

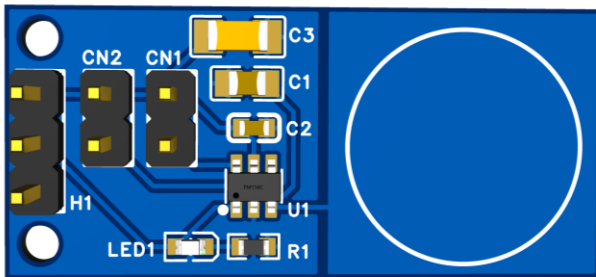
TTP223 touch sensor

Overall

This is a copper touchpad sensor that can detect the user's fingers using capacitive touch, allowing the module to send signals to your microcontroller. Being a prototyping-focused sensor, the touchpad dimensions can be changed.

The purpose is to provide a touch button that can be pressed without force, making your projects sophisticated, accessible, and practical.

3D Digital render of the sensor:



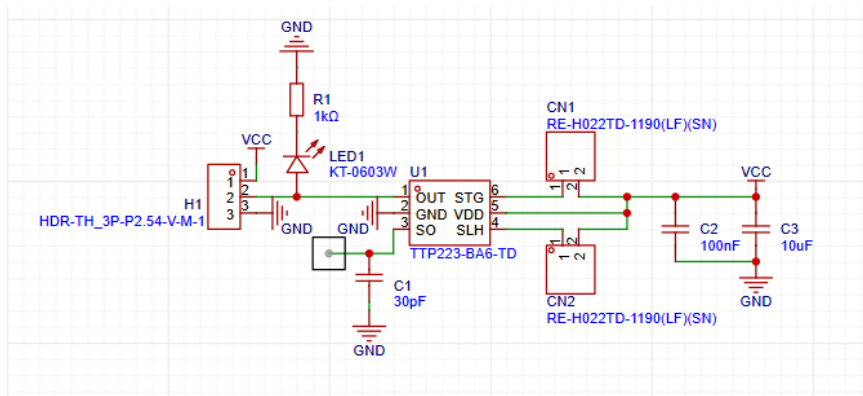
Specifications:

- **Voltage:** works between 2.0V and 5.5V (maximum)

Used components:

- 1× 3-pin header
- 2× 2-pin headers
- 1× 30 pF capacitor
- 1× 100 nF capacitor
- 1× 10 μ F capacitor
- 1× Red LED
- 1× 1k Ω resistor
- 1× TTP223

Schematic



Pin configuration

1. **VCC:** 2V to 5.5V
2. **OUT:** Low/High output
3. **GND:** Ground