CY4533 EZ-PD™ BCR Evaluation Kit (EVK) Release Notes

Release Date: November 21, 2018

Thank you for your interest in the CY4533 EZ-PD™ BCR (Barrel Connector Replacement - Cypress's integrated USB Type-C port controller) Evaluation Kit (EVK). This document lists the kit contents, installation instructions, and the known limitations.

Kit Contents

The CY4533 EZ-PD BCR EVK includes the following:

- CY4533 EZ-PD BCR EVK Board
- Quick Start Guide

Installation

There is no software required to run this kit. To download the latest board design files, latest Firmware binary, go to the kit webpage www.cypress.com/CY4533.

Software and Tools

There is no software tool required to run this kit.

Required Hardware

This kit operates successfully with any USB-C Power Adapter that supports PDOs (Power Data Object) from 5V to 20V up to 5A. The default minimum current that the EVK can support is 900mA. As a recommended hardware, use the Apple 30W USB-C Power Adapter (not shipped with this kit).

Kit Revision

This is the initial revision (Rev. **) of this kit.

Warnings

1	**Do not sink > 5A through this EVK board**	Although the current capabilities of this kit are more than 5A, it is strongly recommended not to connect a load that can draw > 5A, Drawing > 5A may lead to heating up of the board and cause major damage to the EVK and/or the connected external load.
2	**Voltage setting on SW1 shouldn't exceed voltage rating of external load**	A mismatch between the voltage setting on switch SW1 and the voltage rating of the external load connected to J3 terminal may cause permanent damage to the EVK board as well as the connected external load. It may also lead to abnormal operation of connected external load when this EVK connected and operated with such a mismatch.

Known Issues

None

Documentation

The following kit documents are available on the kit webpage: www.cypress.com/CY4533.

- *CY4533 Kit Guide.pdf*
- *CY4533 Quick Start Guide.pdf*
- *CY4533 Release Notes.pdf*

Silicon Errata

None

Technical Support

For assistance, go to www.cypress.com/support or contact our customer support at +1 (800) 541-4736 Ext. 3 (in the USA), or +1 (408) 943-2600 Ext. 3 (International).

Cypress Semiconductor
198 Champion Ct.
San Jose, CA 95134-1709 USA
Tel: 408.943.2600
Fax: 408.943.4730
Application Support Hotline: 425.787.4814
www.cypress.com

© Cypress Semiconductor Corporation, 2018. This document is the property of Cypress Semiconductor Corporation and its subsidiaries, including Spansion LLC (“Cypress”). This document, including any software or firmware included or referenced in this document (“Software”), is owned by Cypress under the intellectual property laws and treaties of the United States and other countries worldwide. Cypress reserves all rights under such laws and treaties and does not, except as specifically stated in this paragraph, grant any license under its patents, copyrights, trademarks, or other intellectual property rights. If the Software is not accompanied by a license agreement and you do not otherwise have a written agreement with Cypress governing the use of the Software, then Cypress hereby grants you a personal, non-exclusive, nontransferable license (without the right to sublicense) (1) under its copyright rights in the Software (a) for Software provided in source code form, to modify and reproduce the Software solely for use with Cypress hardware products, only internally within your organization, and (b) to distribute the Software in binary code form externally to end users (either directly or indirectly through resellers and distributors), solely for use on Cypress hardware product units, and (2) under those claims of Cypress’s patents that are infringed by the Software (as provided by Cypress, unmodified) to make, use, distribute, and import the Software solely for use with Cypress hardware products. Any other use, reproduction, modification, translation, or compilation of the Software is prohibited.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CYPRESS MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS DOCUMENT OR ANY SOFTWARE OR ACCOMPANYING HARDWARE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. To the extent permitted by applicable law, Cypress reserves the right to make changes to this document without further notice. Cypress does not assume any liability arising out of the application or use of any product or circuit described in this document. Any information provided in this document, including any sample design information or programming code, is provided only for reference purposes. It is the responsibility of the user of this document to properly design, program, and test the functionality and safety of any application made of this information and any resulting product. Cypress products are not designed, intended, or authorized for use as critical components in systems designed or intended for the operation of weapons, weapons systems, nuclear installations, life-support devices or systems, other medical devices or systems (including resuscitation equipment and surgical implants), pollution control or hazardous substances management, or other uses where the failure of the device or system could cause personal injury, death, or property damage (“Unintended Uses”). A critical component is any component of a device or system whose failure to perform can be reasonably expected to cause the failure of the device or system, or to affect its safety or effectiveness. Cypress is not liable, in whole or in part, and you shall and hereby do release Cypress from any claim, damage, or other liability arising from or related to all Unintended Uses of Cypress products. You shall indemnify and hold Cypress harmless from and against all claims, costs, damages, and other liabilities, including claims for personal injury or death, arising from or related to any Unintended Uses of Cypress products.

Cypress, the Cypress logo, Spansion, the Spansion logo, and combinations thereof, WICED, PSoC, CapSense, EZ-USB, F-RAM, EZ-PD and Traveo are trademarks or registered trademarks of Cypress in the United States and other countries. For a more complete list of Cypress trademarks, visit cypress.com. Other names and brands may be claimed as property of their respective owners.