



Guide for TWR-MCF51JF

TOWER SYSTEM



Quick Start Guide

Design Innovation.
Accelerated. (TWR-MCF51JF)





Get to Know the TWR-MCF51JF



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.

**STEP
1**

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).

**STEP
2**

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.

**STEP
3**

Run the Demo

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.



STEP
4

Explore Further

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

STEP
5

Learn More about ColdFire+ Microcontrollers

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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