Release Notes

CY8CKIT-026 CAN and LIN Shield Kit

Release Date: March 9, 2016

Thank you for your interest in the CY8CKIT-026 CAN and LIN Shield Kit. This document lists kit contents, installation requirements, software and hardware updates, limitations, and known issues with the kit.

Kit Contents

The CY8CKIT-026 CAN and LIN Shield Kit includes the following:

- CAN and LIN Shield board
- Three jumper wires (5 inches each)
- Three jumper wires (4 inches each)
- Four connectors (one 10x1, two 8x1 and one 6x1)
- Quick Start Guide

Software and Tools

The example projects shipped with this kit require PSoC Creator™ 3.3 SP1 or later. This is available with the kit installer or on the PSoC Creator webpage (www.cypress.com/psoccreator).

PSoC Programmer 3.24 or later and KitProg 2.14 or later are required to program the PSoC 4 devices on the CY8CKIT-042/044 Pioneer Kits. PSoC Creator installation or the kit installation automatically installs PSoC Programmer and KitProg drivers.

Code Examples and Kit Collateral

The CY8CKIT-026 CAN and LIN Shield Kit webpage (www.cypress.com/CY8CKIT-026) includes the kit installation packages, DVD image (ISO), and setup files (EXE) to install the example projects, documents and kit hardware files of this kit. See the kit user guide included in the kit installer or the kit web page for more details on the hardware and examples.

This kit works with the CY8CKIT-042 PSoC 4 Pioneer Kit (only for LIN) & CY8CKIT-044 PSoC 4 M-Series Pioneer Kit (for CAN & LIN both) to get a complete CAN/LIN Communication.

See the kit web page www.cypress.com/CY8CKIT-042 or www.cypress.com/CY8CKIT-044 for more information.

The following five example projects are provided with this kit:

- CAN_Simplex_Rx_CY8CKIT-044
- CAN_ Simplex_Tx_CY8CKIT-044
- LIN_Slave_CY8CKIT-042
- LIN_Slave_CY8CKIT-044
- Multiple_LIN_Slave_CY8CKIT-042

These example projects require PSoC Creator™ 3.3 SP1 or later, which is available with the kit installer. You can download the latest version from www.cypress.com/psoccreator.

Installation

Installation instructions are provided in the CY8CKIT-026 CAN and LIN Shield Kit User Guide, which is available at www.cypress.com/CY8CKIT-026.

Note: Do not plug in your kit to the USB port of the PC until all software installation is complete.

Kit Revision

This is the initial revision (Rev. **) of the CY8CKIT-026 CAN and LIN Shield Kit. The example projects shipped with the kit are developed using PSoC Creator 3.3 SP1.

Limitations and Known Issues

- This kit requires use of certain revisions of PSoC 4 Pioneer Kits. The required Pioneer Kit revision is located on the sticker on the back of the kit box. The sticker should have part numbers as follows:

  CY8CKIT-042 Rev** (or later)

  CY8CKIT-044 Rev *C (or later)
- To evaluate the CAN example projects, a CAN Analyzer or another set of CY8CKIT-026 & CY8CKIT-044 are required.
- The LIN master component is not yet available with PSoC 4, a LIN analyzer is required to evaluate the LIN example projects.

Documentation

The kit documents are located in the `Documentation` folder in the installation directory. The default location for the kit documents is:

```
<Install_Directory>\CY8CKIT-026 CAN and LIN SHIELD KIT\<version>\Documentation
```

Documents include:

- *CY8CKIT-026 CAN and LIN Shield Kit Guide.pdf*
- *CY8CKIT-026 CAN and LIN Shield Kit Quick Start Guide.pdf*
- *CY8CKIT-026 CAN and LIN Shield Kit Release Notes.pdf*

After opening PSoC Creator, on the Start Page, select **Examples and Kits > Kits > CY8CKIT-026 CAN and LIN Shield Kit** for links to the kit documentation on the right panel. Expand **CY8CKIT-026 CAN and LIN Shield Kit** for kit example projects.

General PSoC Creator documentation is available in **Help** > **Documentation**.

The default location for PSoC Creator documents is:

```
<Install_Directory>\PSoC Creator\<version>\PSoC Creator\documentation
```

The default location for PSoC Programmer documents is:

```
<Install_Directory>\Programmer\Documents
```

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).

Additional Information

- For more information about PSoC Creator functionality and releases, visit the PSoC Creator web page: www.cypress.com/psoccreator
- For more information about PSoC Programmer and supported hardware, visit the PSoC Programmer web page: www.cypress.com/psocprogrammer
- For a list of trainings on PSoC Creator, visit www.cypress.com/go/creatorstart/creatortraining

Cypress Semiconductor
198 Champion Court
San Jose, CA 95134-1709
Phone(USA): 800.858.1810
Phone (Intnl): +1.408.943.2600
www.cypress.com

© Cypress Semiconductor Corporation, 2015-2016. The information contained herein is subject to change without notice. Cypress Semiconductor Corporation assumes no responsibility for the use of any circuitry other than circuitry embodied in a Cypress product. Nor does it convey or imply any license under patent or other rights. Cypress products are not warranted nor intended to be used for medical, life support, life saving, critical control or safety applications, unless pursuant to an express written agreement with Cypress. Furthermore, Cypress does not authorize its products for use as critical components in life-support systems where a malfunction or failure may reasonably be expected to result in significant injury to the user. The inclusion of Cypress products in life-support systems application implies that the manufacturer assumes all risk of such use and in doing so indemnifies Cypress against all charges.

This Source Code (software and/or firmware) is owned by Cypress Semiconductor Corporation (Cypress) and is protected by and subject to worldwide patent protection (United States and foreign), United States copyright laws and international treaty provisions. Cypress hereby grants to licensee a personal, non-exclusive, non-transferable license to copy, use, modify, create derivative works of, and compile the Cypress Source Code and derivative works for the sole purpose of creating custom software and or firmware in support of licensee product to be used only in conjunction with a Cypress integrated circuit as specified in the applicable agreement. Any reproduction, modification, translation, compilation, or representation of this Source Code except as specified above is prohibited without the express written permission of Cypress.

Disclaimer: CYPRESS MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARD TO THIS MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Cypress reserves the right to make changes without further notice to the materials described herein. Cypress does not assume any liability arising out of the application or use of any product or circuit described herein. Cypress does not authorize its products for use as critical components in life-support systems where a malfunction or failure may reasonably be expected to result in significant injury to the user. The inclusion of Cypress' product in a life-support systems application implies that the manufacturer assumes all risk of such use and in doing so indemnifies Cypress against all charges.

Use may be limited by and subject to the applicable Cypress software license agreement.

PSoC is a registered trademark and PSoC Creator is a trademark of Cypress Semiconductor Corp. All other trademarks or registered trademarks referenced herein are property of the respective corporations.

Flash Code Protection
Cypress products meet the specifications contained in their particular Cypress PSoC datasheets. Cypress believes that its family of PSoC products is one of the most secure families of its kind on the market today, regardless of how they are used. There may be methods, unknown to Cypress that can breach the code protection features. Any of these methods, to our knowledge, would be dishonest and possibly illegal. Neither Cypress nor any other semiconductor manufacturer can guarantee the security of their code. Code protection does not mean that we are guaranteeing the product as "unbreakable." Cypress is willing to work with the customer who is concerned about the integrity of their code. Code protection is constantly evolving. We at Cypress are committed to continuously improving the code protection features of our products.