

Touch Button

-A tiny Touch Button

Overview



Touch button is designed for replacing traditional direct button key with diverse pad size. Low power consumption and wide operating voltage are the contact key features for many applications.

Basic features

- Tiny
- Programmed Output
- Compatible software with 3.3V/5V operation voltage.
- Sensitivity can adjust by the capacitance outside
- Stable touching detection of human body for replacing traditional direct switch key

Specifications

PCB size	33.15mm X 20.43mm X 1.6mm
Power supply	5/3.3V DC
Indicators	-
RoSH	Yes

Electrical Characteristics

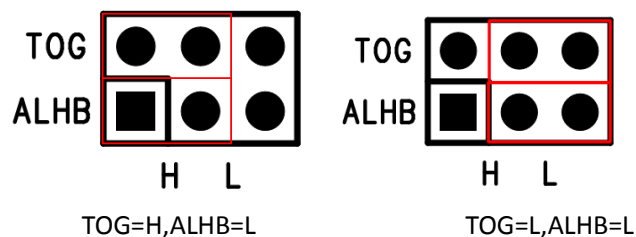
Specification	Min	Type	Max	Unit
Power Voltage	2.0	-	5.5	VDC
Output Voltage VH:	3	3.3	3.6	V
Output Voltage VL:	-0.3	0	0.5	V
Current Consumption	-	3	7.5	uA

Output Setting Jumper

The Touch button has direct mode active high or low by AHLB pad option. And has toggle mode by TOG pad option.

TOG	AHLB	Output features
0	0	Direct mode, CMOS active high output
0	1	Direct mode, CMOS active low output
1	0	Toggle mode, Power on status is low
1	1	Toggle mode, Power on status is high

Example figure



Revision History

Rev.	Description	Release date
v1.0	Initial version	2011-1-21