DEMO9S08QA4 QUICK START GUIDE

Introduction and Default Settings

This quick start guide will show how to connect the target board to a PC, install the correct version of CodeWarrior Development Studio, and execute a simple demonstration program loaded in FLASH memory. The default jumper settings for the DEMO9S08QA4 are shown below
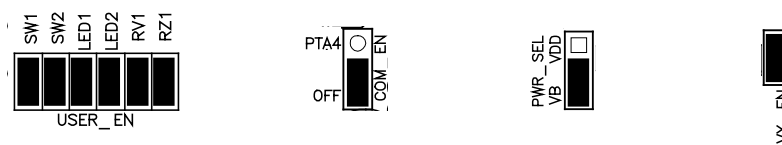

Figure 1: DEMO9S08QA4 Default Settings

Install CodeWarrior Development Studio for ColdFire Special Edition

To install CodeWarrior Development Studio for ColdFire Special Edition, refer to the "CodeWarrior Development Studio" DVD case and follow the steps in the included Quick Start Guide.

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 M52210DEMO board.

Run the demo program

The DEMO9S08QA4 ships with a simple demonstration program preloaded into on-chip FLASH memory. The demo application configures PTAD3 as an output then toggles the pin periodically. The toggle period is controlled by the internal timer oscillating at the BUSCLK rate divided by 4.

Because the LEDs are not connected to the target MCU, the user must install a jumper wire from the J1- 11 to J1-27. This will allow LED1 to flash at approximately 8 Hz. A jumper wire accessory kit is included in the board kit for this purpose.

The Quick Start CodeWarrior Project is located on the Getting Started DVD included in the board kit. The project may also be downloaded from the Axiom Manufacturing web site at www.axman.com.

Email: www.axman.com

Support: support@axman.com

To Launch the Demo Program:

1. Verify the option jumpers are set in default positions. Refer to Figure 1 above.
2. Install a jumper wire from J1-11 to J1-27.
3. 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.
4. Notice the LED1 flashes at approximately 8 Hz. The LED will flash while power is applied.

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 DEMO9S08QA4 kit for contact information.

- Ensure the correct version of CodeWarrior is installed and all that available Service Packs are installed

- Ensure the JUNGO drivers are loaded in the Windows Device Manager. Select the System icon from the Control Panel. Then select Hardware tab in the System Properties window. On the Hardware tab, select the Device Manager button.

- Ensure the PWR_SEL option jumper is set to VB. Refer to Figure 1 above.

- Ensure the COM_EN jumper is set to OFF. Refer to Figure 1 above.

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

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