Quick Start Guide

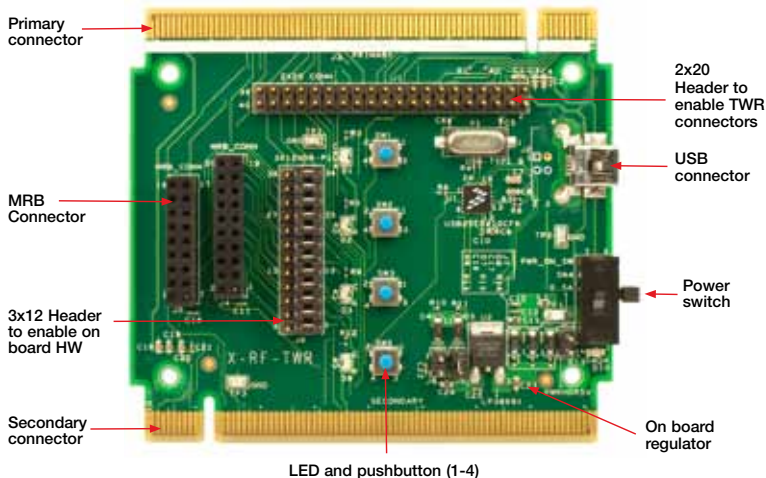## TWR-RF-MRB

RF Tower System Module for Freescale
Wireless Modular Reference Boards

TOWER SYSTEM

Get to Know the TWR-RF-MRB

Primary connector

2x20 Header to enable TWR connectors

USB connector

MRB Connector

Power switch

3x12 Header to enable on board HW

Secondary connector

On board regulator

LED and pushbutton (1-4)

TWR-RF-MRB
Freescale Tower System

The TWR-RF-MRB module is part of the Freescale Tower System portfolio, a modular development platform that enables rapid prototyping and tool re-use through reconfigurable hardware. Elevate your design to the next level with this industrial power house by building your Tower System today.

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TWR-RF-MRB Features

The TWR-RF is a Tower System controller module compatible with the Freescale Tower System. It can function as a stand-alone, low-cost platform for the evaluation of the MC12311 or MC1323x devices using the appropriate modular reference board (MRB) (12311-MRB or 1323x-MRB). The TWR-RF module works with the Tower System elevator modules (TWR-ELEV) and can also be combined with other Freescale Tower System peripheral modules to create development platforms for a wide variety of applications.

The board photo on the opposite page identifies some of the key features of the TWR-RF module. The following list summarizes those features:

• Standard sockets 100 mils J5 and J4 (2x9 and 2x10) to connect either an MC1323x MRB or an MC12311 MRB

• Standard header 100 mils J1 (2x20) to enable signaling path to TWR primary and secondary connectors

• Standard header 100 mils J6 (3x12) to enable signaling to onboard HW and USB interface or to TWR system hardware

• On-board regulator to provide external supply

• Four (4) user-controllable LEDs

• Four (4) user pushbutton switches

• USB Mini-B connector

For more information on the TWR-RF-MRB module, see the Tower-RF Reference Manual (TWRRFRM) located at **freescale.com**.

Support

Visit **freescale.com/support** for a list of phone numbers within your region.

Warranty

Visit **freescale.com/warranty** for complete warranty information.

For more information, visit freescale.com/Wireless or freescale.com/Tower

Join the online Tower community at towergeeks.org