DEMO9S08LL16 QUICK START GUIDE

Introduction and Default Settings

This quick start guide will show how to connect the target board to a host PC, install the correct version of Code-Warrior Development Studio, and execute a simple demonstration program loaded in FLASH memory. The default jumper settings for the DEMO9S08SE8 are shown below
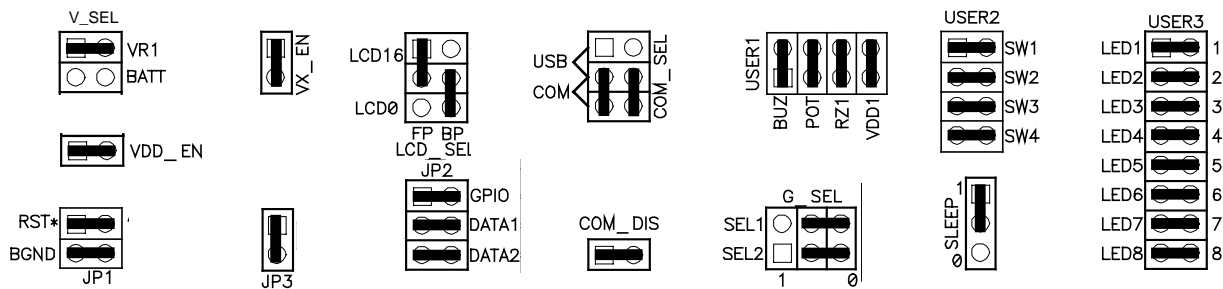

Figure 1: DEMO9S08LL16 Default Settings

Install CodeWarrior Development Studio for or Microcontrollers, Special Edition

The DEMO9S08LL16 board ships with CodeWarrior Development Studio for Microcontrollers, a complete Integrated Development Environment (IDE) that provides a highly visual and automated framework to accelerate the development of the most complex embedded applications. To install the IDE, refer to the "CodeWarrior Development Studio" DVD case and follow the steps in the included Quick Start Guide.

CodeWarrior Development Studios for Microcontrollers must be properly installed before attempting to connect the target board to the host PC. Otherwise, the necessary USB drivers will not be available and the host PC will not recognize the board.

Run the demo program

The DEMO9S08LL16 ships with an LCD demonstration program loaded into on-chip FLASH memory. The demo application illuminates all LCD elements and displays a scrolling marquee with the board name. The demo application then displays a timer with HH:MM:SS format. The timer will count as long as power is applied.

1. Verify the configuration jumpers are set to the default position. Refer to Figure 1 above.
2. Connect the included USB cable to an open USB port on the host PC and to the USB connector on the target board.

Email: www.axman.com

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3. Follow the on-screen instructions to install the necessary USB drivers.
4. After the USB drivers are properly installed, the USB, VDD, and LED1 – LED8 will be ON.
5. A scrolling marquee showing the board name will display on the LCD followed by a timer in HH:MM:SS format
6. Press SW2 to start the ACCEL demo. Follow prompts on the LCD to execute the ACCEL Demo.

Troubleshooting

If the target BDM fails to connect:

1. Ensure option jumpers are in default position and securely seated, refer to Figure 1 above

2. Ensure the correct version of CodeWarrior is installed with all available updates

3. Ensure the USB cable is securely connected to both the host PC and the target board

If the Accel Demo fail to execute properly

1. Remove and replace the VDD_EN jumper then try again

2. Apply power to the PWR jack

If the above Troubleshooting tips fail to correct the problem, please contact Freescale Semiconductors for further assistance. Refer to the included in the kit for contact information. Assistance may also be found by contacting Axiom Manufacturing directly at support@axman.com.