



# Quick Start Guide

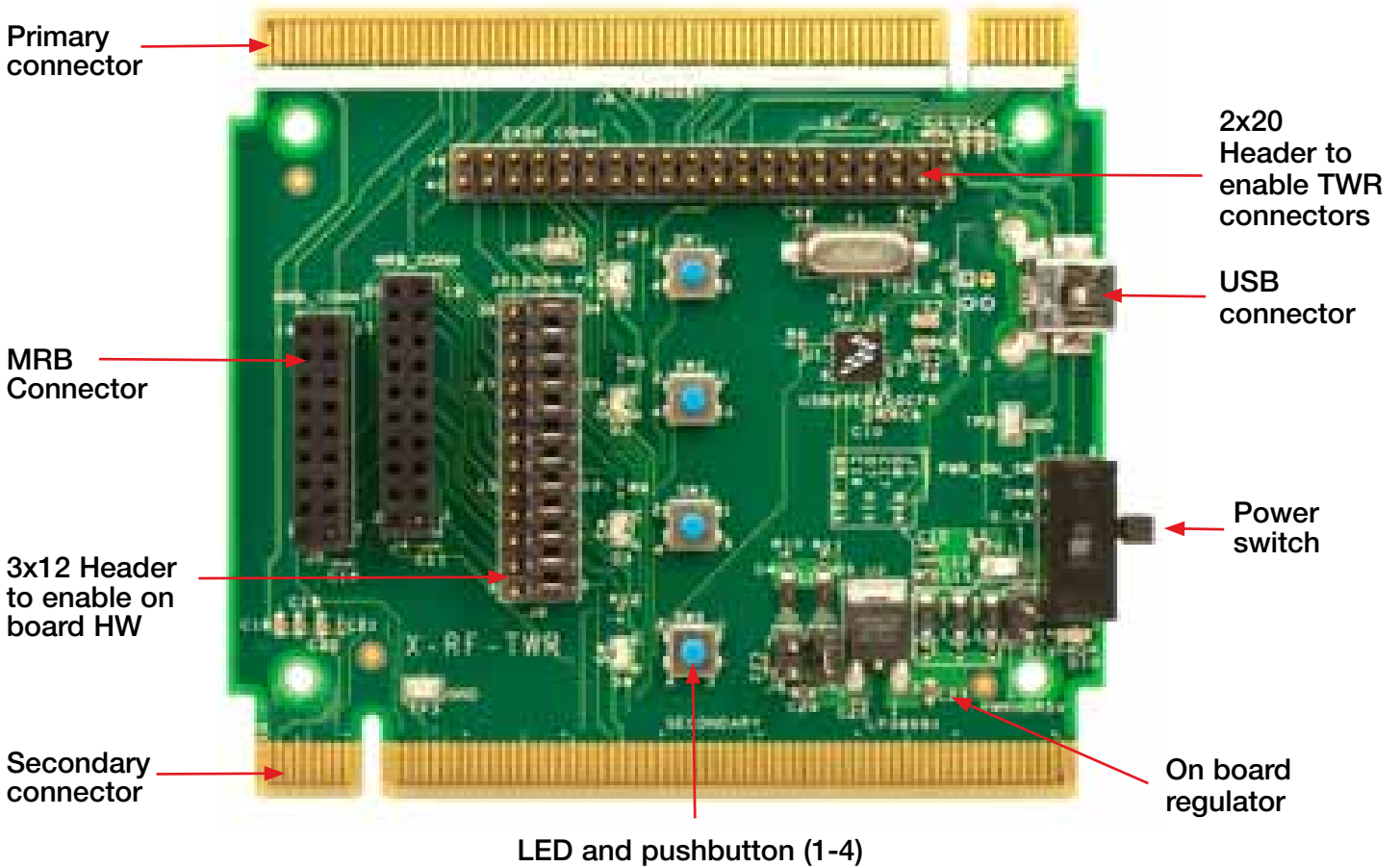
## TWR-RF-MRB

RF Tower System Module for Freescale  
Wireless Modular Reference Boards



**TOWER SYSTEM**

# Get to Know the TWR-RF-MRB



## 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.

# 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

## Quick Start Guide

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**

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