



# Grove-Q Touch Sensor

SKU 101020069

The Q Touch Sensor is a high sensitivity and high noise immunity touch input device. It is based on Atmel AT42QT1070. The AT42QT1070 modulates its bursts in a spread-spectrum fashion in order to heavily suppress the effects of external noise, and to suppress RF emissions. The QT1070 uses a dual-pulse method of acquisition. This provides greater noise immunity and eliminates the need for external sampling capacitors, allowing touch sensing using a single pin.

## Specification

- Operating Voltage: 3 ~ 5.5V
- Operating Current @3.3V: 1mA
- Touch Keys: 7 Keys ; key0 ,key1 ,key2 are on the Grove PCB bottom side
- Communicating Protocol: I2C
- I2C Address: 0x1

### Technical details

Dimensions	140mm x85mm x10.8mm
Weight	G.W 10g
Battery	Exclude

### Part List

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### ECCN/HTS

ECCN	EAR99
HSCODE	9031900090
USHSCODE	90230000
UPC	841454107187
ROHS	1

