Type2EG
EVK User Guide

BLE EVK

Revision History

Revision	Date	Change Description
1.0	04/25/2022	Initial version
1.1	8/5/2022	Update with new EVK info
1.2	9/12/2022	Update with new EVK info

Table of Contents

1 INTRODUCTION

1.1 Scope

This document provides the setup instructions for the Murata Type2EG BLE Evaluation Kit (EVK).

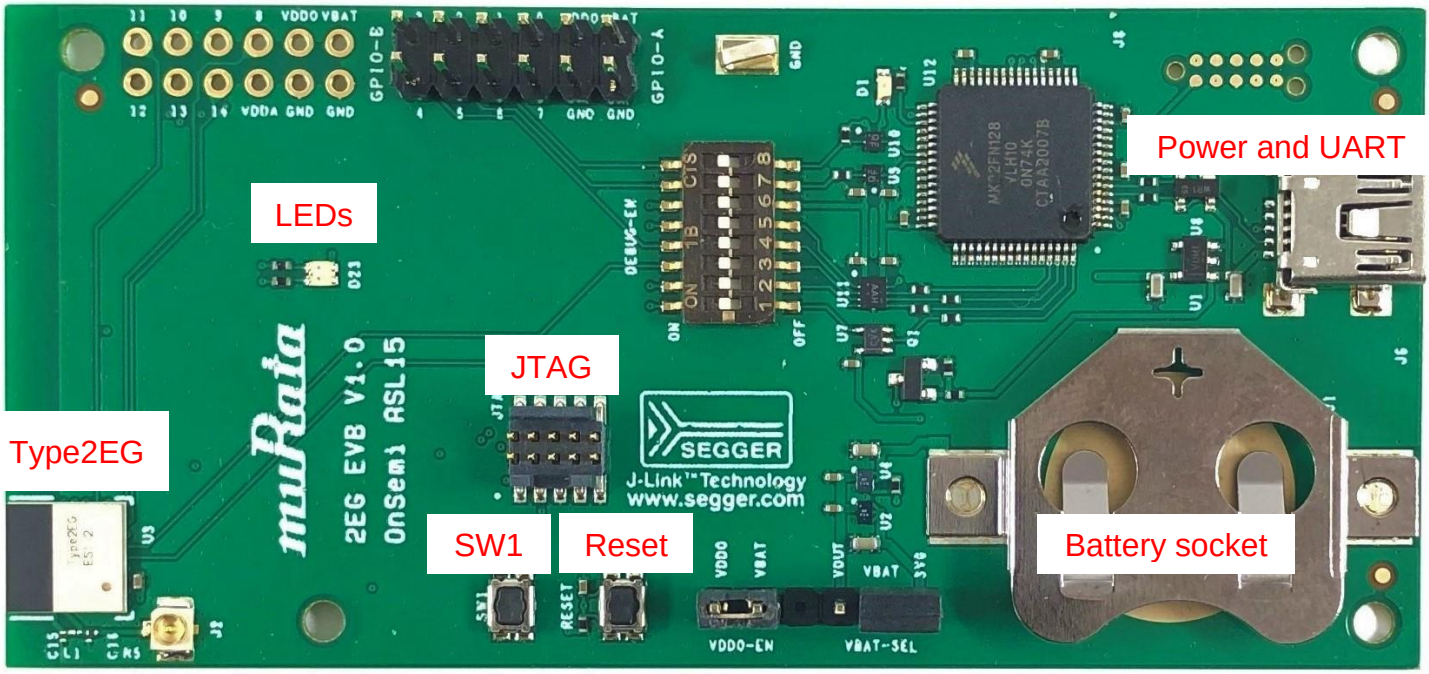


Figure 1 Type2EG Evaluation Kit

1.2 Audience

This document is intended for software/firmware, hardware and systems engineers to evaluate and develop applications with Murata's Type2EG BLE module.

1.3 Kit Contents

The Murata Type2EG EVK package contains the following items:

- 1 Type2EG evaluation board
- 1 USB cable

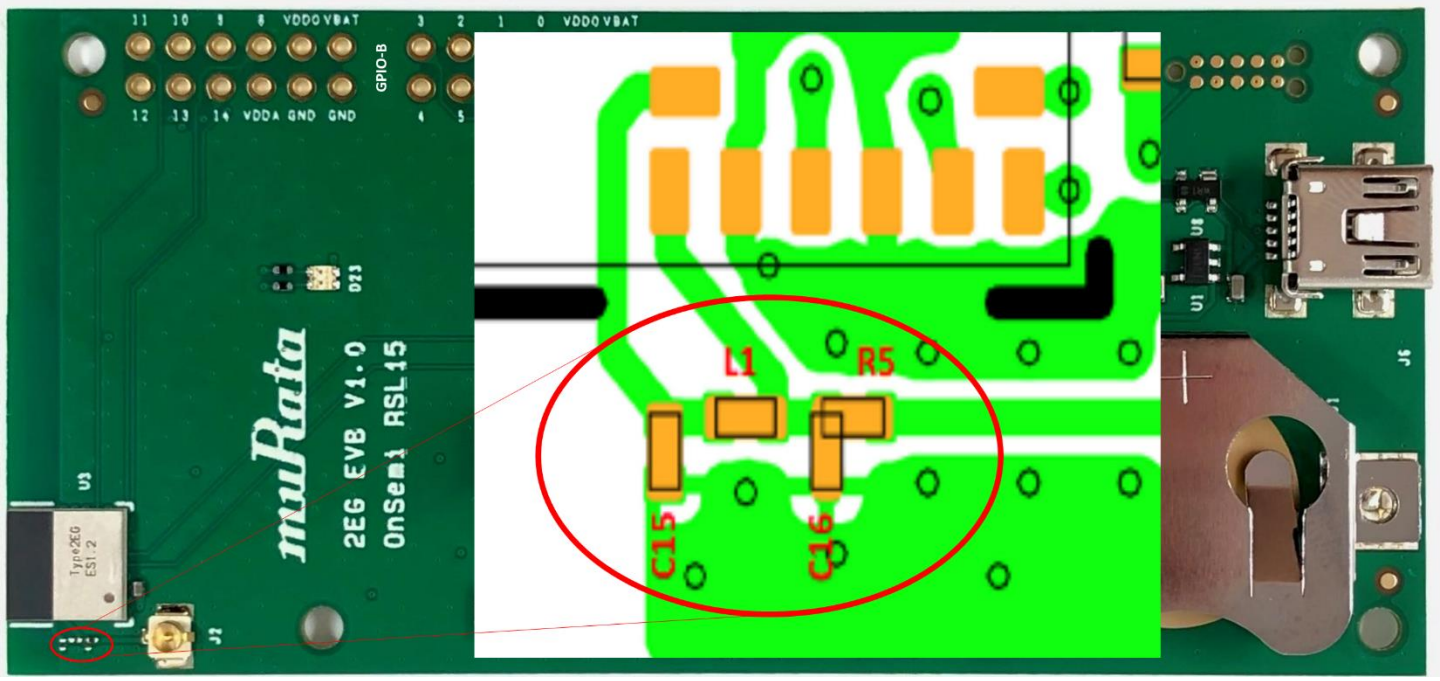
2 DESCRIPTION

The EVK is an evaluation and application development kit for the Murata Type2EG BLE module. It mainly includes a Murata Type2EG module and a programming chip. It is similar to OnSemi's RSL15 evaluation board (EVB).

Note: All the evaluation and test procedures on the original RSL15 EVB can be used on the Type2EG EVK.

The only difference from the RSL15 EVB is the way of doing conducted test. The follow table and picture show the components for antenna configuration. Modify the board using the "Onboard antenna" line in below table to select the onboard antenna, or "uFL connector" line for RF conducted test.

Selection	R5	C15	C16	L1	Description
Onboard antenna	open	open	1.2pF	1.6pF	Default configuration
u.FL connector	0Ω	open	open	open	RF testing usage



3 Power up

The initial software flashed on the module may be the blinky sample application, which may behave as below.

- Connect the USB cable to a PC or insert a BR2032 (or CR2032) battery

- The LEDs will blink rapidly
- Press the SW1 button, the LEDs will stop blinking
- Press the SW1 button again, the LEDs will restart blinking

4 Evaluation

To do other evaluation or tests, follow OnSemi's documentation.

The RSL15 EVB's user manual (including power consumption measurement, schematics, etc.) can be found at OnSemi's portal:
https://www.onsemi.com/design/tools-software/evaluation-board/rsl15-evb.

More product info (documentation package, software development IDE, RF tools, etc.) can be found at:
https://www.onsemi.com/rsl15.