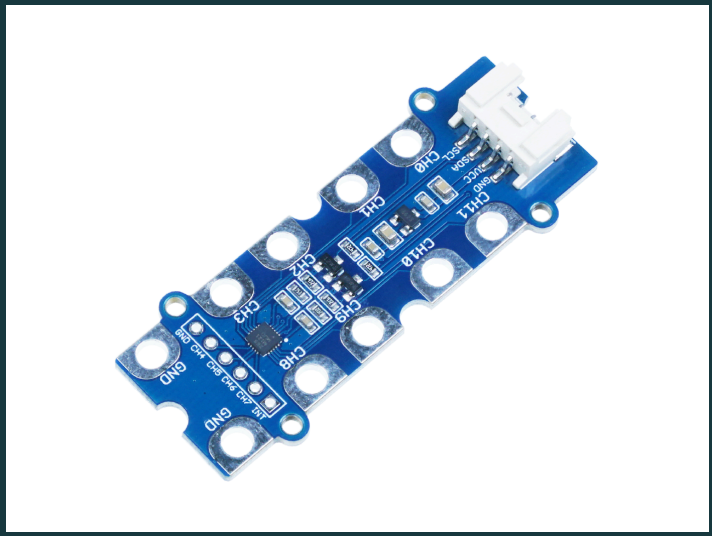
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INDUSTRIAL PRODUCT DATASHEET

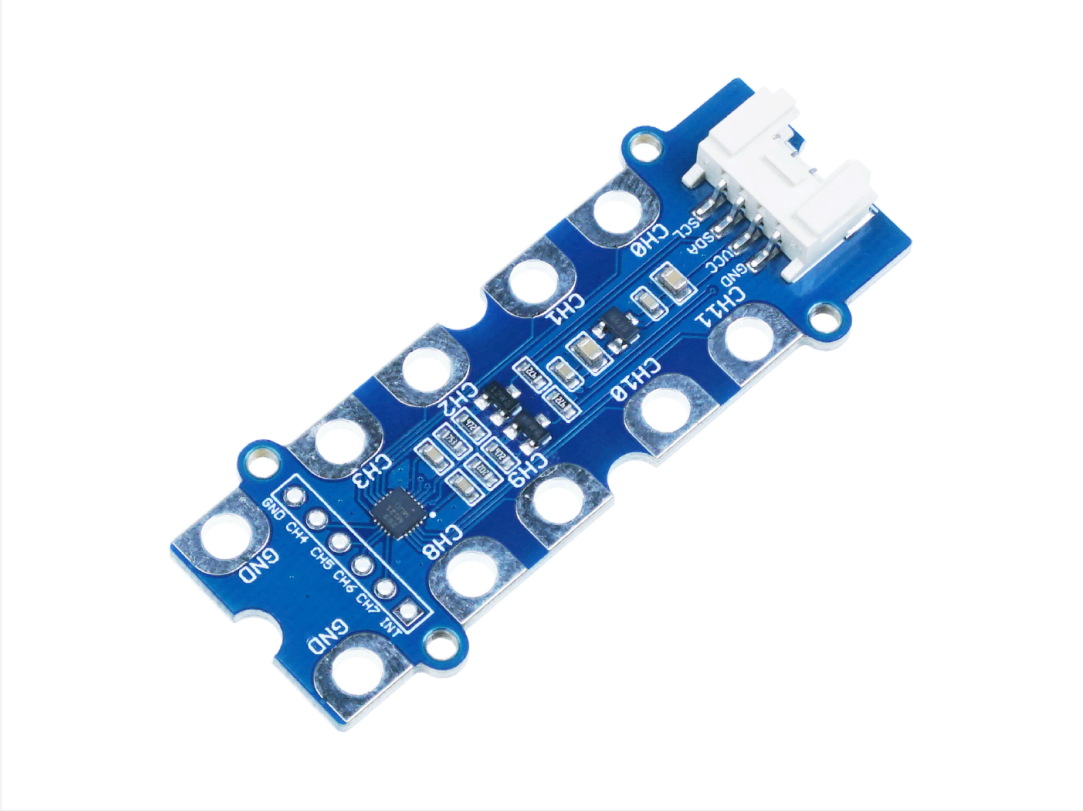
Grove - 12 Key Capacitive I2C Touch Sensor V3 (MPR121)

The Grove - 12 Key Capacitive I2C Touch Sensor V3 (MPR121) is a Grove-compatible 12-electrode capacitive touch sensor with I2C, IRQ, LED driving, and proximity sensing.

SKU	UPDATED	PRICE
101020872	2026-11-03 03:29:23	$7.60(Excl. VAT)



Overview



The Grove - 12 Key Capacitive I2C Touch Sensor V3 (MPR121) integrates capacitance sensing, touch sensing, and proximity sensing with independent autocalibration for each electrode input. It features a hardware configurable I2C address, IRQ interrupt output, 12 electrodes (8 multifunctional for LED driving and GPIO), additional GND pins, expanded pin gaps for safe handling, and a Grove compatible plug-and-play interface.

Key Features

01 **Powerful functions**

Integrated capacitance sensing, touch sensing and proximity sensing, and Integrated independent autocalibration for each electrode input

02 **Hardware configurable I2C address**

I2C interface, with IRQ, Interrupt output to advise electrode status changes

03 **Drive the LEDs**

12 electrodes/capacitance sensing inputs in which 8 are multifunctional for LED driving and GPIO

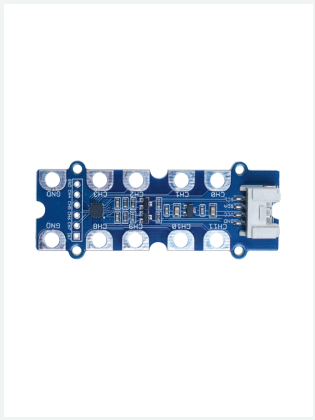
04 **Safe handling**

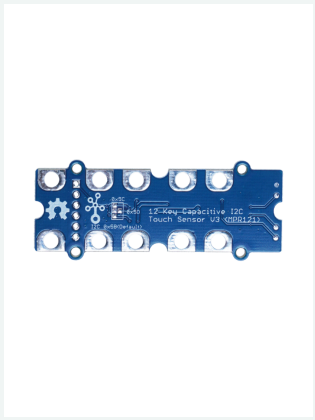
Add two more GND pin and expand the gap of pins for safe handling

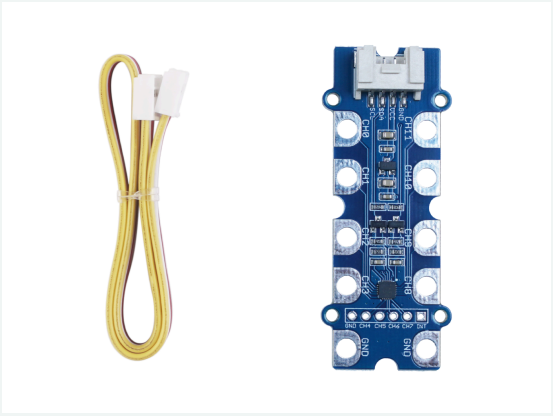
05 **Grove compatible interface**

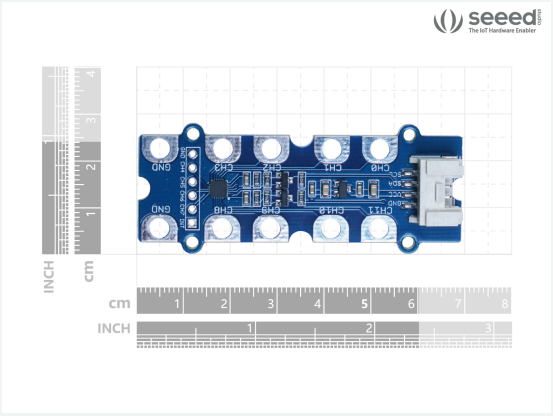
The product ensures "Plug and Play" and could be versatile for various applications of Grove

Product Gallery









Resource Links

- https://www.seeedstudio.com/Grove-12-Key-Capacitive-I2C-Touch-Sensor-V3-MPR121-p-4694.html
- MPR121_Datasheet

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