Touch Key Module

Description

Innovati's Touch Key module uses HT-BS801C Touch Key IC which can detect human body contact using external touch pads.
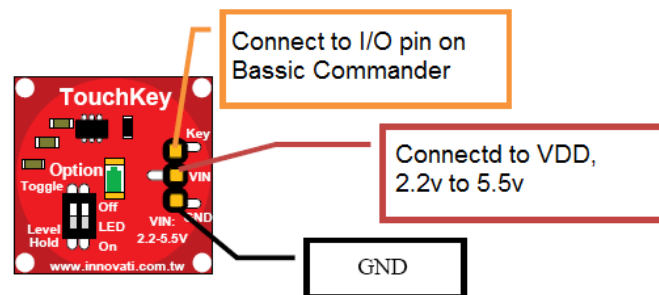
Application

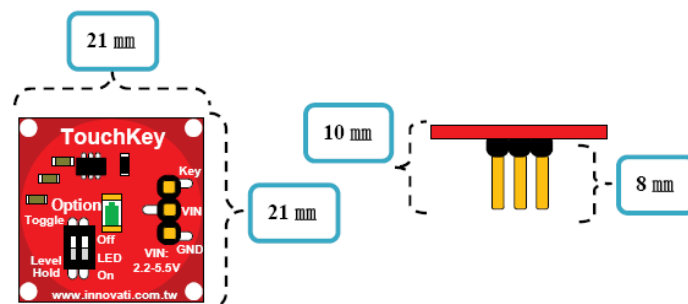- Keyless application
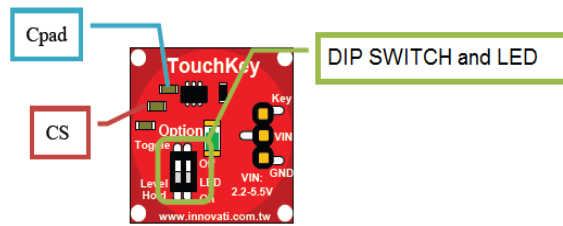- Replace any application with push button

Features

- Support Toggle and Level Hold mode
- Can change touch panel material (must change the capacitor)

Connection

Specification:

(if DIP Switch is on the bottom, it is set to 0, otherwise it is set to 1)

DIP Switch Position	Touch Key Status	LED	I/O
00	Trigger	On	Low
	Not trigger	Off	High
01	Trigger	Off	Low
	Not Trigger	Off	High
10	Trigger	Change status	Change Output
	Not Trigger	Hold Status	Keep Output
11	Trigger	Off	Change Output
	Not Trigger	Off	Keep Output

Example Code:

```
Dim bTouchStatus as byte

Sub Main()
  Low 0 'set Pin 0 as low for ground
  High 1 'set Pin 1 as high, for VDD
  Debug CSRXY(1,1), "Touch Key Status : "
  Do
    bTouchStatus = In(2) 'get Touch Key status and save in TouchStatus。
    Debug CSRXY(20,1),bTouchStatus
  Loop
End Sub
```

Technical Specification:

Operating temperature: -40C ~85C
Storage temperature: -50C ~ 125C
If you need to change the touch panel, you can adjust the Cpad and CS capacitance.
Cpad: reduce the sensitivity within 0~50pF
CS: increase the sensitivity within 0~10pF

For more information, see http://www.holtek.com.tw/touchkey