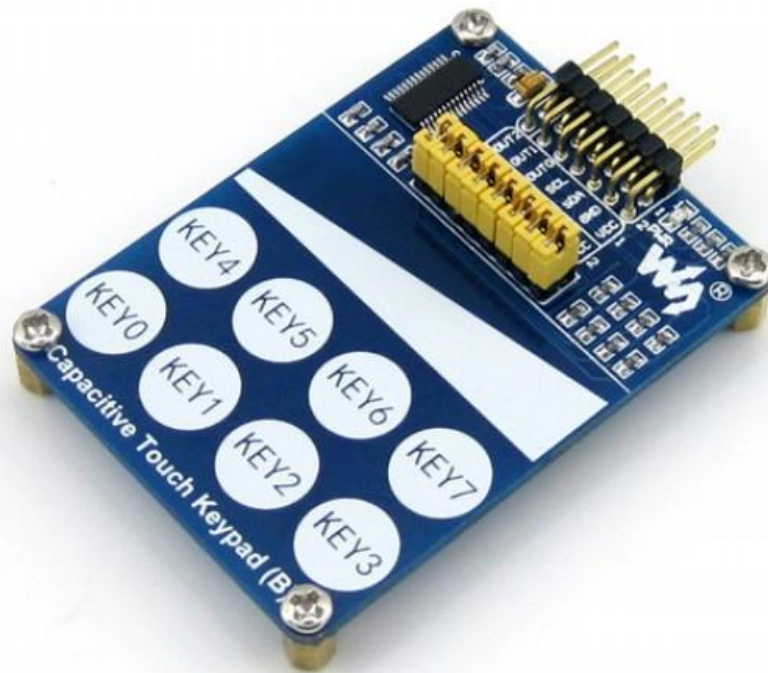


Capacitive Touch Keypad (B)



8 touchkeys and 1 linear touch sensor

Features

- Onboard 8 capacitive touchkeys and 1 linear capacitive touch sensor
- Features TONTEK TonTouch touch pad detector IC TTP229-LSF, supports up to 16 keys with adjustable sensitivity and built-in LDO
- The system re-calibrates automatically when all keys are not detected touch more than about 4 seconds
- Configurable functions:
 - 8 keys OR 16 keys option
 - 8 separate outputs OR serial output
 - single-key OR multi-key feature
 - Sampling rate and sampling length at sleep mode
 - Maximum key-on time

Specifications

- Interface : I2C OR I/Os
- Keys : 8/16
- Sampling rate : 8Hz/64Hz
- Human Body Mode : 6KV
- Operating voltage : 2.4V-5.5V
- Operating temperature : -40°C to +85°C
- Storage temperature : -50°C to +125°C
- Dimensions : 4.7CM × 6.8CM
- Mounting holes size : 3 × 3MM

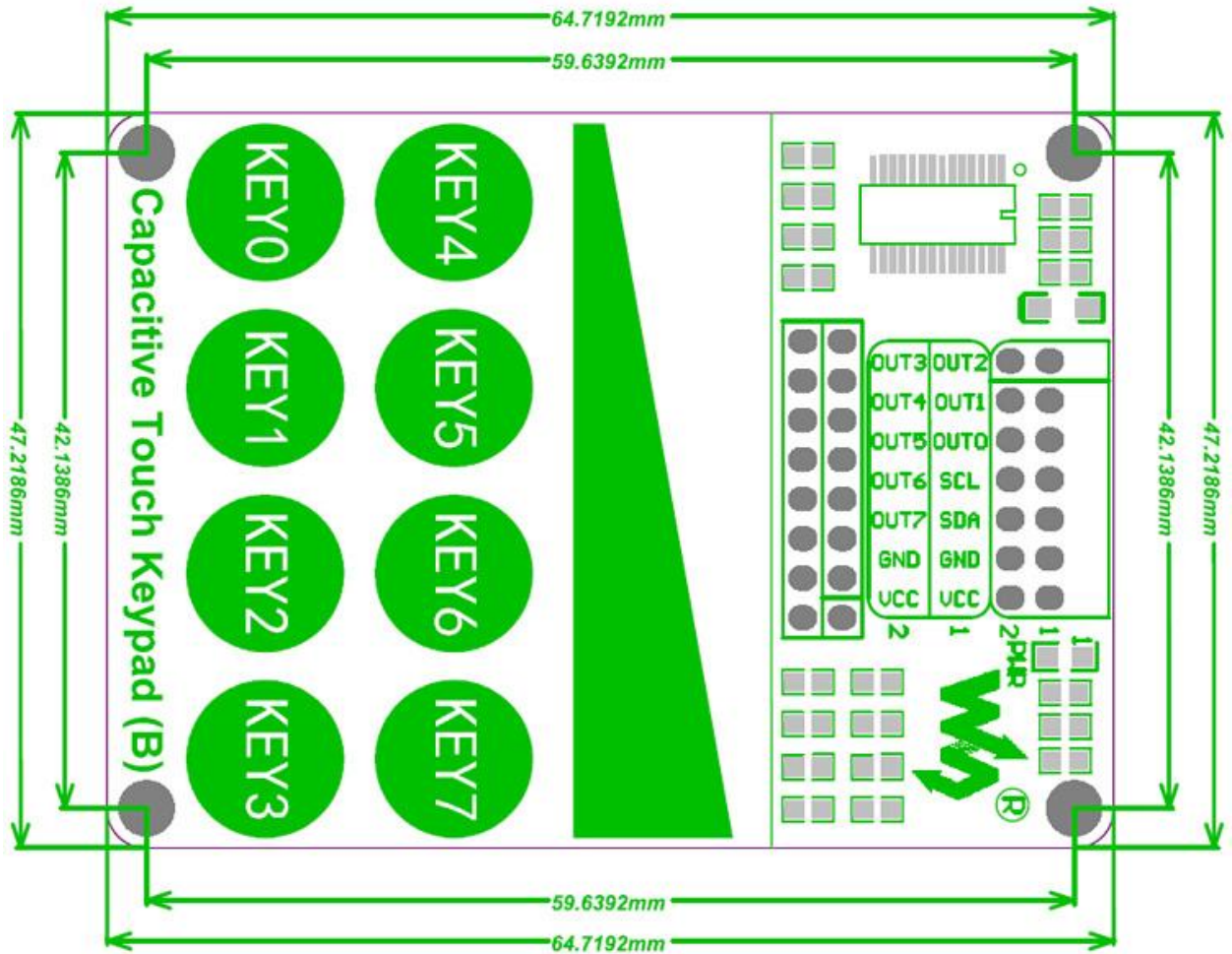
How to Use

- After power-on have about 0.5sec stable-time. During the time do not touch the key pad, and all functions are disabled
- 16 keys mode : short all the onboard jumpers, output via serial port, and the linear touch sensor is enabled
- 8 keys mode : short the SLWPTM and WPSCT, open all the other jumpers, output via OUT0-OUT7

Applications

- Consumer Products
- Mechanical Switch/Button Replacement

Dimensions



Downloads

Development resources: demo codes, schematic, datasheets, etc.

Wiki: [www.waveshare.com/wiki/Capacitive_Touch_Keypad_\(B\)](http://www.waveshare.com/wiki/Capacitive_Touch_Keypad_(B))