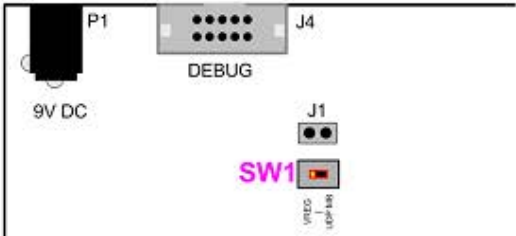


C8051F390-A-DK AND C8051F370-A-DK DEVELOPMENT KIT QUICK-START GUIDE

Installation

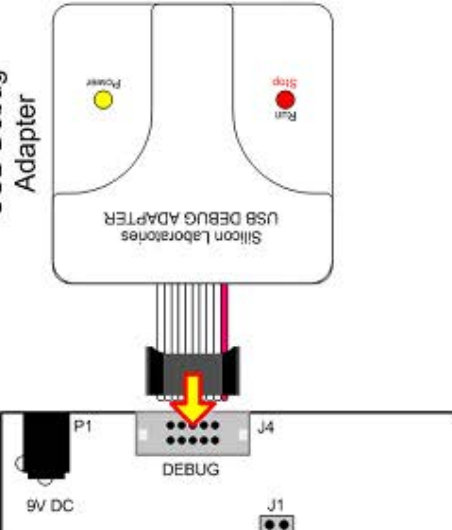
1

Move SW1 switch on MCU card to "VREG" position.



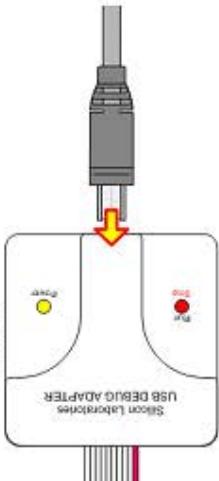
2

Connect USB Debug Adapter ribbon cable to MCU card.



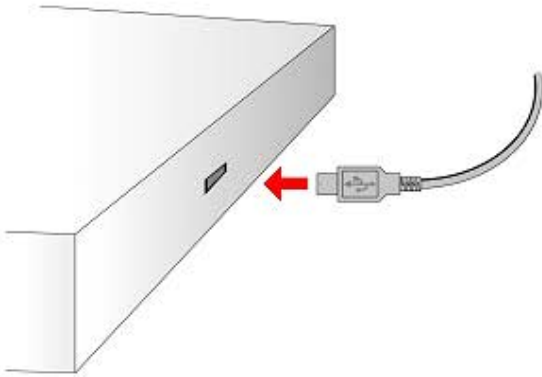
3

Connect USB cable to USB Debug Adapter.



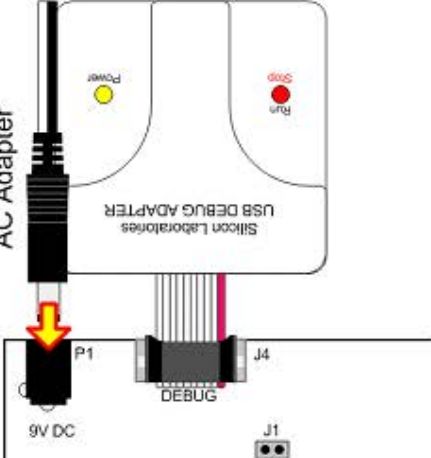
4

Connect USB cable to PC.



5

Connect power supply to MCU card.



Note: Some boards include options for alternate power sources. See Development Kit User's Guide for details.

6

Download all the latest software tools and documentation from the Silicon Labs website URL shown below.

<http://www.silabs.com/mcudownloads>

Download

Note: Choose the Silicon Labs 8-bit Development Tools download package from that web page and install the components.

Note: Refer to Application Note AN104 for Keil tools et installation instructions. Use product serial number VN94 S-LF15J-XZRT3.

7

The Silicon Labs 8-bit Development Tools download package includes the following components and more:

+ Silicon Labs IDE

+ Firmware Examples

+ 8051 Evaluation Toolset

+ Configuration Wizard

+ Flash Programming Utilities

+ Production Programmer

+ CP210x VCP Driver

+ Keil uVision Driver

+ Development Kit User's Guide

+ MCU Datasheet

+ Additional Documentation

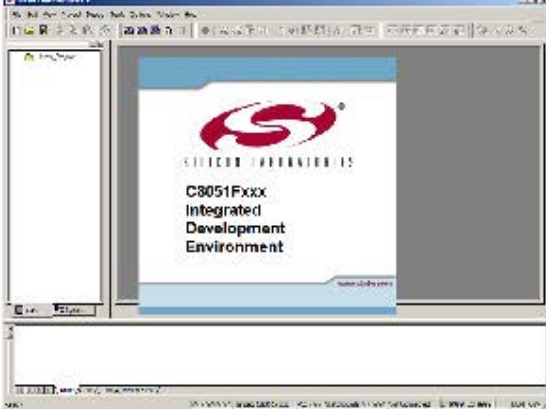
8

From the Programs list in the Start menu, select Silicon Laboratories and click on the Silicon Laboratories IDE logo.



9

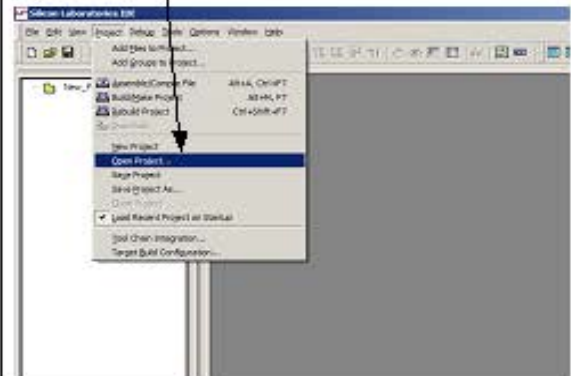
Silicon Laboratories IDE opens.



Example Program

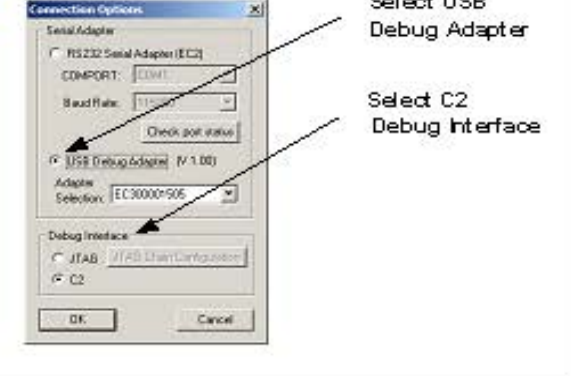
10

Open project file "<Family>_Blinky_C.wsp" located at "C:\SiLabs\MCU\Examples<Family>Blinky"



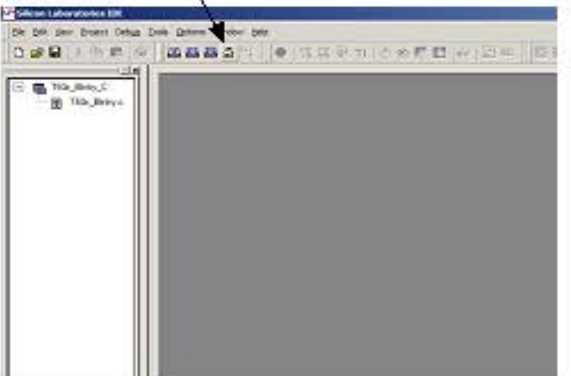
11

Select "Connection Options..." from "Options" menu.



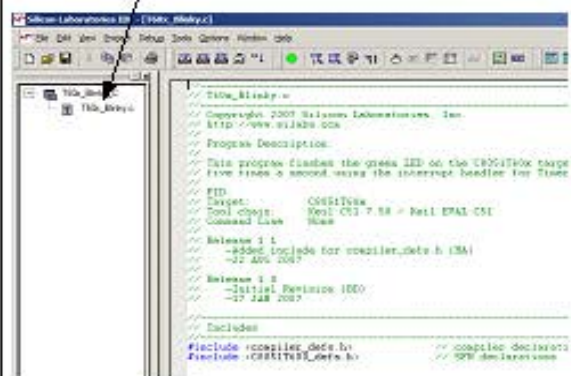
12

Connect to Target Board.



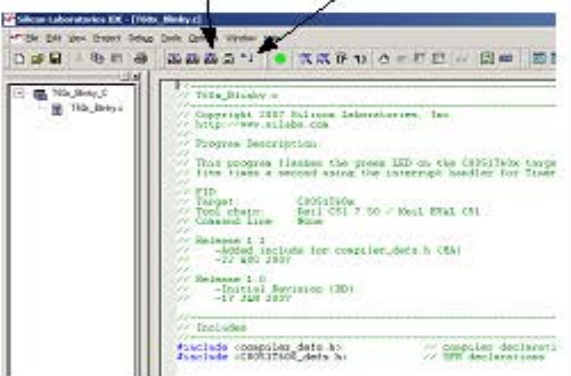
13

Click on "<Family>_Blinky.c" to open source file.



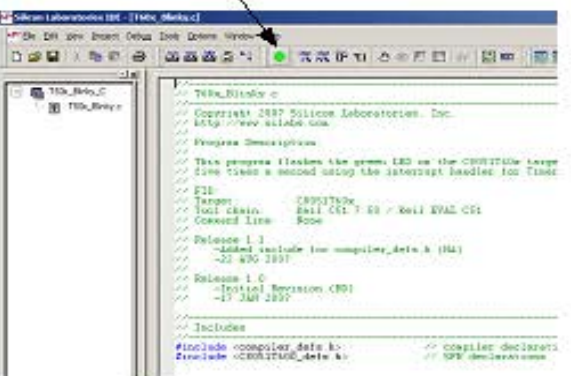
14

Build and Download the program.



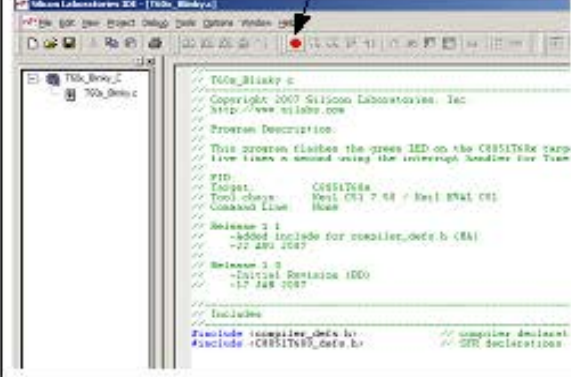
15

Execute example program. Green LED on target board flashes as program runs.



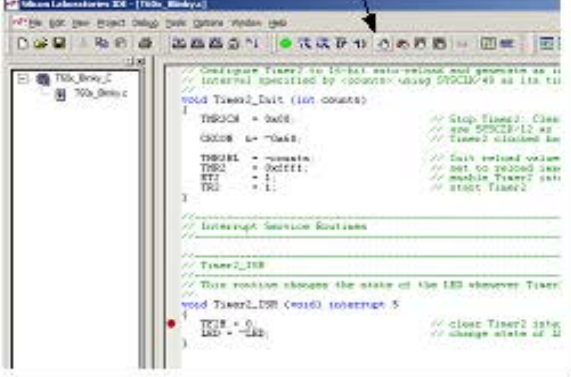
16

Stop execution of example program.



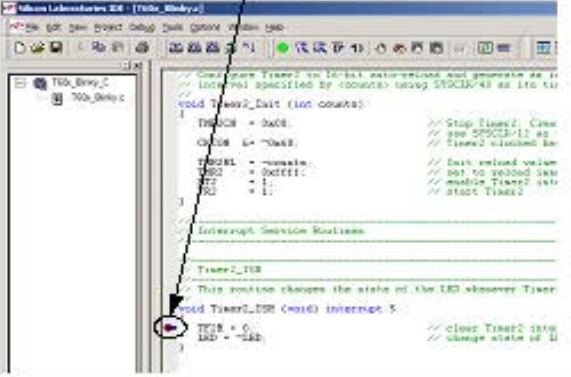
17

Set a breakpoint.



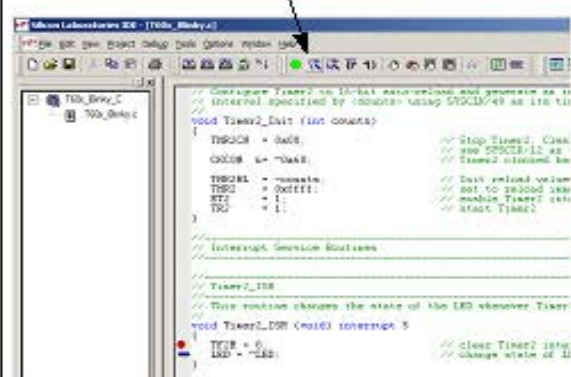
18

Execute program breakpoint encountered.



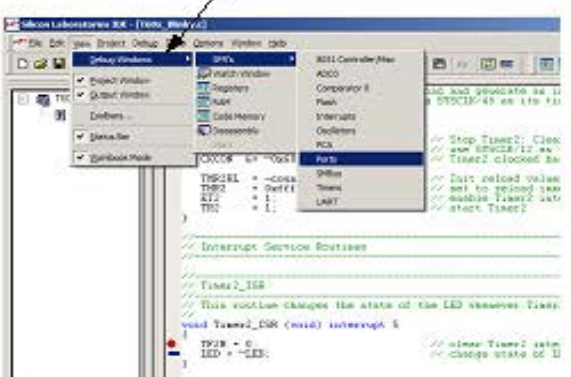
19

Step through program.



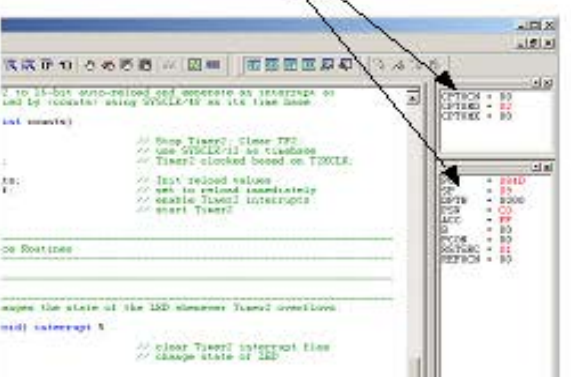
20

Open Debug windows.



21

View/modify Peripherals, Registers, Memory.



- If you are having trouble installing and/or using the development kit, please use the following support resources:
- C8051F39x/7x Development Kit User's Guide (Default path: C:\SiLabs\MCU\Documentation\UsersGuides\)
 - Application Note "AN104: Integrating Keil 8051 Tools Into the Silicon Labs IDE" (contains instructions for obtaining the 4 k limited version of the Keil toolset)
 - Latest versions of Application Notes can be found at <http://www.silabs.com/products/mcu/Pages/8-Bit-Microcontrollers.aspx>
 - MCU Knowledgebase (available at www.silabs.com → SUPPORT)
 - Contact an Applications Engineer using the online information request form (available at www.silabs.com → SUPPORT).