CY7110 EZ-PD™ PMG1-S0 MCU prototyping kit release notes

About this document

Scope and purpose

Thank you for your interest in the CY7110 EZ-PD™ PMG1-S0 MCU prototyping kit. This kit is a development platform to design products which can be powered from a high-voltage USB PD port, and also need a microcontroller to implement different applications. This platform is compliant with the USB PD 3.0 protocol and can support up to 100 W (20 V, 5 A) of power consumption.

This document lists the kit contents, installation requirements, kit documentation, limitations, and known issues.

Table of contents

About this document **1**

Table of contents **1**

1 Release information **2**

1.1 Kit contents 2

1.2 Installation 2

1.3 Software and tools 2

1.4 Kit revision 2

1.5 Limitations and known issues 3

1.6 Documentation 3

1.7 Silicon errata 3

1.8 Technical support 3

1 Release information

1.1 Kit contents

The CY7110 EZ-PD™ PMG1-S0 MCU prototyping kit includes the following:

- CY7110 EZ-PD™ PMG1-S0 MCU prototyping kit board
- Quick start guide

1.2 Installation

Note that the CY7110 kit package includes documentation and hardware design files. The kit is shipped with the USB-PD sink firmware which is programmed at factory and this firmware can support upto 100 W (20 V, 5 A) of power consumption.

The CY7110 kit installation is a three-step process:

1. Download and unzip the latest **CY7110 EZ-PD™ PMG1-S0 MCU prototyping kit** package. After unzipping the kit package, navigate to the *CY7110 EZ-PD PMG1-S0 Prototyping Kit* directory to access the documents and hardware design files.
2. Download and install the latest **ModusToolbox™** software package. Support for PMG1-S0 is added in ModusToolbox version 2.3 onwards. Note that this package is large and downloading may take a while depending on the available internet bandwidth.
3. Download and install the latest **Cypress Programmer** package if you prefer to use a stand-alone programmer to download the PMG1-S0 MCU firmware onto the CY7110 kit. You can skip this step if you prefer to download the firmware using the ModusToolbox. Support for PMG1-S0 MCU is added in Cypress Programmer version 4.0 onwards.

1.3 Software and tools

See the EZ-PD™ PMG1 MCU prototyping kit guide for more details.

1.4 Kit revision

This is the second revision (Rev *A) of the CY7110 EZ-PD™ PMG1-S0 MCU prototyping kit. This revision of the kit uses Rev05 of the CY7110 board. The hardware part number (600-60598-01) and revision (REV05) are marked on the top silkscreen of the board.

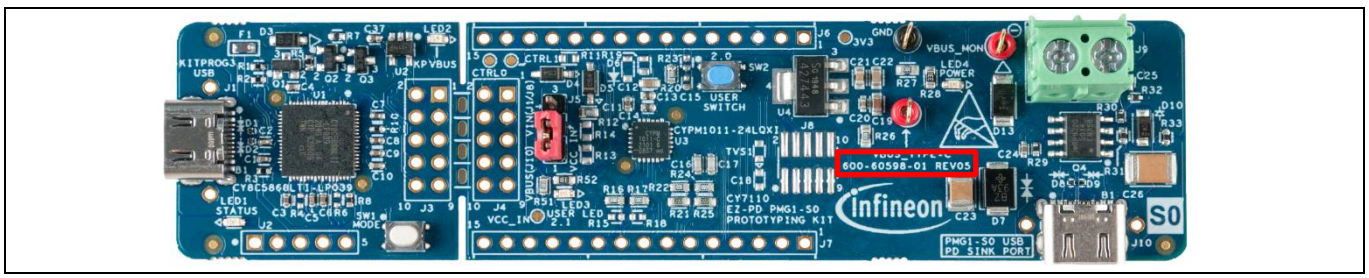

Figure 1 Identifying CY7110 board revision

Release information

Following are the changes in the Rev05 of the kit hardware:

- The UART signals (Tx and Rx) between EZ-PD™ PMG1-S0 MCU and KitProg3 are connected by default. This eliminates the need to connect the UART signals using jumper wires as done in the earlier revision of the kit hardware.
- The color of the user switch (SW2) is changed to blue.
- A ground (GND) test point is added.

1.5 Limitations and known issues

None

1.6 Documentation

The kit documents are located in the *Documentation* folder in the installation directory. The default location for the kit documents is: *CY7110 EZ-PD PMG1-S0 MCU Prototyping Kit\Documentation*.
Documents include:

- *EZ-PD PMG1 MCU Prototyping Kits Guide.pdf*
- *CY7110 Quick Start Guide.pdf*
- *CY7110 Release Notes.pdf*

1.7 Silicon errata

To access the latest version of silicon errata, see the **EZ-PD™ PMG1-S0 MCU datasheet**.

1.8 Technical support

For assistance, go to **Support**.

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

Edition 2021-08-13

Published by

Infineon Technologies AG

81726 Munich, Germany

© 2021 Infineon Technologies AG. All Rights Reserved.

Do you have a question about this document?

Go to www.cypress.com/support

Document reference

002-32422 Rev. *B

IMPORTANT NOTICE

The information contained in this application note is given as a hint for the implementation of the product only and shall in no event be regarded as a description or warranty of a certain functionality, condition or quality of the product. Before implementation of the product, the recipient of this application note must verify any function and other technical information given herein in the real application. 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) with respect to any and all information given in this application note.

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.