



SparkFun Capacitive Touch Slider - CAP1203 (Qwiic)

SEN-15344

Do you want to replace a slider or a button on your art project or science experiment with a more interesting interface? This Capacitive Touch Slider is a "Qwiic" and easy way to add capacitive touch to your next project. With the board's built in touch pads, you can immediately start playing with the touch capabilities as three unique touch inputs or as a slider. You can also enable a touch input to act as a power button, customize the sensitivity for your own touch pads, and play with the interrupt alert LED. Utilizing our Qwiic system, no soldering is required to connect it to the rest of your system. However, we have broken out 0.1"-spaced pins in case you prefer to use a breadboard or create your own touch pads.

On the front of the board, there is an arrow shape which contains three separate capacitive touch pads. We also broke out the capacitive touch sensor lines as plated through-holes on the top of the board. You can use these pins to connect to your own capacitive touch pads. The CS1 pin connects to the left pad, the CS2 pin connects to the middle pad, and the CS3 pin connects to the right pad.

The SparkFun Qwiic connect system is an ecosystem of I²C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong

FEATURES

Capacitive Touch

- 3 unique capacitive touch inputs

Features

- Emulated slider
- Power button setting
- Programmable sensitivity
- Automatic recalibration
- I²C Address: 0x28
- Qwiic Enabled

Operating Range

- Supply Voltage: 3.3V - 5V

