



Release Notes

CY8CKIT-041-40XX PSoC[®] 4 S-Series Pioneer Kit

Release Date: November 23, 2016

Thank you for your interest in the CY8CKIT-041-40XX PSoC[®] 4 S-Series Pioneer Kit. This document lists kit contents, installation requirements, kit documentation, limitations and known issues.

Kit Contents

The CY8CKIT-041-40XX PSoC 4 S-Series Pioneer Kit box includes the following:

- PSoC 4 S-Series Pioneer Kit
- USB Standard-A to Micro-B cable
- Water dropper
- Four press-fit connectors (one 8x2, one 10x1, and two 8x1)
- Four jumper wires (4 inches each)
- Quick Start Guide

Software and Tools

The code examples shipped with this kit require PSoC Creator[™] 4.0 or later. This is available with the kit installer or on the PSoC Creator webpage (www.cypress.com/psoccreator).

PSoC Programmer 3.25 or later and KitProg2 v1.02 or later is required to program the PSoC 4000S device on the PSoC 4 S-Series Pioneer Kit. The PSoC Creator installer or kit installer automatically installs PSoC Programmer and KitProg2 drivers.

Code Examples and Kit Collateral

The CY8CKIT-041-40XX PSoC 4 S-Series Pioneer Kit webpage www.cypress.com/CY8CKIT-041 includes the kit installation packages, DVD image (ISO), and setup files (EXE) to install the code examples, documents, and hardware files of this kit.

Installation

Installation instructions are provided in the CY8CKIT-041-40XX PSoC 4 S-Series Pioneer Kit User Guide, which is available at www.cypress.com/CY8CKIT-041.

Kit Revision

This is Rev. *B of the CY8CKIT-041-40XX PSoC 4 S-Series Pioneer Kit. The code examples shipped with the kit are developed using PSoC Creator 4.0. This revision also includes a new code example, *CE210486 USB-HID Trackpad*.



Limitations and Known Issues

The following are limitations and known issues in this revision of the CY8CKIT-041-40XX PSoC 4 S-Series Pioneer Kit. These issues will be resolved in future revisions of this kit.

- **Issue:** When the kit is powered from the onboard rechargeable battery, there is a leakage current of ~80 μ A through the PSoC 5LP GPIO. To eliminate leakage, remove resistor R20 when measuring the current consumption.

Removing resistor R20 will disable the target voltage monitoring section of the KitProg2 and the target device cannot be programmed. Populate the resistor back after current measurement.

Workaround: Not available

- **Issue:** The onboard RGB LED requires a supply voltage of 3.2 V or greater to function correctly. Using the kit at any voltage lower than 3.2 V will affect the RGB LED operation.

Workaround: Not available

- **Issue:** If the user accidentally shorts the USB supply (VBUS) with ground, for some USB ports you may see a “Power Surge on Hub Port” message on the PC.

Workaround: Not available

- **Issue:** The kit does not have the feature to monitor the power consumption of the PSoC 4000S device from PSoC Programmer.

Workaround: This feature will be added in the next revision of the kit.

For limitations and known issues with the PSoC 4000S silicon, refer to the [PSoC 4000S datasheet](#).

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-041-40XX PSoC 4 S-Series Pioneer  
Kit\<version>\Documentation
```

Documents include:

- *CY8CKIT-041-40XX_Kit_Guide.pdf*
- *CY8CKIT-041-40XX_Quick_Start_Guide.pdf*
- *CY8CKIT-041-40XX_Release_Notes.pdf*
- *KitProg2_User_Guide.pdf*

After opening PSoC Creator, on the Start Page, select **Examples and Kits > Kits > CY8CKIT-041-40XX** for links to the kit documentation on the right panel. Expand **CY8CKIT-041-40XX** for kit code examples. 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 video tutorials including PSoC Creator training, visit www.cypress.com/training.

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