CYW955913EVK-01 Evaluation Kit release notes

About this document

Scope and purpose

Thank you for your interest in the CYW955913EVK-01 CYW55913 Evaluation Kit. This document lists kit contents, installation requirements, kit documentation, and limitations.

Intended audience

This evaluation board is designed for technical specialists familiar with connectivity and is intended for use under laboratory conditions.

Table of contents

1 Release contents

1.1 Kit contents

The CYW955913EVK-01 CYW55913 Evaluation Kit box includes the following:

1. CYW55913 Evaluation Board (CYW9CPM2BASE1 + CYW955913SDCM2WLIPA)
2. 30-pin FFC cable with M.2 adapter card
3. USB Type-C to Type-C cable
4. Six jumper wires, each five inches in length
5. Two Liard triband PCB antenna
6. Quick start guide

2 Tool information

2.1 Software and tools

- Code examples for this kit require ModusToolbox™ software 3.2 or later. This is available on the ModusToolbox™ software webpage. See the kit guide for details.
- KitProg3 firmware v2.50 or later is required to program the AIROC™ CYW55913 Wi-Fi & Bluetooth® LE combo Connected MCU device on the kit. The ModusToolbox™ installer automatically installs KitProg3 drivers.

2.2 Code examples and kit collateral

The kit webpage includes the documents and hardware files. The code examples are available on the Infineon GitHub repository.

2.3 Installation

All required software installation instructions are provided in the kit guide, which is available on the kit webpage.

2.4 Kit revision

This is the initial revision (Rev. **) of the kit, including the Rev03 baseboard (CYW9CPM2BASE1, 600-60638-01) and the Rev4.1 M.2 Carrier Board (CYW955913SDCM2WLIPA, 600-90802-01).

2.5 Limitations

1. The BT_GPIO_16 and BT_GPIO_17 are used for USER_LED1, USER_LED2 and also connected to Arduino-compatible header pins J3.3 and J3.6 respectively. LEDs can be isolated from the GPIOs with switch SW5 when Arduino-compatible header pins are used.
2. LHL_GPIO_8 and LHL_GPIO_9 are connected to J2.5 and J2.7 and also to J3.4 and J3.5 respectively. Therefore, these Arduino-compatible pins cannot be used simultaneously. SW6 can be used to select between the connections. Also, Potentiometer(R1) is connected to LHL_GPIO_8 and need to be isolated using jumper configuration on the J10 header while using for other functions.
3. LHL_GPIO_2 and LHL_GPIO_3 are used for the peripheral UART and connected to the KitProg3 as a secondary UART port for logs. The same pins are also used for the Arduino-compatible header UART (J4.1 and J4.2). Select these connections by changing the tri-pad resister configurations.

   See the Rework Section in the Kit User Guide for additional information.
4. Analog pins on the Arduino-compatible header J2 (A0-A3) support with only a 1.8 V level.

2.6 Documentation

The following kit documents are available on the kit webpage.

- CYW955913EVK-01 CYW55913 Evaluation Kit guide
- CYW955913EVK-01 CYW55913 Evaluation Kit quick start guide
- CYW955913EVK-01 CYW55913 Evaluation Kit release notes

2.7 Technical support

For assistance, go to www.infineon.com/support. Visit community.infineon.com to ask your questions in the Infineon developer community.

2.8 Additional information

- For more information about ModusToolbox™ software functionality and releases, visit the ModusToolbox™ software webpage:www.infineon.com/cms/en/design-support/tools/sdk/modustoolbox-software
- For a list of trainings on ModusToolbox™ software, visit www.github.com/Infineon/training-modustoolbox.

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