

TWRPI-TOUCH-STR: Capacitive Touch Plug-In Tower System Starter Kit ☆

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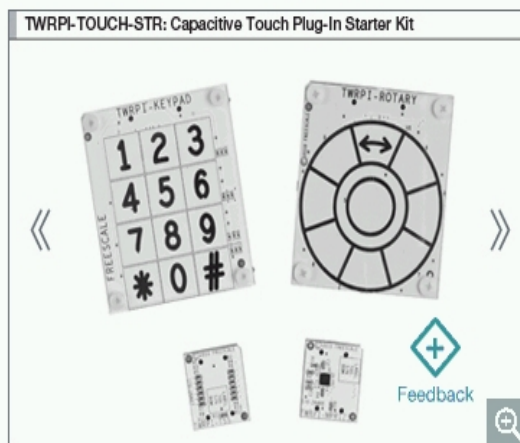
Human-Machine Interface (HMI) designs are in high demand, especially those requiring cost-effective touch-sensing functionality. Adding capacitive touch to your embedded design is simple with Freescale's TWRPI Plug-In Starter Kits. The TWRPI-TOUCH-STR which bundles a complete set of four snap-in components, the TWRPITSS Sliders Kit which includes a set of slider solutions including a 2D matrix, a Rotary and a vertical slider and the TWRPITSS Shielded Kit with different shielding setups. Simply place any combination of plug-ins onto a parent controller or peripheral module in the Tower System, and start prototyping quickly and easily. It's that simple and, quite literally, at your fingertips.

Features

- Compatible with the Freescale Tower System modules with touch sense and touch pad tower plug-in (TWRPI) sockets
- Bundled as 3 different sets of plug-ins: TWRPI-TOUCH-STR, the TWRPITSS-Sliders and the TWRPITSS-SHIELD
- The TWRPI-TOUCH-STR, includes a discrete non-multiplexed rotary touchpad interface, a classic 12 button keypad interface, an MPR121 to manage touch pad interfaces and communicate back to the host MCU via I2C and the TSS board with pull-up resistors for use with the MCU
- The TWRPITSS-Sliders offer a linear analog slider made up of 2 electrodes and complemented with single electrodes for additional functions, the second board is a circular analog slider made up of 4 electrodes. A central electrode is provided for extra functionality
- The TWRITSS-SHIELD contains 2 boards with different shielded layouts

Related Software and Tools

TSSEVB: Touch-Sensing Software Evaluation Board
MQX: Freescale MQX™ Software Solutions
PROCESSOR-EXPERT: Processor Expert Software – Integrated with CodeWarrior Tools

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Supported Devices

- Kinetis Low Power 32-bit Microcontroller (MCUs) based on ARM® Cortex®-M Cores
- ColdFire+ MCUs
- S08

Featured Documentation

[TWRPISTRQSG:](#) TWRPI-TOUCH-STR Quick Start Guide
[TWRFS:](#) Freescale Tower System - Fact Sheet

Current Updates and Releases

[TWRPITSS_SCH:](#) TWRPI-TSS Schematics

Kit Contains

- TWRPI-MPR121
- TWRPI-TSS
- TWRPI-ROTARY
- TWRPI-KEYPAD
- Quick Start Guide document

Tower Geeks



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