

ide for TWR-MCF51JF

TOWER SYSTEM

Quick Start Guide

Design Innovation. Accelerated. (TWR-MCF51JF)





Get to Know the TWR-MCF51JF



Connector



TWR-MCF51JF Freescale Tower System

The TWR-MCF51JF module is part of the Freescale Tower System, a modular development platform that enables rapid prototyping and tool re-use through reconfigurable hardware. Take your design to the next level and begin constructing your Tower System today.



Step-by-Step Installation Instructions

In this Quick Start Guide, you will learn how to set up the TWR-MCF51JF module and run the default demonstration.



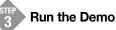
Install the Software and Tools

Install the P&E Micro OSBDM Drivers and Virtual Serial Port Utilities, CodeWarrior, Freescale MQX[™] and any related service packs. Installers for these tools can be found on the DVD under Software or on the TWR-MCF51JF website (see link from **freescale.com/Tower**).



Configure Hardware

Connect one end of the USB cable to the PC and the other end to the Power/OSBDM mini-B connector on the TWR-MCF51JF module. Allow the PC to automatically configure the USB drivers if needed.



- 1. Open the P&E Terminal Utility (Start Menu>All Programs>P&E OSBDM OSJTAG Virtual Serial Toolkit>Utilities>Terminal Utility).
- 2. Select "USB COM" port and 19200 baud. Click "Open Serial Port."



- 3. Press the Reset button. A prompt will appear in the terminal window.
- 4. Follow the instructions to toggle the green and orange LEDs.
- 5. Press the IRQ button to move to the capacitive touch demo. Press a few keys in the terminal window to clear the input buffer.
- 6. Touch the E1 or E2 electrodes to change the state of the LEDs and send a message on the terminal.
- 7. Press the IRQ button to move back to the toggle LED function.





Explore all the features and capabilities of the pre-programmed demo by reviewing the lab document located at freescale.com/TWR-MCF51JF



Find more information about ColdFire+ microcontrollers and the TWR-MCF51JF development system at freescale.com/ ColdFire+ and freescale.com/TWR-MCF51JF.

To learn more about the TWR-MCF51JF and other modules within the Tower System, visit **freescale.com/ColdFire+** and **freescale.com/Tower**. To become a member of the online Tower Geeks community, visit **towergeeks.org**.

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