Release Notes

CY4531 EZ-PD™ CCG3 Evaluation Kit (EVK)

Release Date: June 29, 2016

Thank you for your interest in the CY4531 EZ-PD™ CCG3 (Cypress's USB Type-C controller with Power Delivery) Evaluation Kit. This document lists the kit contents, installation instructions, and the known limitations.

Kit Contents

The CY4531 CCG3 EVK includes the following:

- CCG EVK Base Board
- CY4531 CCG3 Daughter Card (mounted on CCG EVK Base Board)
- 24V DC Power Adapter
- USB 3.0 Type-A to Type-B Cable
- USB Type-C to Type-A Adapter
- USB 3.1 EMCA (Electronically Marked Cable Assembly) Type-C Cable
- USB 2.0 Type-A to Mini-B Cable
- Quick Start Guide

Installation

Download the "CY4531 EZ-PD CCG3 EVK Complete Setup" file from www.cypress.com/CY4531. Launch the EXE file and follow the steps in the installer window to access the kit documents and hardware design files.

Kit Revision

This is the second revision (Rev. *A) of the Kit. Following are the changes implemented in this revision:

- Newer CCG EVK Base Board (600-60271-01 REV05) with fix for the following limitations observed in the earlier revisions of the hardware:
    - VBUS voltage dropping below vSrcNew* when a peer device draws more than 3A on a Type-C port
    - Overshoot and undershoot on VBUS exceeding max and min limits of vSrcValid* by up to 10% during voltage transitions

  ** Refer to Table 7-22, Source Electrical Parameters of USB Power Delivery Specification, Revision 2.0, Version 1.1 for more details*
- Inclusion of EZ-PD Configuration Utility in the Kit Installer
- Newer version of CCG3 DRP firmware**

  *** Refer to Chapter 4 of CY4531 Kit Guide to understand the procedure for downloading the firmware onto CY4531 hardware using the EZ-PD Configuration Utility*.
- Addition of hardware design files of USB Type-C to Type-A Adapter in the Kit Installer

Limitations and Known Issues

None

Documentation

The following kit documents are available in *<Install Directory>\CY4531 CCG3 EVK\1.0\Documentation*

- *CY4531 Kit Guide.pdf*
- *CY4531 Quick Start Guide.pdf*
- *CY4531 Release Notes.pdf*

Note: On Windows 32-bit platforms, the default *<Install Directory>* is *C:\Program Files\Cypress*, and on Windows 64-bit platforms, it is *C:\Program Files(x86)\Cypress.*

Silicon Errata

To access the latest version of silicon errata, refer to the EZ-PD CCG3 USB Type-C Port Controller datasheet available at www.cypress.com/ccg3

Technical Support

For assistance, go to www.cypress.com/support or contact our customer support at +1 (800) 541-4736 Ext. 2 (in the USA), or +1 (408) 943-2600 Ext. 2 (International).

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