Thank you for your interest in the CY8CKIT-037 PSoC® 4 Motor Control Evaluation Kit (EVK). This document lists installation requirements, kit documentation, limitations, and known issues with the kit.

### Kit Contents

The CY8CKIT-037 PSoC 4 Motor Control Evaluation Kit includes the following:

- CY8CKIT-037 Motor Control Evaluation Board
- 24-V/2.1-A AC-DC Adapter
- Screwdriver
- BLDC motor (BLY172S-24V-4000) with sinusoidal back electromotive force
- USB Standard-A to Mini-B cable
- Configuration Jumpers
- Fuse
- Quick Start Guide

### Software and Tools

The code examples shipped with this kit require PSoC Creator™ 4.2 or later. This is available with the kit installer or on the PSoC Creator webpage (www.cypress.com/psoccreator).

PSoC Programmer 3.27.1 or later is required to program the PSoC 4 device on the CY8CKIT-042 PSoC 4 Pioneer Kit. PSoC Creator installer or the kit installer automatically installs PSoC Programmer.

### Code Examples and Kit Collateral

The CY8CKIT-037 PSoC 4 Motor Control EVK webpage includes the kit installation packages, DVD image (ISO), and setup files (EXE) to install the code examples shipped with this kit. Refer to the Kit Guide included in the kit installer, or the kit webpage for more details on the hardware and examples.

This kit works with the CY8CKIT-042 PSoC 4 Pioneer Kit to get a complete motor control solution. See the kit webpage for more information.

The following five code examples are provided with this kit:

- Sensored BLDC Motor Control
- Sensorless BLDC Motor Control
- Sensorless FOC Motor Control
- SingleShunt FOC Motor Control
- Stepper Motor Control
Installation

Installation instructions are provided in the CY8CKIT-037 PSoC 4 Motor Control Evaluation Kit Guide, which is available at www.cypress.com/CY8CKIT-037.

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 revision *A of the CY8CKIT-037 PSoC 4 Motor Control Evaluation Kit. The code examples shipped with the kit are developed using PSoC Creator™ 4.2.

Limitations and Known Issues

The following are the limitations and known issues in this revision of the CY8CKIT-037 PSoC 4 Motor Control Evaluation Kit. These issues will be resolved in future revisions of this kit.

- Issue: Bridge Control Panel (BCP) monitoring may not be stable when baud rate is set more than 115200.
- Workaround: Baud rate in Bridge Control Panel (BCP) should be less than or equal to 115200.

Documentation

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

<Install_Directory>\CY8CKIT-037 Motor Control EVK\<version>\Documentation

Documents include:

- CY8CKIT-037 Motor EVK User Guide.pdf
- CY8CKIT-037 Motor EVK Quick Start Guide.pdf
- CY8CKIT-037 Motor EVK Release Notes.pdf (This document)

For PSoC Creator documentation, see Help > Documentation. The default location for PSoC Creator documents is:

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

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).

Additional Information

- For more information about PSoC Creator functionality and releases, review the user guide and release notes on the PSoC Creator webpage: www.cypress.com/psoccreator.
- For more information about PSoC Programmer and supported hardware, visit the PSoC Programmer webpage: www.cypress.com/psocprogrammer.
- For a list of trainings on PSoC Creator, visit www.cypress.com/creatorstart/creatortraining.