

INDUSTRIAL PRODUCT DATASHEET

Grove - Touch Sensor

Capacitive touch sensor module with fast/low power operation and adjustable sensitivity for button replacement and IoT applications.

SKU

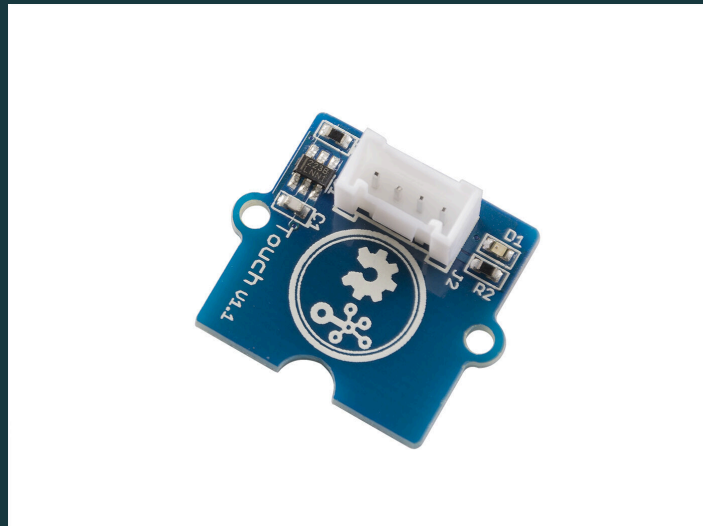
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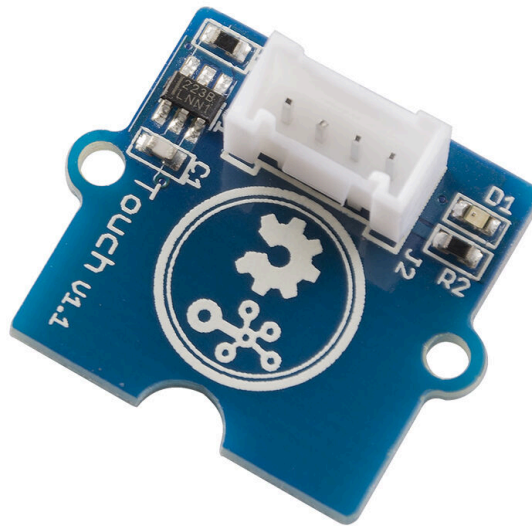
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PRICE

\$4.30(Excl. VAT)



Overview



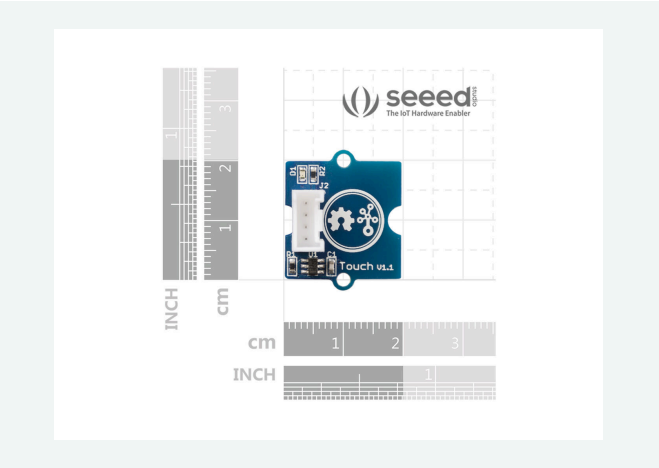
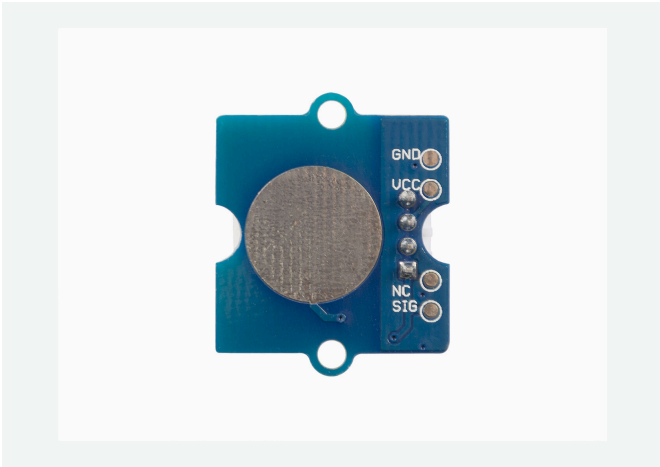
The Grove - Touch Sensor incorporates the TTP223 touch IC, offering Fast (max 60ms response) and Low Power (max 220ms) modes selectable via the LPMB pin. Sensitivity is adjustable from 0 to 50pF, and the Grove unified socket provides plug-and-play versatility for applications like inconspicuous buttons, waterproof electric products, and industrial control.

Key Features

Features

- **Fast and Low power mode selection:** The TTP223 has Fast mode and Low Power mode to be selected. When the LPMB pin is opened or connected to VDD, the TTP223 runs in Fast mode. When the LPMB pin is connected to VSS, the TTP223 runs in Low Power mode.
- **Rapid response:** Response time max about 60ms at fast mode, 220ms at low power mode
- **Highly customizable:** Sensitivity can adjust by the capacitance(0~50pF) outside
- **Grove unified socket:** The sensor ensures "Plug and Play" and could be versatile for various applications.

Product Gallery



Specification

Dimensions	60mm x60mm x11mm
Weight	G.W 8g
Operating Voltage	2.0 - 5.5V
Operating Current(Vcc=3V)	1.5 - 3.0μA
Operating Current(VDD=3V)	3.5 - 7.0μA
Output Response Time	60 - 220mS
Used Chipset	TTP223-BA6
Battery	Exclude

Applications

- Inconspicuous button
- Waterproofed electric product
- Button key replacement
- Remote Switch
- IoT device
- Industrial control

Part List

Grove - Touch Sensor	1
Grove Cable	1

Compliance & Logistics



HSCODE	9031900090
USHSCODE	9031808085
UPC	841454107491
EUHSCODE	9013101000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-Touch-Sensor.html>
- [Grove-Touch_Sensor Schematic](#)
- [TTP223](#)
- [CDC File](#)

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