



CY4541 EZ-PD™ CCG4 Evaluation Kit (EVK) Release Notes

Release Date: April 22, 2016

Thank you for your interest in the CY4541 EZ-PD™ CCG4 (Cypress's Two port USB Type-C controller with Power Delivery) Evaluation Kit. This document lists the kit contents, installation instructions, and the known limitations.

Kit Contents

The CY4541 CCG4 EVK includes the following:

- CCG EVK Base Board (2 nos.)
- CY4541 CCG4 Daughter Card (1 no.)
Note: CCG4 Daughter Card is pre-mounted on the CCG EVK Base Board
- 24V DC Power Adapter (1 no.)
- USB 3.0 Type-A to Type-B Cable (2 nos.)
- USB Type-C to Type-A Adapter (2 nos.)
- USB 3.0 EMCA (Electronically Marked Cable Assembly) Type-C Cable (1 no.)
- USB 2.0 Type-A to Mini-B Cable (1 no.)
- Pair of Jumper Wires (2 nos.)
Note: One pair of jumper wires are pre-installed on the CCG EVK Base Boards
- Screwdriver (1 no.)
- Quick Start Guide (1 no.)

Installation

Installation instructions are provided in the CY4541 CCG4 EVK Kit Guide, which is available at <http://www.cypress.com/CY4541>.

Kit Revision

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

- Inclusion of EZ-PD Configuration Utility in the Kit Installer
- Addition of hardware design files of USB Type-C to Type-A Adapter in the Kit Installer
- Newer version of CCG4 DRP firmware (Version 1.0.0.263)
- Newer CCG EVK Base Board (Rev05) and CCG4 Daughter Card (Rev04) 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*

Limitations and Known Issues

None

Documentation

The following kit documents are available in <Install Directory>\Cypress\CY4541 CCG4 EVK\1.0\Documentation\

- CY4541 Kit Guide.pdf
- CY4541 Quick Start Guide.pdf
- CY4541 Release Notes.pdf

Silicon Datasheet

The latest datasheet of EZ-PD CCG4 USB Type-C Port Controller can be found at www.cypress.com/CCG4.

Technical Support

For assistance, go to <http://www.cypress.com/go/support> or contact our customer support at +1 (800) 541-4736 Ext. 8 (in the USA), or +1 (408) 943-2600 Ext. 8 (International).



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