

Capacitive touch MSP430FR2633 MCU board

CAPTIVATE-FR2633 (ACTIVE)

 **Description & Features**

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Description

The CapTivate™ MSP430FR2633 MCU board (CAPTIVATE-FR2633) is a simple evaluation board for evaluating capacitive touch and proximity sensors through the use of plug-in sensor boards (sold seperately). The MCU board has a 20-pin female debug connector for debugging the on-board MSP430FR2633 CapTivate MCU and a 48-pin sensor panel connector for connecting to external capacitive touch sensors. Also included on the MCU board is a partially filled out BoosterPack™ plug-in module header, which enables limited LaunchPad™ and BoosterPack ecosystem support. Currently supported kits include the MSP-EXP432P401R, BOOSTXL-CC2650MA, and BOOSTXL-K350QVG-S1 in the Access Control Panel with Bluetooth Low Energy and Capacitive Touch Reference Design (TIDM-1004) and the MSP-EXP432P401R and BOOSTXL-K350QVG-S1 in the SimpleLink™ MSP432™ MCU With MSP430™ Capacitive Touch MCU, Haptics, and LCD Reference Design (TIDM-CAPTIVATE-MSP432).

Features

- Interfaces to CapTivate ecosystem sensor panel boards such as the CAPTIVATE-BSWP
- 16 capacitive touch enabled IOs available on the sensor panel connector
- Limited BoosterPack module support
- Provision for an external 2-pin power header that can be used to provide external power to the PCB

What's Included

- CAPTIVATE-FR2633 MCU board
- CAPTIVATE-PGMR not included; CAPTIVATE-PGMR is required for tuning and programming
- CapTivate sensor boards not included; bundle a TI-provided sensor board below or use your own sensor board for evaluation.

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
CAPT-FR2633-BNDL: CAPTIVATE-FR2633 + CAPTIVATE-BSWP + CAPTIVATE-PHONE + CAPTIVATE-PGMR bundle	Order Online	Not Available	ACTIVE
CAPTIVATE-FR2633: Capacitive touch MSP430FR2633 MCU board	Add to cart	Not Available	ACTIVE
CAPTIVATE-PHONE : Capacitive touch mutual capacitance sensor demonstration board with haptic feedback	Add to cart	Not Available	ACTIVE
CAPTIVATE-BSWP : Capacitive touch self capacitance button, slider, wheel, and proximity sensor demonstration board	Add to cart	Not Available	ACTIVE
CAPTIVATE-PGMR : MSP430 CapTivate MCU Programmer	Add to cart	Pricing may vary. Buy from distributor	ACTIVE
Contact a Distributor Netherlands Go			

 TI's [Standard Terms and Conditions for Evaluation Items](#) apply.

Related Products

TI Devices (4)

Part Number	Name	Product Family
MSP430FR2532	16 MHz Ultra-Low-Power Microcontroller With 8 KB FRAM, CapTivate Touch Technology	Microcontrollers (MCU)
MSP430FR2533	16 MHz Ultra-Low-Power Microcontroller with 16 KB FRAM, CapTivate touch technology	Microcontrollers (MCU)
MSP430FR2632	16 MHz Ultra-Low-Power Microcontroller With 8 KB FRAM, CapTivate touch technology	Microcontrollers (MCU)
MSP430FR2633	MSP430 MCU with CapTivate technology - the lowest power, most noise-immune capacitive touch	Microcontrollers (MCU)

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