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 the C8051F850DK User's Guide and in Application Note 104. This Keil tools upgrade process is not required to complete the steps listed in this document.



- CD-BOM
- Universal Power Supply
- 1 x regular USB cable
 - 1 x mini USB cable
- Silicon Laboratories USB Debug Adapter
 - C8021E820 NDP MCU card

Development Kit

needed to evaluate hardware and develop code.

The C8051F85x/86x Development Kits come with an MCU card, USB Debug Adapter, and all necessary cables and power supplies

FEATURING THE UNIFIED DEVELOPMENT RIT QUICK-START GUIDE



EVALUATION BOARD/KIT IMPORTANT NOTICE

Silicon Laboratories Inc. and its affiliated companies ("Silicon Labs") provides the enclosed evaluation board/kit to the user ("User") under the following conditions:

This evaluation board/kit ("EVB/Kit") is intended for use for ENGINEERING DEVELOPMENT, TESTING, DEMONSTRATION, OR EVALUATION PURPOSES ONLY and is not a finished end-product fit for general consumer use. ANY OTHER USE, RESALE, OR REDISTRIBUTION FOR ANY OTHER PURPOSE IS STRICTLY PROHIBITED. This EVB/Kit is not intended to be complete in terms of required design-, marketing-, and/or manufacturing-related protective considerations, including product safety and environmental measures typically found in end products that incorporate such semiconductor components or circuit boards. As such, persons handling this EVB/Kit must have electronics training and observe good engineering practice standards. As a prototype not available for commercial reasons, this EVB/Kit does not fall within the scope of the European Union directives regarding electromagnetic compatibility, restricted substances (RoHS), recycling (WEEE), FCC, CE or UL, and therefore may not meet the technical requirements of these directives or other related directives.

Should this EVB/Kit not meet the specifications indicated in the User's Guide, the EVB/Kit may be returned within 30 days from the date of delivery for a full refund. THE FOREGOING WARRANTY IS THE EXCLUSIVE WARRANTY MADE BY SILICON LABS TO USER, IS USER'S SOLE REMEDY, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, DESIGN, WORKMANSHIP, OR FITNESS FOR ANY PARTICULAR PURPOSE.

User assumes all responsibility and liability for proper and safe handling of the EVB/Kit. Further, User indemnifies Silicon Labs from all claims arising from User's handling or use of the EVB/Kit. Due to the open construction of the EVB/Kit, it is User's responsibility to take any and all appropriate precautions with regard to electrostatic discharge.

EXCEPT TO THE EXTENT OF THE INDEMNITY SET FORTH ABOVE, NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Neither Silicon Labs nor User is obligated to perform any activities or conduct any business as a consequence of using the EVB/Kit, and neither party is entitled to any form of exclusivity with respect to the EVB/Kit.

Silicon Labs assumes no liability for applications assistance, customer product design, software performance, or infringement of patents or services described herein.

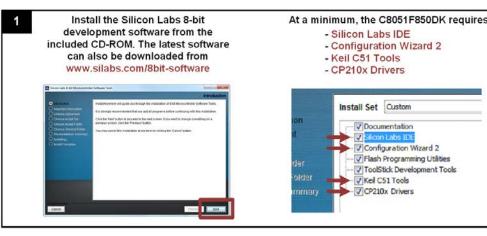
Please read the User's Guide and, specifically, the Warnings and Restrictions notice in the User's Guide prior to handling the EVB/Kit. This notice contains important safety information about temperatures and voltages. For additional environmental and/or safety information, please contact a Silicon Labs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

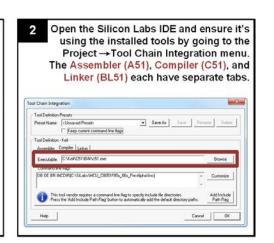
No license is granted under any patent right or other intellectual property right of Silicon Labs covering or relating to any machine, process, or combination in which the EVB/Kit or any of its components might be or are used.

User's use of this EVB/Kit is conditioned upon acceptance of the foregoing conditions. If User is unwilling to accept these conditions, User may request a refund and return the EVB/Kit to Silicon Labs in its original condition, unopened, with the original packaging and all documentation to:

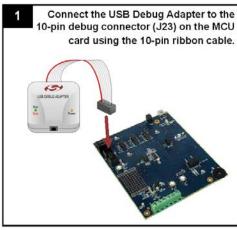
Mailing Address: 400 W. Cesar Chavez Austin, TX 78701

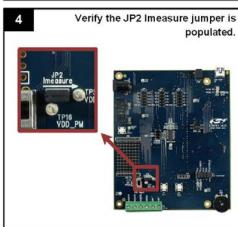
A. Install Software

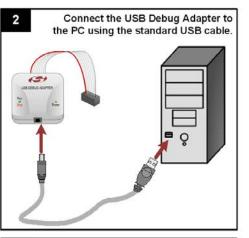


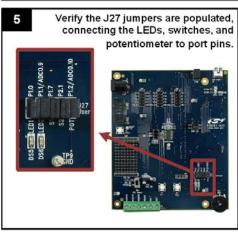


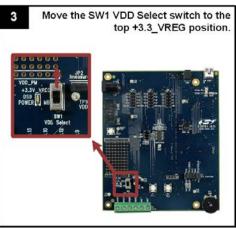
B. Hardware Setup

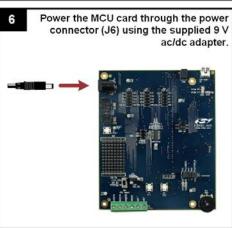




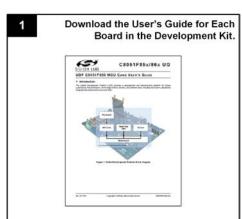








C. Documentation



Where to Find Documentation

C8051F85x/86x Information:

www.silabs.com/8bit-mcu \rightarrow Small Form Factor MCUs \rightarrow C8051F85x/86x

Hardware User's Guide:

www.silabs.com/8bit-mcu \rightarrow Development Tools \rightarrow C8051F850DK OR www.silabs.com/udp

Application Notes:

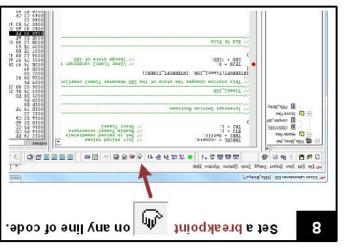
www.silabs.com/8bit-mcu->Application Notes

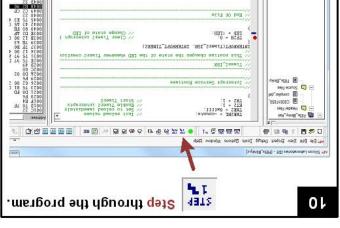
Software

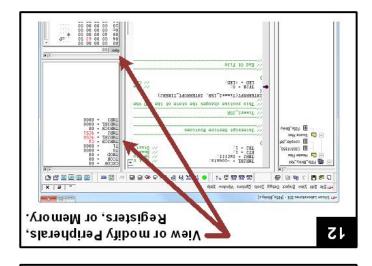
www.silabs.com/8bit-software

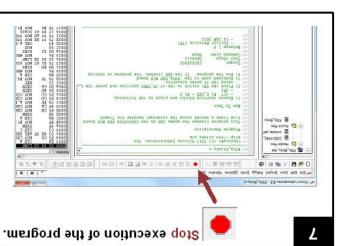
Quality Documents:

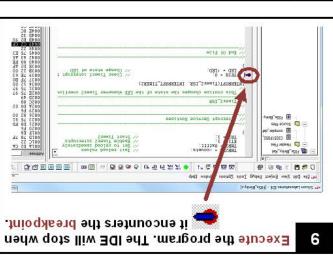
www.silabs.com/quality

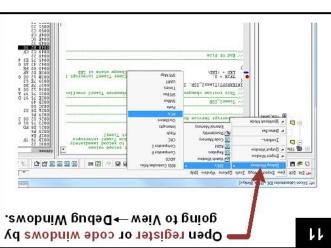












E. Additional Support

Where to Find Support

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

www.silabs.com→Support→Knowledge Base MCU KnowledgeBase:

forum.silabs.com User's Forums:

www.silabs.com→Support→Contact Technical Support Contact an Applications Engineer:



D. Using the Silicon Labs IDE for the First Time

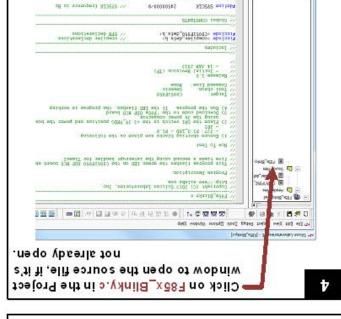
... \Examples\C8051F85x_86x\Blinky by going

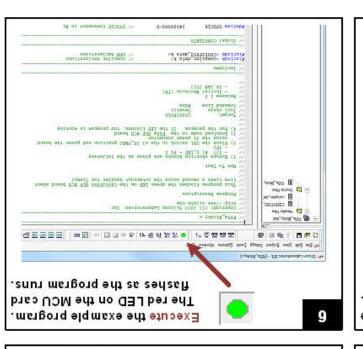
Open the project file F85x_Blinky_Keil.wsp in

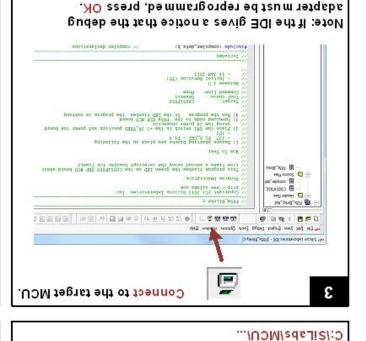
◎ ○ IF可用器器(

to Project →Open Project.









Note: The default installation path is

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