Quick Start Guide

Capacitive Touch Tower Plug-In
Starter Kit (TWRPI-TOUCH-STR)

Energy
Efficient Solutions
optimized for low power

TOWER SYSTEM

Get to Know the TWRPI-TOUCH-STR
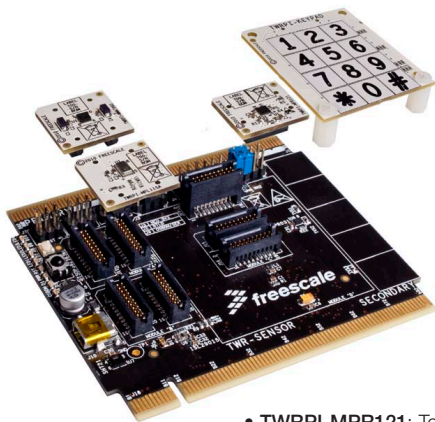
Features

- Compatible with the Freescale Tower System modules with touch sense and touch pad tower plug-In (TWRPI) sockets
- **TWRPI-TSS**: Touch sense TWRPI with pull-up resistors for use with MCUs running touch sense software (TSS) and interfacing to touch pad TWRPIs using GPIO signals

- **TWRPI-MPR121**: Touch sense TWRPI with Freescale MPR121 touch sense controller. Manages touch interfaces to touch pad TWRPIs and communicates back to the host MCU via I²C.
- **TWRPI-ROTARY**: Touch pad TWRPI with a discrete, non-multiplexed rotary touch pad interface
- **TWRPI-KEYPAD**: Touch pad TWRPI with a classic 12-button keypad interface

Step-by-Step Installation Instructions

In this Quick Start Guide, you will learn how to install the TWRPI touch module.

1 Install a TWRPI Touch Module

• Identify an open touch sense or touch pad TWRPI socket on a compatible Tower controller module. Touch sense sockets consist of two parallel shielded male connectors. Touch pad sockets consist of a single shielded male connector.

• Carefully insert the TWRPI module into the appropriate TWRPI socket. The TWRPI module and socket are keyed to only fit in the correct socket type in the proper orientation.

2 Install Development and Touch Sensing Software

• Check **freescale.com/touchsensing** and the appropriate page for the Tower controller module on **freescale.com/Tower** for the latest software for the TWRPI touch modules.

3 Follow Additional Web Resources

• Additional resources, such as lab software and guides, can be found at **freescale.com/Tower**.

To learn more about the TWRPI-TOUCH-STR and other modules within the Tower System, visit freescale.com/Tower

To become a member of the online Tower Geeks community, visit towergeeks.org

freescale™