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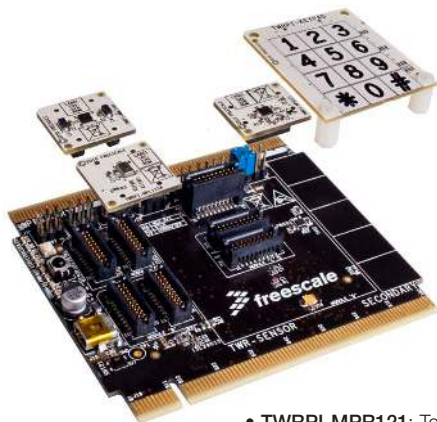
# Quick Start Guide

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



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 I<sup>2</sup>C.
- **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](https://www.freescale.com/touchsensing) and the appropriate page for the Tower controller module on [freescale.com/Tower](https://www.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](https://www.freescale.com/Tower).



To learn more about the TWRPI-TOUCH-STR and other modules within the Tower System, visit [freescale.com/Tower](http://freescale.com/Tower)

To become a member of the online Tower Geeks community, visit [towergeeks.org](http://towergeeks.org)

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