CY7112 EZ-PD™ PMG1-S2 MCU prototyping kit release notes

About this document

Scope and purpose

Thank you for your interest in the CY7112 EZ-PD™ PMG1-S2 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.

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1 Release information

1.1 Kit contents

The CY7112 EZ-PD™ PMG1-S2 MCU prototyping kit includes the following:

- CY7112 EZ-PD™ PMG1-S2 MCU prototyping kit board
- Quick start guide

1.2 Installation

Note that the CY7112 kit package includes documentation, and hardware design files. The kit is shipped with the USB-PD sink firmware which is programmed at factory. This firmware can support upto 100 W (20 V, 5 A) of power consumption.

The CY7112 kit installation is a three-step process:

1. Download and unzip the latest **CY7112 EZ-PD™ PMG1-S2 MCU prototyping kit** package. After unzipping the kit package, navigate to the *CY7112 EZ-PD PMG1-S2 Prototyping Kit* directory to access the documents and hardware design files.
2. Download and install the latest **ModusToolbox™** software package. Support for PMG1-S2 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-S2 MCU firmware onto the CY7112 kit. You can skip this step if you prefer to download the firmware using the ModusToolbox. Support for PMG1-S2 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 CY7112 EZ-PD™ PMG1-S2 MCU prototyping kit. This revision of the kit uses Rev04 of the CY7112 board. The board part number (600-60600-01) and revision (REV04) are marked on the top silkscreen of the board.

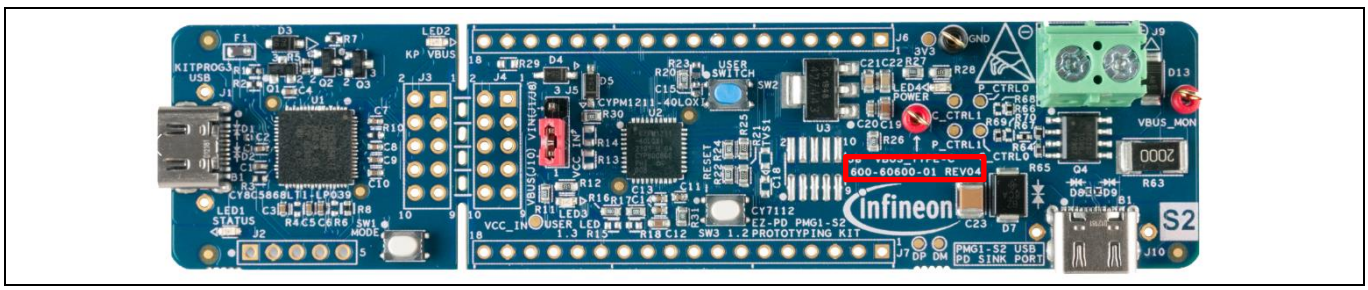

Figure 1 Identifying CY7112 board revision

Release information

Following are the changes in the Rev04 of the kit hardware:

- The UART signals (Tx and Rx) between EZ-PD™ PMG1-S2 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 to differentiate from the reset switch (SW3) with the white color.
- 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: *CY7112 EZ-PD PMG1-S2 MCU Prototyping Kit\Documentation*.
Documents include:

- *EZ-PD™ PMG1 MCU Prototyping Kits Guide.pdf*
- *CY7112 Quick Start Guide.pdf*
- *CY7112 Release Notes.pdf*

1.7 Silicon errata

To access the latest version of silicon errata, see the **EZ-PD PMG1-S2 MCU datasheet**.

1.8 Technical support

For assistance, go to **Support**.

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