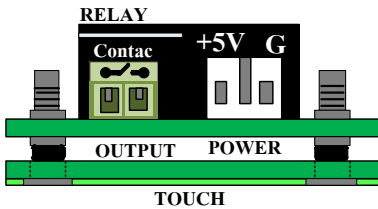


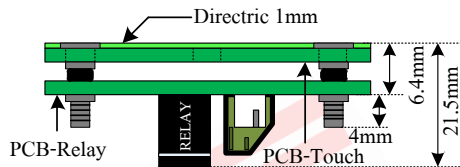


SPECIFICATIONS of ET-TOUCH PAD1 Relay (Toggle)

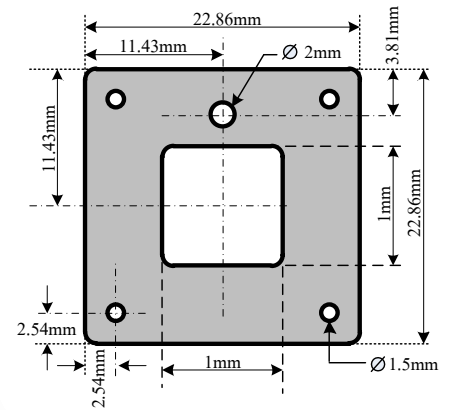
- Be 1-Capacitive Sensing Touch Key with LED to display state of touching and use 5V Power Supply
- Use CHIP IQS127D as Sensor to detect Capacitive from touching
- Key Touch Pad that is made from plastic normally should be 1mm. thick (it is adjustable, depending on humidity in the air).
- This OUTPUT is Contact Relay Type that supports 5A Current at 30VDC and 250VAC. It operates in the format of Toggle; when it is touched each time, the state of this Contact Relay always changes to the contrary that is different from the recent state (it looks like Switch Push-Close,Push-Open).
- While the Module is in the state of Release, it consumes 0.64mA; while it is in the state of Touch, it consumes 43mA approximately; it is measured at 5V and Output No-Load.



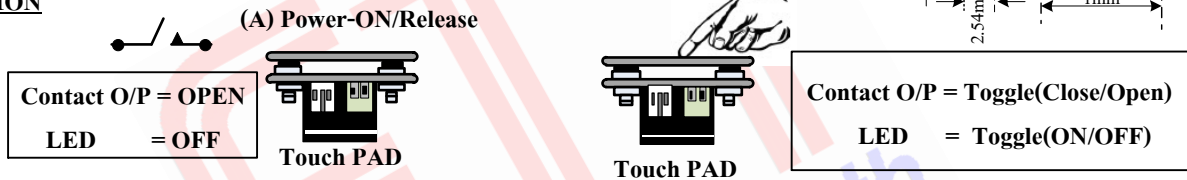
Feature of Connector for use



Dimensions of PCB LAOUT



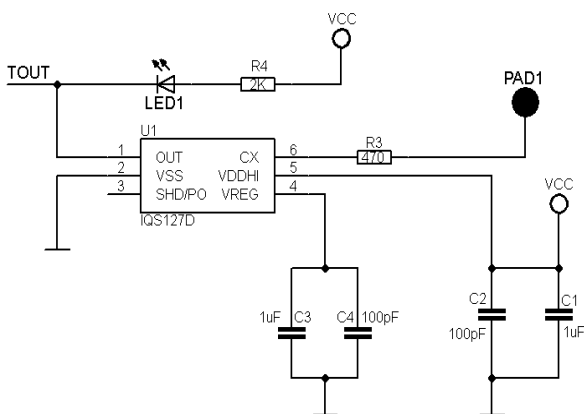
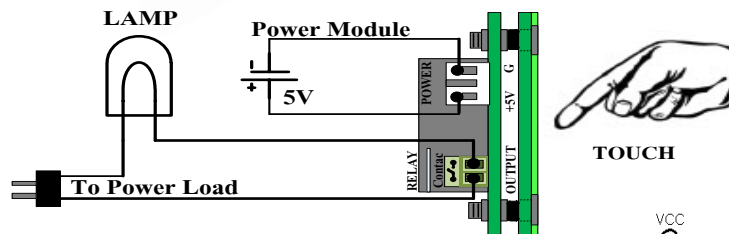
OPERATION



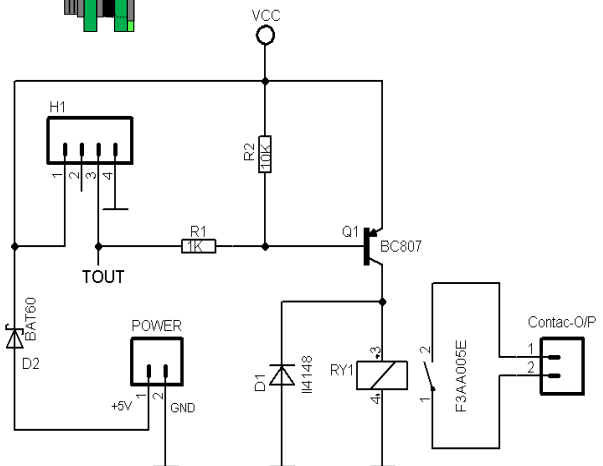
- **State of Power-ON/Release:** It is the beginning state of supplying power and it hasn't touched anything yet; so, the state at Contact O/P is Open and LED-OFF as shown in (A).
- **State of Touch:** State of Touch Pad is touched by finger or it might not be touched yet but finger almost approaches the Touch Pad, the Contact O/P and LED that shows state of touching on the Touch PAD will be changed to the contrary that is different from the recent state as shown in (B).

In summary, the operation of Contact Output and LED alternates between Push-Button Switch and Toggle according to touching each time.

Example of Interface



Circuit PCB-TOUCH PAD



Circuit PCB-RELAY