CAPTIVATE-BSWP

Capacitive touch self-capacitance button, slider, wheel, and proximity sensor demonstration board

Product Overview

06-29-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Texas Instruments CAPTIVATE-BSWP Demonstration Board is a CapTIvate™ button, slider, wheel, and proximity demonstration board. This board is a simple evaluation platform for self-capacitance capacitive touch sensors in a variety of configurations. The sensor panel demonstrates low power design principles for battery-powered applications and showcases MSP430™ CapTIvate MCU's wake-on-proximity state machine feature. The CAPTIVATE-BSWP panel board also demonstrates the high slider and wheel sensor resolution achievable with self-capacitance sensors.
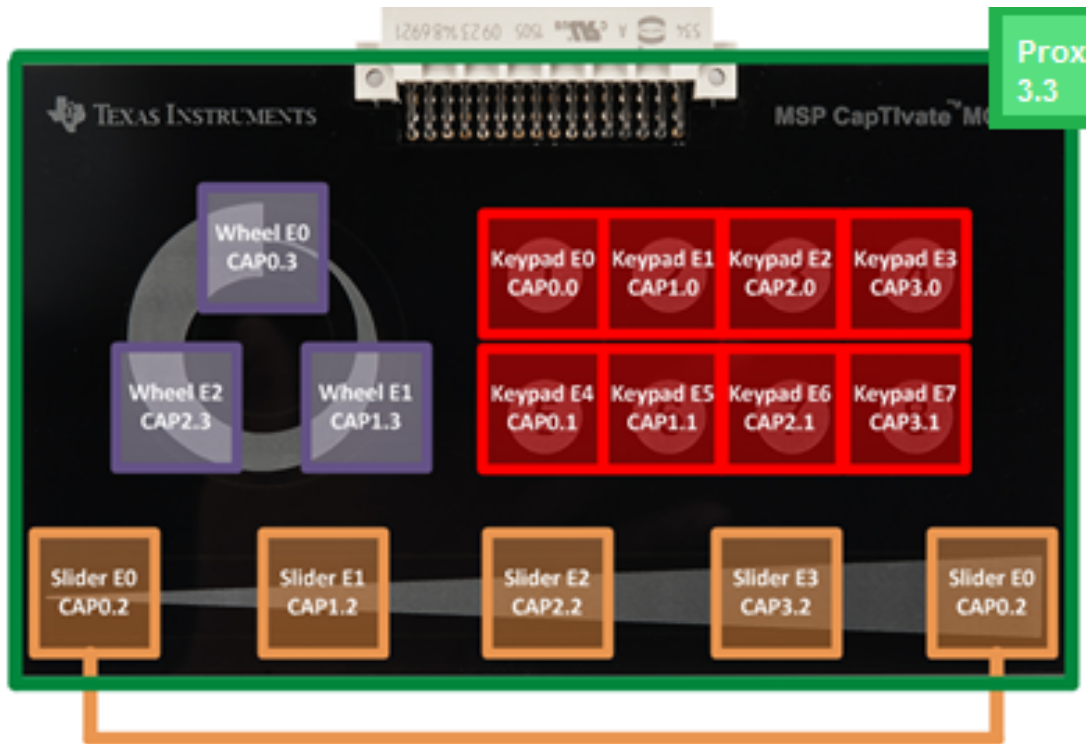
Features

- Low power design principles for a battery powered application
- Interfaces to MSP430 CapTIvate™ ecosystem MCU boards, such as the CAPTIVATE-FR2633
- 16 capacitive touch elements, including 8 buttons, one 3-element wheel, one 4-element slider, and one proximity sensor
- Wake-on-proximity operation with 5µA average current resulting low power consumption
- Demonstrates use of the CapTIvate™ Design Center Auto-Assign feature for automatic pin routing

Kit Contents

- 1 CAPTIVATE-BSWP development board

Block Diagram

Mouser Part Number(s)

CAPTIVATE-BSWP

To learn more, visit https://www.mouser.com/new/texas-instruments/ti-captivate-bswp-demo-board/#top-anchor