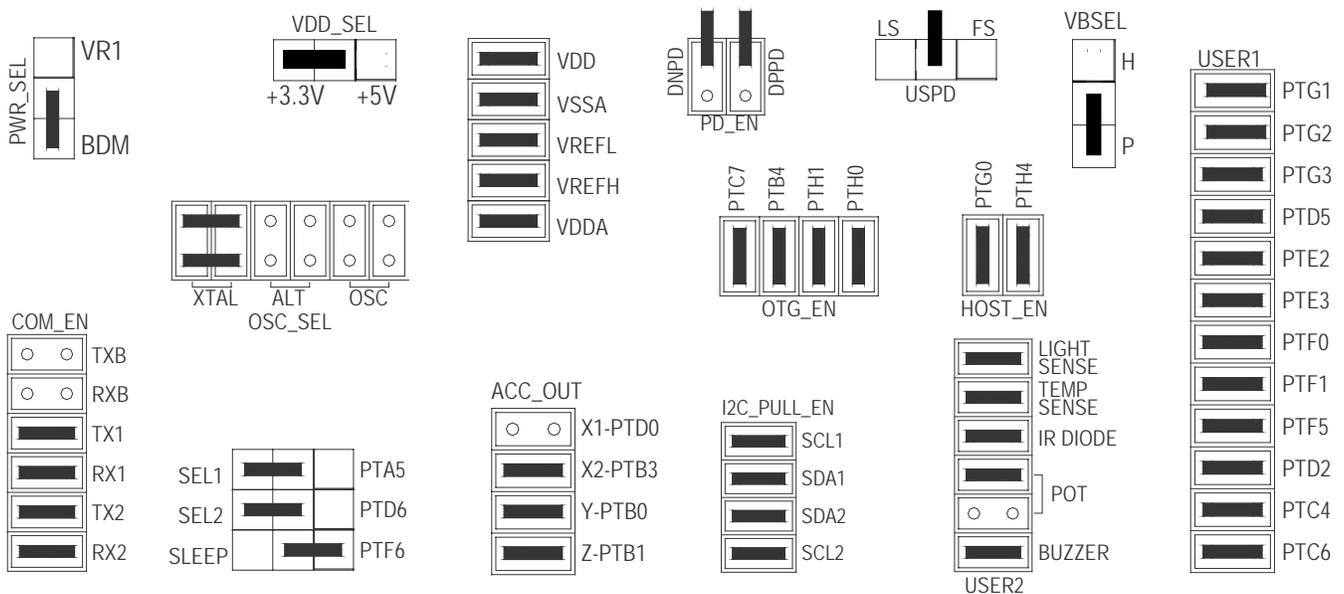


EVB51JM128 QUICK START GUIDE

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 demonstration program loaded in FLASH memory. The default jumper settings for the EVB51JM128 are shown below



OTHER OPTION HEADERS ARE DON'T CARE

Figure 1: EVB51JM128 Default Settings

Install CodeWarrior Development Studio for Microcontrollers Special Edition

To install CodeWarrior Development Studio for Microcontrollers, V6.0 or later. 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 board.



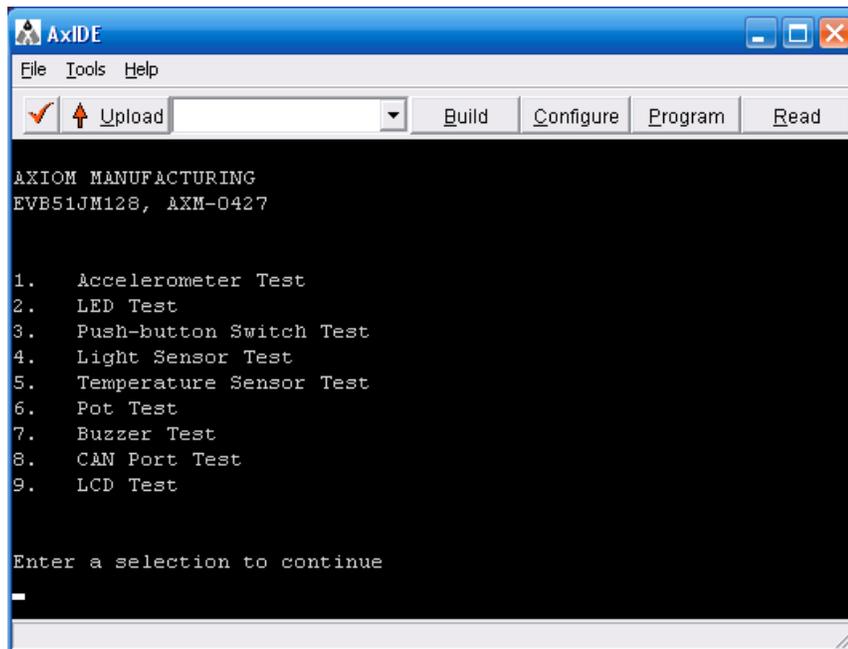
Email: www.axman.com

Support: support@axman.com

To Launch the Demo Program:

The EVB51JM128 ships with a simple demonstration program preloaded into on-chip FLASH memory. The demo application sends an ASCII text menu to COM1 at 19,200 bps. The displayed menu will allow testing of each of the board peripherals.

1. Verify the option jumpers are set in default positions. Refer to Figure 1 above.
2. Connect a serial cable between a host PC and COM1 on the target board.
3. Open a terminal program on the PC and configure for 19200, 8, N, 1
4. 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.
5. A menu will display within the terminal program window.



6. Pressing a number key on the keyboard will execute the associated test. Please note, the CAN Test and LCD Test are not functional.

See the Troubleshooting Section below if the Accelerometer Test fails.

The CodeWarrior Project is available on the Getting Started DVD included with the target board. This program may also be downloaded from the Axiom Manufacturing web site at www.axman.com.

To access the CodeWarrior project on the Axiom Manufacturing web site, simply select the Support link at the top of the page. Then navigate to ColdFire | EVB51JM128 – CFV1.



Email: www.axman.com
Support: support@axman.com

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 EVB51JM128 kit for contact information.

- Ensure the correct version of CodeWarrior 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 option jumpers are set to default positions. Refer to Figure 1 above.
- Verify the +3.3V and +5V voltage indicators are ON.
- Verify input power is connected. Using a multi-meter, measure at least +7V at input power.
- Verify the PC COM port is working by substituting a known good serial device or by doing a loop back diagnostic.
- If the accelerometer fails to function as expected when powered from the USB BDM, apply power to the board from an external power supply.
- If terminal output is unreadable, adjust the MCGTRM value until the internal bus runs at approx. 4MHz. The value is loaded by the demo program in the main.c module.
- Disconnect all external connections to the board except for COM1 to the PC and the wall plug and check operation again.

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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