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Please read the User’s Guide and, specifically, the Warnings and Restrictions notice in the User’s Guide prior to handling the EVB/Kit. This notice contains important safety information about temperatures and voltages. For additional environmental and/or safety information, please contact a Silicon Labs application engineer or visit www.silabs.com/support/quality.

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Mailing Address:
400 W. Cesar Chavez
Austin, TX 78701

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C8051F850 BLDC MOTOR REFERENCE DESIGN QUICK-START GUIDE

The C8051F850 BLDC Motor Reference Design comes with an MCU board, Powertrain Board, BLDC motor, and all cables and power supplies needed to evaluate the reference design and develop code.

Note:
This Development Kit includes a Product Serial Number that expands the 2 kB code-limited evaluation version of the Keil tools to a full version with no code limit. Registration instructions can be found in “AN104: Integrating Keil 8051 Tools into the Silicon Labs IDE”. This Keil tools upgrade process is not required to complete the steps listed in this document.

A. Install Software

1. Insert the CD included in the kit to start installing the F850 BLDC Reference Design kit software. The latest version of the installer can also be found on the Silicon Labs web site:

http://www.silabs.com/blit-soft

2. Select “Install Keil Professional Tools” from the introduction window to install the development tools required for the F850 BLDC Reference Design kit.

3. Click “Next” and follow the installation steps to install all the software, drivers, and documentation.

4. Select “Kit Specific Installation” to activate the kit selection installation dialog.

5. Select the “F850 BLDC HD” kit option and click “Install” to install the Spinware application, BLDC motor firmware, and BLDC hardware design guide tool.

6. Go to the Silicon Labs web site to register the complete tools kit or unlimited version of the Keil F30x Professional Developer’s Raid.

Developed by:

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B. Stand-Alone Operation

C. PC Controlled Operation

Where to Find Support:

Application Notes:
www.silabs.com/8bit-appnotes

MCU Knowledge Base:
www.silabs.com

Support → Knowledge Base

User's Forums:
forum.silabs.com

Contact an Applications Engineer:
www.silabs.com

Support → Contact Technical Support