CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit release notes

About this document

Scope and purpose

Thank you for your interest in the CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit. This document lists the kit contents, installation requirements, kit documentation, limitations, and known issues.

Intended audience

This document is intended for CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit users.

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1 Release contents

1.1 Kit contents

The CY8CKIT-145-40XX PSOC™ 4000S Prototyping kit box includes the following components:

1. CY8CKIT-145-40XX PSOC™ 4000S Prototyping board
2. Quick start guide (printed on the kit package)

2 Kit information

For information related to the kit, see the CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit webpage.

2.1 Software and tools

The code examples for this kit require ModusToolbox™ software version 3.3 or later, which is available on the ModusToolbox™ software webpage. For more details, see the kit user guide.

KitProg3 firmware v2.50 or later is required to program the PSOC™ 4000S device on the kit. The ModusToolbox™ installer automatically installs KitProg3 drivers.

2.2 Code examples and kit collaterals

The kit webpage contains both the documents and hardware files. Additionally, the code examples are available in the Infineon GitHub repository.

2.3 Installation

The kit user guide, available on the webpage, provides all the necessary software installation instructions. For more information, see the CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit webpage.

2.4 Kit revision

This is Rev. *C version of the CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit.

***Notes**:*

1. *CyInstaller is discontinued from Rev. *C of the kit. All collaterals can now be obtained from the kit webpage*
2. *PSOC™ Creator-based code examples are no longer available from Rev. *C of the kit. Instead, ModusToolbox™-based code examples with the same functionality has been introduced in this revision*

2.5 Limitations and known issues

The following are the limitations and known issues in this revision (Rev. *C) of the CY8CKIT-145-40XX PSOC™4000S Prototyping Kit. These issues will be resolved in future revisions of this kit.

1. The CTANK capacitor on the PSOC™ 4000S Prototyping Kit is connected to pin P4[0], which is not a valid option for CTANK in ModusToolbox™ software. Therefore, the CTANK capacitor on this kit is unusable.
   - **Workaround**: No workaround is available for this issue
2. In the Rev. *C version of the PSOC™ 4000S Prototyping Kit, the silkscreen on the board shows KitProg2; however, KitProg3 is loaded on the kit
   - **Workaround**: There is currently no workaround for this issue. However, it will be addressed in the future revisions of the kit
3. In the Rev. *C version of the PSOC™ 4000S Prototyping Kit, the silkscreen on the board and kit schematics show EZ_BLE, which is now known as AIROC™ Bluetooth® LE
   - **Workaround**: At present, there is no workaround for this issue, but it will be addressed in the future revisions of the kit

For limitations and known issues with PSOC™ 4000S silicon, see PSOC™ 4000S datasheet.

2.6 Documentation

The following documents are available on the kit webpage:

- CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit user guide
- CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit quick start guide
- CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit release notes

2.7 Technical support

For assistance or product-related queries, contact Infineon Support or post your queries on the Infineon Developer Community platform.

2.8 Additional information

- For more information on the PSOC™ 4 MCU, including associated documentation, and software, see the PSOC™ 4 series webpage
- To know more about the functionality and releases of ModusToolbox™, see ModusToolbox™ software
- For a list of trainings on ModusToolbox™, see ModusToolbox™ software training

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