

DEMO9S08LH64 QUICK START GUIDE

Introduction and Default Settings

The DEMO9S08LH64 and DEMO9S08LL64 boards feature the MC9S08LH64 and MC9S08LL64 microcontrollers respectively. The MC9S08LH64 and MC9S08LL64 are members of the low-cost, low-power, high-performance HCS08 Family of 8-bit microcontroller units (MCUs). Both boards feature a 8 x 36 custom LCD glass. A pre-loaded demonstration applet illustrates LCD control and operation. Default jumper positions for the DEMO9S08LH64 and DEMMO9S08LL64 are shown below.

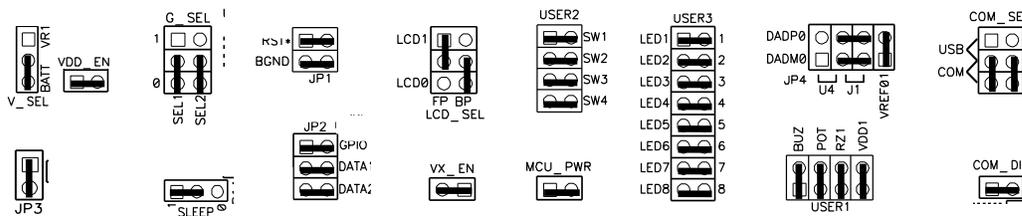


Figure 1: DEMO9S08LH64 Default Option Settings

Install CodeWarrior Development Studio

The DEMO9S08LH64 and DEMO9S08LL64 boards ships with the latest version of CodeWarrior Development Studio for Microcontrollers Special Edition. CodeWarrior Development Studio is a complete Integrated Development Environment (IDE) that provides a highly visual and automated framework to accelerate the development of the most complex embedded applications.

NOTE:

CodeWarrior Development Studios 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.



To Install CodeWarrior for Microcontrollers:

Insert the CodeWarrior Development Studio for Microcontrollers, insert the installation CD into a CD / DVD drive. The installation will start automatically. If the installation fails to start, start the installation program manually. Open Windows Explorer and navigate to the CD / DVD drive where the CodeWarrior disk is inserted. Double click on Launch.exe to launch the installer. Follow the on-screen instructions to install the CodeWarrior IDE and integrated programmer.

To Launch the Demo Program:

The DEMO9S08LH64 and DEMO9S08LL64 boards ship with a demonstration program preloaded into on-chip FLASH memory. The demonstration program converts an analog reading from the POT and displays the results to the LCD.

1. Verify the option jumpers are set in default positions. Refer to Figure 1 above.
2. Connect the included A/B USB cable between an open USB port on the host PC and the USB connector on the target board. Follow the on-screen instructions to install the necessary USB drivers.
3. The LCD will display the current POT position.
4. Rotate the POT and notice how the display changes.

The Quick Start CodeWarrior Project may be downloaded from the Axiom Manufacturing web site at www.axman.com/support.

Troubleshooting

If the demonstration application fails to function as indicated above, please follow the steps below before contacting Freescale Semiconductors. Please refer to the TIC card included in the DEMO9S08LH64 kit for contact information.

- Ensure the option jumpers are set to default positions. Refer to Figure 1 above.
- Ensure the correct version of CodeWarrior is installed and that the LH64 or LL64 Service Pack is installed
- Ensure POT jumper at USER1 option block header is installed.

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