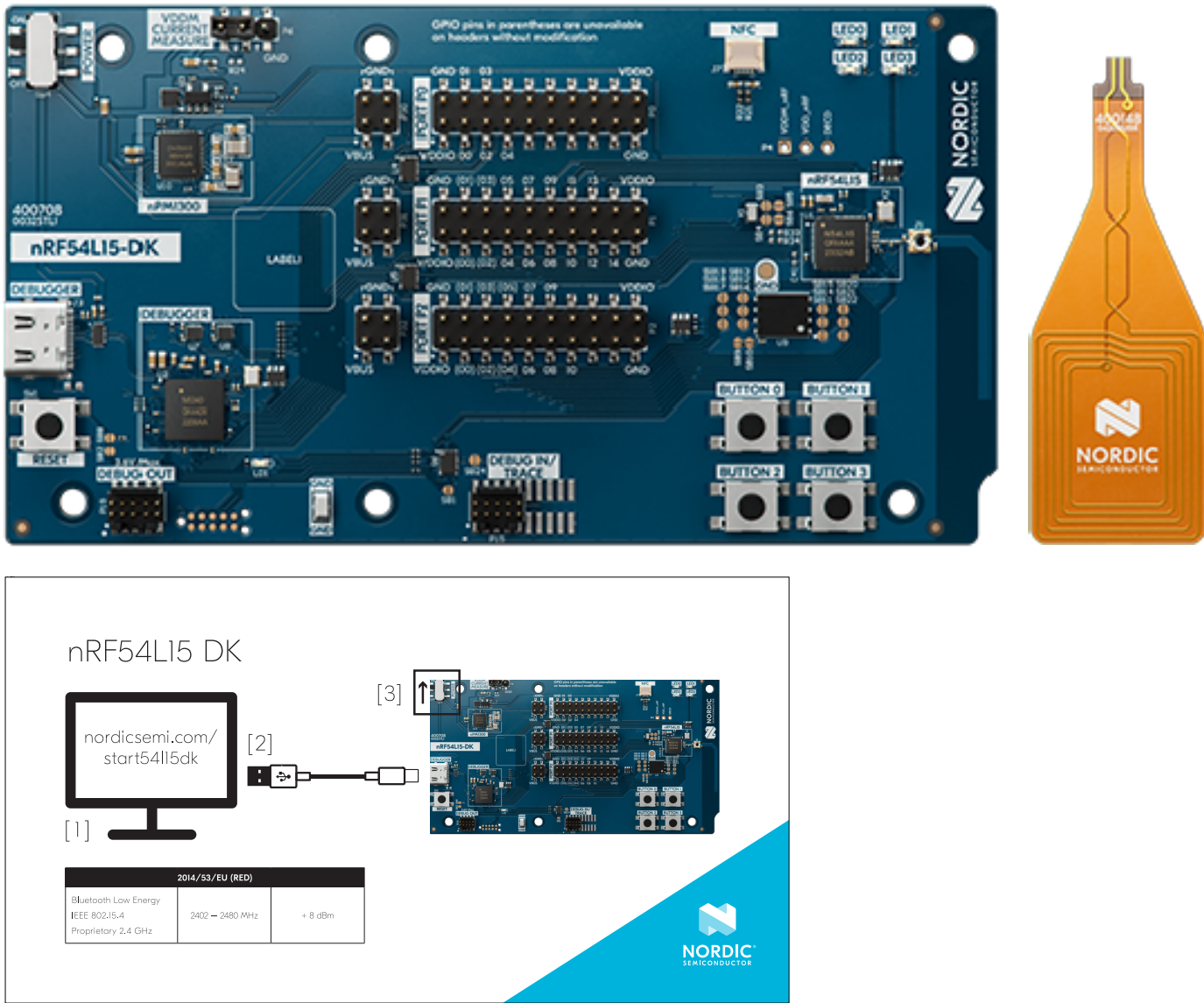


Figure 1. nRF54L15 DK (PCA10156) and NFC antenna

The hardware design files for the nRF54L15 DK are available on the [nRF54L15 DK](#) product page. They include the following resources:

- Schematics
- [Printed Circuit Board \(PCB\)](#) layout files
- Bill of materials
- Gerber files

[Revision history](#)

[Environmental and safety notices](#)

[Hardware description](#)

The main components of the DK include the nRF54L15 [SoC](#) and hardware peripherals that add functionality and configuration options.

[Program and debug](#)

The debugger on the nRF54L15 DK programs and debugs the nRF54L15 application firmware.

[Measurements](#)

Current and radio frequency (RF) can be measured on the nRF54L15 DK.

[Glossary](#)

The glossary contains terms and acronyms that are used in this document.

[Recommended reading](#)

In addition to the information in this document, you may need to consult other documents.

[Legal notices](#)

By using this documentation you agree to our terms and conditions of use. Nordic Semiconductor may change these terms and conditions at any time without notice.

Feedback

- About
- [Terms of Service](#)
- [Privacy Policy](#)
- [Contact Us](#)

Support



Follow us!



Copyright © 2008 - 2024 Nordic Semiconductor ASA. All Rights Reserved.

Powered By [\[ZOOMIN\]](#)