Release Notes

CY8CKIT-017 PSoC® CAN/LIN Expansion Board Kit

Release Date: February 27, 2011

Thank you for your interest in the CY8CKIT-017 PSoC® CAN/LIN Expansion Board Kit (EBK). This document lists installation requirements, software and hardware updates, limitations, and known issues with the kit.

Kit Revision

This document applies to the following kit and kit software versions.

- Kit Version: **CY8CKIT-017 *A**
- Kit Software Version: **1.0**

Hardware Requirements

IMPORTANT: This kit is an expansion kit that requires the user to have prerequisite hardware to use this kit. Therefore, please read over the hardware prerequisites carefully to ensure that all necessary prerequisite hardware is already available.

Hardware Prerequisites	**Minimum**	**Recommended**
CY8CKIT-001 PSoC® Development Kit	CY8CKIT-001B **	
One of the following: • Second CY8CKIT-001 kit *and* second CY8CKIT-017 kit • Third-party CAN bus analyzer/emulator tool	CY8CKIT-001B ** CY8CKIT-017 *A	
Male-to-male straight-through DB9 cable		✓

System Requirements and Recommendations

Hardware/Operating System Requirements	**Minimum**	**Recommended**
Processor Speed	2 GHz	2 GHz Dual Core
RAM	2 GB	3 GB
Free Hard Drive Space	1 GB	1 GB
Screen Resolution	1024x768	1280x1024
CD/DVD Drive	✓	✓
USB	Full Speed	2.0 Hi-Speed
XP (SP2 or higher), Vista, or Windows 7	✓	✓
Software Prerequisites	**Minimum**	**Recommended**
PSoC® Creator™	1.0 Production	1.0 or later
Microsoft Internet Explorer	7	7
Adobe Reader (for viewing PDF Documentation)	7	7 or later
Windows Installer	3.1	

.NET Framework	2.0 SP1	
PSoC Programmer	3.12.4	3.12.4 or later
Keil Compiler	8.16b	

Note To install and run PSoC Creator, you may also need to install additional software. If these programs are not already installed, the Cypress Installer will guide you through the installation process.

Installation

To install, insert the kit CD into your PC's CD-ROM drive. If the installer does not start automatically, run *cyautorun.exe* in the root directory of the CD/DVD. Follow the installation instructions.

Notes

- For the latest version of PSoC Programmer, go to www.cypress.com/go/psocprogrammer. If you have a previous installation of PSoC Creator, PSoC Programmer, or the CY8CKIT-017 CAN/LIN EBK, uninstall the same before reinstalling. To uninstall the software, go to **Start** > **Control Panel** > **Add or Remove Programs** and click the **Remove** button adjacent to the particular software. Follow the instructions to uninstall.
- Do not plug in your MiniProg3 to the USB port of PC until all software installations are complete.

Updates

Go to www.cypress.com/go/CY8CKIT-017 for the latest software downloads and documents.

Limitations and Known Issues

1. This kit requires use of certain revisions of PSoC 3 processor modules. The required processor module revision is found in the following kits (or later revisions of those kits). To see if you have the correct kit, check the sticker on back of the kit box. The sticker should have part numbers as follows:
    - CY8CKIT-001B ** (or later)
    - CY8CKIT-009A ** (or later)
2. Currently, there is no LIN component available for PSoC 3 or PSoC 5. As such there are no example projects to demonstrate LIN functionality. Advanced users, however, may still implement LIN functionality by creating a custom LIN driver. There are planned subsequent updates to include LIN example projects and updated kit guide, once LIN support is available, on both the kit website and through automatic updates.
3. Since the EBK is a communication device it is necessary to have other devices with which to communicate. Therefore, there are two options to allow this kit to communication with other devices. The first option is to connect this EBK to a CAN analyzer tool. A second option is to connect this EBK to a second CY8CKIT-017 EBK that is attached to a second CY8CKIT-001 DVK.
4. Upon loading the example projects, PSoC Creator may prompt you to update certain components in the example projects. Updating the component versions should not break the functionality of the projects. However, choosing *not* to update the components will ensure that the example projects work.

Documentation

Kit documents are located in the *Documentation* folder. The documents can also be accessed from PSoC Creator's Start Page (after the kit has been installed), on the webpage for this kit, or on the CD included with this kit.

Refer to:

- CY8CKIT-017 Kit Guide.pdf
- CY8CKIT-017 Quick Start Guide.pdf

Release Notes for PSoC Creator or PSoC Programmer are found in their respective installation directories.

After installing the PSoC Creator software, refer to the documentation as needed:

- PSoC Creator→ Help→Documentation

The default location for PSoC Creator documents is:

```
C:\Program Files\Cypress\PSoC Creator\1.0\PSoC Creator\Documentation
```

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).

Additional Information

- For more information about PSoC Creator functionality and releases, visit the PSoC Creator web page: http://www.cypress.com/go/psoccreator
- For more information about PSoC Programmer, and supported hardware, visit the PSoC Programmer web page: http://www.cypress.com/go/psocprogrammer
- For a list of trainings on PSoC Creator, visit http://www.cypress.com/?rID=40547

Cypress Semiconductor
198 Champion Court
San Jose, CA 95134-USA
Phone(USA): 800.858.1810
Phone (Intnl): 408.943.2600
http:// www.cypress.com

Copyrights

Flash Code Protection

Cypress products meet the specifications contained in their particular Cypress PSoC Data Sheets. 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.