

MSP430 CapTivate™ Touch Keypad BoosterPack



Description

The BOOSTXL-CAPKEYPAD is an easy-to-use evaluation module (EVM) for the MSP430FR2522 capacitive touch sensing microcontroller (MCU) with CapTivate™ technology. The BOOSTXL-CAPKEYPAD can be used in three different ways - with a LaunchPad™ development kit, with the CapTivate development kit (MSP-CAPT-FR2633) or with the CapTivate programmer board (CAPTIVATE-PGMR).

The BOOSTXL-CAPKEYPAD enables you to extend your LaunchPad™ development kit design by adding a 12-key capacitive touch numeric keypad with LED backlighting and proximity wake-up. Don't have a LaunchPad kit? The BOOSTXL-CAPKEYPAD may be used as a simple CapTivate technology evaluation module when coupled with the CAPTIVATE-PGMR for interfacing to a host PC running the CapTivate Design Center. It is even possible to bypass the onboard keypad and connect up to three external capacitive sensors to the BOOSTXL-CAPKEYPAD to test out your own sensor design concepts. If you have a CapTivate development kit (MSP-CAPT-FR2633) you can use the programmer board that is part of the kit to evaluate the BOOSTXL-CAPKEYPAD.

Features

- MSP430FR2522 MSP430 MCU with CapTivate technology
- 40-pin BoosterPack standard leveraging the LaunchPad ecosystem
- CapTivate programming header for interfacing with CAPTIVATE-PGMR
- 12 touch button numeric keypad with proximity sensor
- Integrated LP3943 LED driver for backlighting

What's Included

1x BOOSTXL-CAPKEYPAD BoosterPack

Demo Video Links

<https://training.ti.com/capacitive-touch-boosterpack-module-board-tour>

<https://training.ti.com/demo-capacitive-touch-boosterpack-launchpad-development-kits>

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