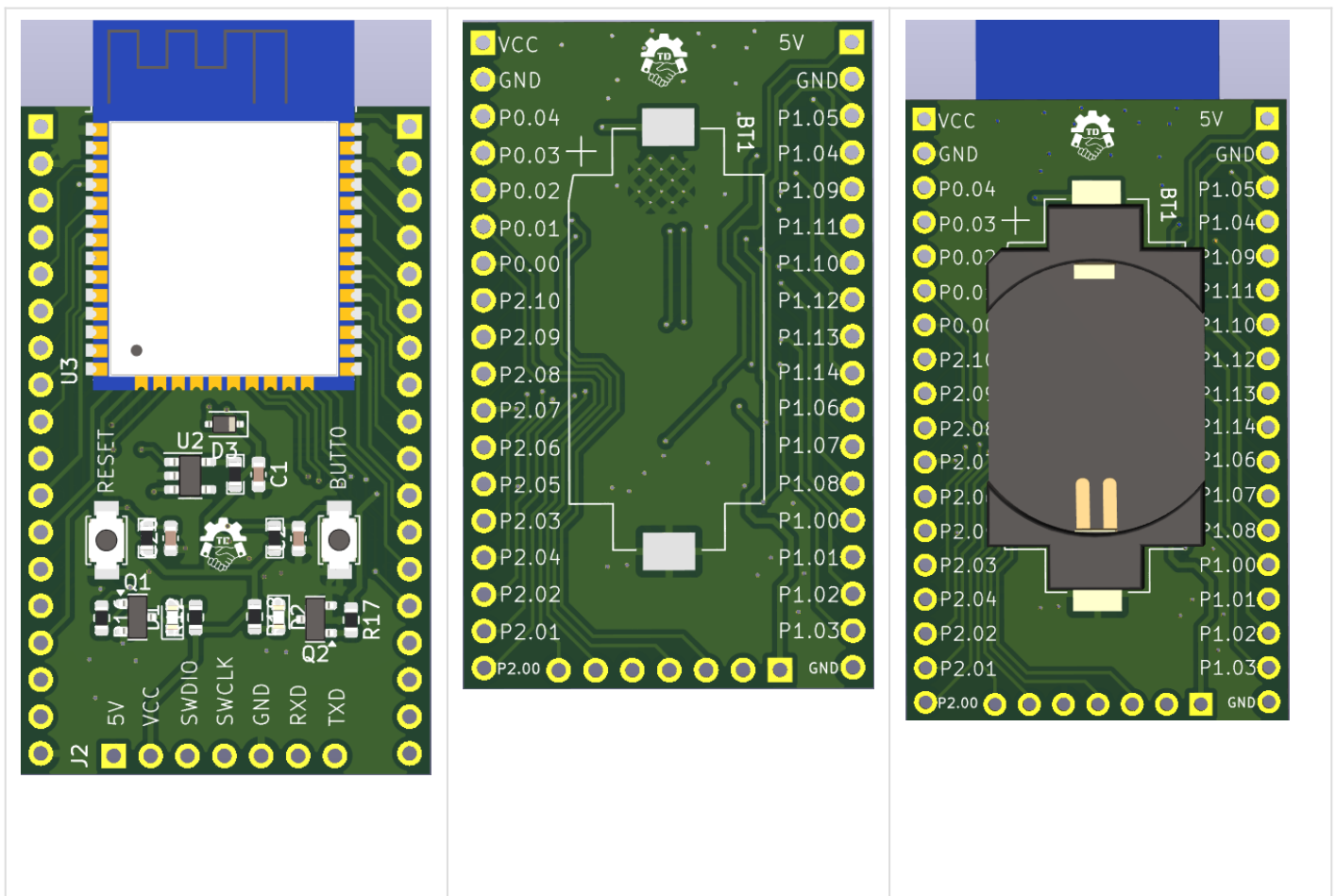


# TDM2509-nRF54L Mini Development KIT

## Introduction

The **nRF54L15 DK** is a **development kit** designed for **wireless SoCs** in the **nRF54L series** by **TDMAKER**. It supports **Bluetooth Low Energy (BLE) 6.x**, **Bluetooth Mesh**, **Matter**, **Thread**, **Zigbee**, **ANT**, and **NFC**, making it an excellent choice for **IoT**, **smart devices**, and **embedded systems**.



## Key Specifications

- **Processor:** nRF54L15 SoC

- **Wireless Connectivity:** BLE 6.x, Bluetooth Mesh, Matter, Thread, Zigbee, ANT, NFC
- **Operating Frequency:** 2.4GHz
- **Interfaces:** GPIO, UART, SPI, I2C, PWM, ADC
- **Development Support:** nRF Connect SDK, Nordic Developer Academy
- **Power Supply:** 5V or 3.3V via J2 connector to programming Adapter
- **Integrated PCB Antenna**
- **Battery option for experiment low power working mode**

## Key Features

- **Multi-protocol wireless support**, enhancing connectivity possibilities
- **Built-in power consumption measurement tool**, enabling optimization
- **Compatible with nRF Connect SDK**, streamlining software development
- **Can simulate nRF54L10 and nRF54L05**, allowing for versatile SoC testing
- Peripheral supported the same as **Button0 and Reset** button, **LED0 & LED2** on original [nRF54L15 DK - nordicsemi.com](https://nordicsemi.com)

## Resource

[Schematic nRF54L15 DK Development kit](#)

## Programing guide

Xem hướng dẫn set up IDE và nạp code tại đây: [Set up phần mềm sử dụng dev kit NRF54](#)

## Battery option

Kit đi kèm option có thể hàn [đến pin CR2032](#) để sử dụng pin khi cần test ứng dụng xài pin

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