



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



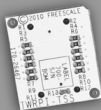
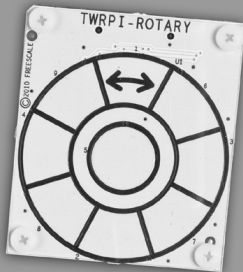
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

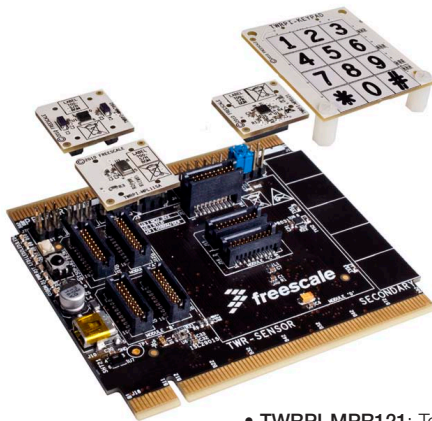




Quick Start Guide

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

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

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Doc Number: TWRPISTRQSG REV 0
Agile Number: XXX-XXXXXX REV A