CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit release notes

About this document

Scope and purpose

Thank you for your interest in the CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit. This document lists kit contents, installation requirements, kit documentation, limitations and known issues.

Table of contents

About this document **1**
Table of contents **1**
1 Release contents **2**
1.1 Kit contents 2
2 Tool information **3**
2.1 Software and tools 3
2.2 Code examples and kit collateral 3
2.3 Installation 3
2.4 Kit revision 3
2.5 Limitations and known issues 3
2.6 Documentation 4
2.7 Technical support 4
2.8 Additional information 4

1 Release contents

1.1 Kit contents

The CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit box includes the following:

- PSoC™ 62S2 evaluation board
- USB Type-A to Micro-B cable
- Six wires
  - Two jumper wires of length 5 inches each
  - Four jumper wires of length 4 inches each
- Quick start guide

2 Tool information

2.1 Software and tools

This kit's code examples require ModusToolbox™ software version 2.3 or later. This is available on the **ModusToolbox™ software webpage**. Refer to the kit guide for details.

KitProg3 firmware v2.21 or later is required to program the **PSoC™ 62 MCU** 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

The Sterling-LWB5+ Wi-Fi/Bluetooth® M.2 radio module and FlexPIFA antenna that were part of the kit are being discontinued from Rev *A of the kit. However, these can be procured from external vendors/distributors.

2.5 Limitations and known issues

The following are the limitations and known issues in this revision of the CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit.

Issue: When the Sterling-LWB5+ Wi-Fi/Bluetooth® M.2 radio module is used for Wi-Fi/Bluetooth® LE connectivity, the VBAT current consumption (on J11) is high (~362 µA) due to the lower value (10 KΩ) of pull-up resistors (R3 and R6) loaded on the module.
Workaround: Not available

Issue: The initial build of Rev. ** version of the kit contains the A0 revision of the PSoC™ 62 MCU. This A0 revision device has the marking "CY8C624ABZI-S2D44A0" on it. Subsequent kit builds will have the latest A1 revision device that has the marking "CY8C624ABZI-S2D44". The A1 revision device is currently in production, and is the revision recommended for production designs. The kit board support package (BSP), code examples in ModusToolbox™ software all reference have the A1 revision of the device (CY8C624ABZI-S2D44). Code examples in ModusToolbox™ software have no change in the functionality, application code between A0 and A1 revisions of the device, and work seamlessly for both the revisions.
Workaround: Not applicable. The A0 revision of the PSoC™ 62 MCU on the initial kit builds is meant only for prototyping purposes, and not recommended for production designs. Production designs are recommended to use the A1 revision of the device. For assistance, go to **www.infineon.com/support** if you have any questions on this topic.

Issue: Some of the Rev. ** version of this kit are assembled with an incorrect part number of the OPTIGA™ Trust M security controller (U5). Those kits have an OPTIGA™ Trust M with package marking H2116 (see the OPTIGA™ Trust M Datasheet available on **www.infineon.com** for reference).
Workaround: Not applicable. If you have received a kit with incorrect OPTIGA™ Trust M security controller, contact the Infineon regional sales office for kit replacement.

2.6 Documentation

The kit documents are available on the kit **webpage**.

Documents include:

- CY8CEVAL-062S2 Kit Guide
- CY8CEVAL-062S2 Quick Start Guide
- CY8CEVAL-062S2 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 the PSoC™ 6 MCU, associated documentation and software, visit **www.infineon.com/cms/en/product/microcontroller/32-bit-psoc-arm-cortex-microcontroller/psoc-6-32-bit-arm-cortex-m4-mcu**
- 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 **github.com/Infineon/training-modustoolbox**

Trademarks
All referenced product or service names and trademarks are the property of their respective owners.

Edition 2023-09-12

Published by

Infineon Technologies AG

81726 Munich, Germany

© 2023 Infineon Technologies AG. All Rights Reserved.

Do you have a question about this document?

Go to www.infineon.com/support

Document reference

002-33201 Rev. *E

IMPORTANT NOTICE

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics (“Beschaffenheitsgarantie”) .

With respect to any examples, hints or any typical values stated herein and/or any information regarding the application of the product, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In addition, any information given in this document is subject to customer’s compliance with its obligations stated in this document and any applicable legal requirements, norms and standards concerning customer’s products and any use of the product of Infineon Technologies in customer’s applications.

The data contained in this document is exclusively intended for technically trained staff. It is the responsibility of customer’s technical departments to evaluate the suitability of the product for the intended application and the completeness of the product information given in this document with respect to such application.

For further information on the product, technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies office (**www.infineon.com**).

WARNINGS

Due to technical requirements products may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by Infineon Technologies in a written document signed by authorized representatives of Infineon Technologies, Infineon Technologies’ products may not be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.