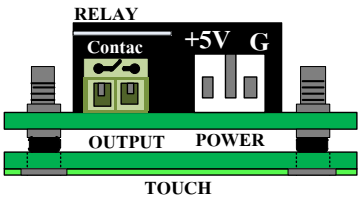
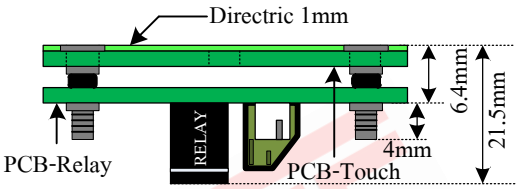
Specifications of ET-TOUCH PAD1 Relay (Active)

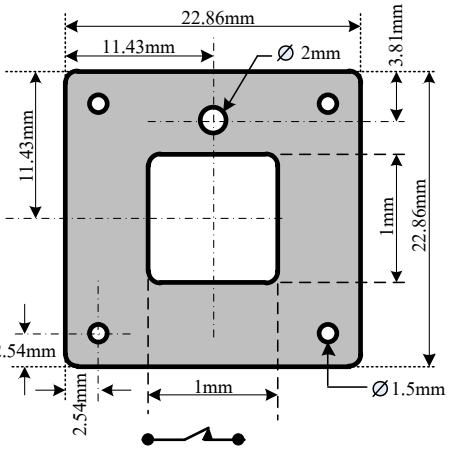
- Be 1-Capacitive Sensing Touch Key with LED to display state of touching and use 5V Power Supply
- Use Chip IQS127D as Sensor to detect Capacitive from touching
- Key Touch Pad that is made from plastic normally should be 1mm. thick (it is adjustable, depending on humidity in the air).
- OUTPUT is Contac Relay that supports 5A Current at 30 VDC and 250 VAC. If there is no any Touch, the Contact is Open; but, if it is touched, the Contact is Close (it looks like Switch Push-Close , Release-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



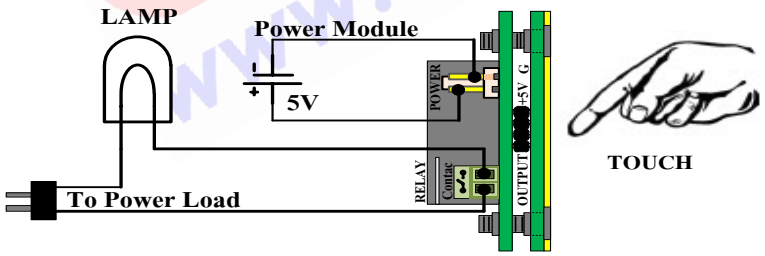
Dimensions of PCB LAOUT

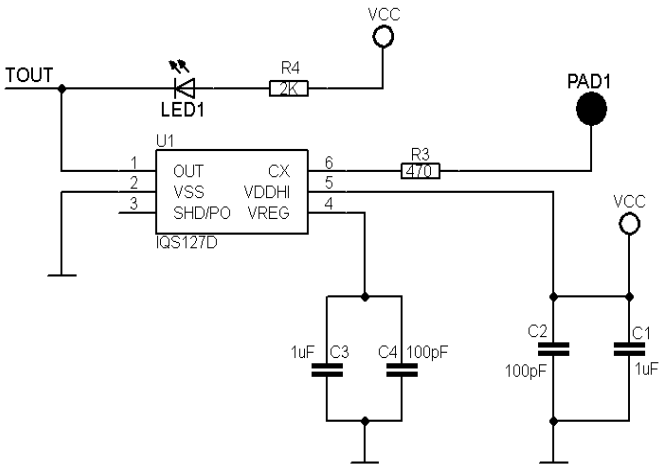


OPERATION

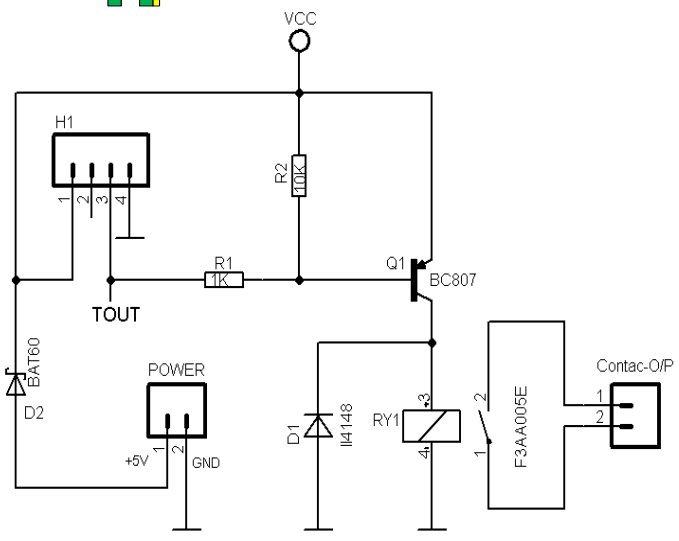
- **State of Release:** It is the normal state when it does not touch any Touch Pad; Key at Contac O/P is Open as shown in the figure (A).
- **State of Touch:** This state of Touch Pad is touched by finger or it might not be touched yet but finger almost approaches the Touch Pad, the Contac O/P is Close as shown in the figure (B) and LED that shows state of touching on Touch PAD is lit up (ON).

Example of Connection





Circuit PCB-TOUCH PAD



Circuit PCB-RELAY