Bare Conductive Printed Sensor

SEN0437

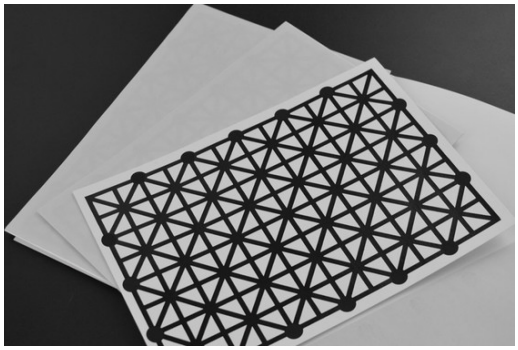
Product Overview

10-28-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot Bare Conductive Printed Sensors are flexible paper sensors that have been screen printed using electric paint. These sensors are ideal for quick testing, modifying, and integrating touch and proximity sensors. The bare conductive printed sensors are sealed with a waterproof varnish to protect from humidity and smudging. They have 16 exposed access nodes that allow for easy connection to capacitive electrodes.

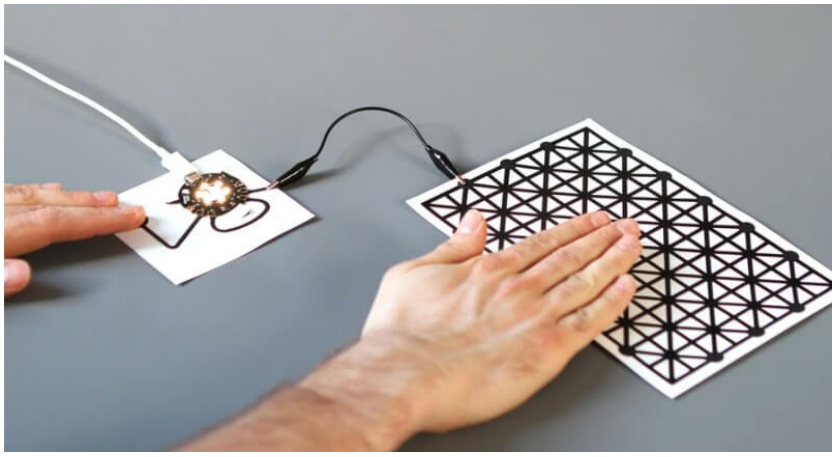


Features

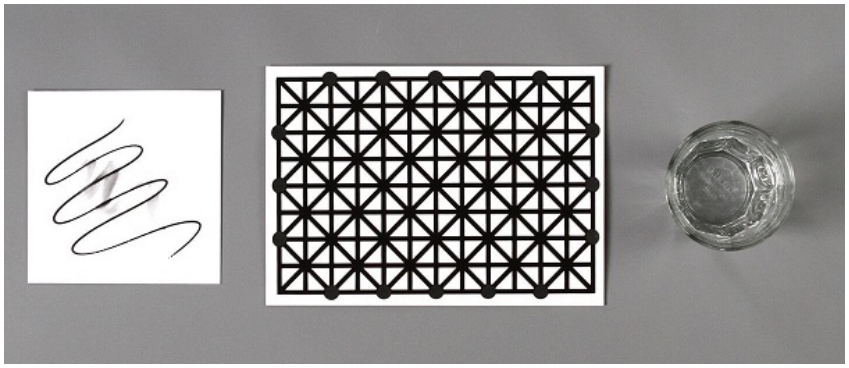
- Conducting, folding, and cutting
- Moisture-proof and dirt-resistant

5 ways to use the Printed Sensor

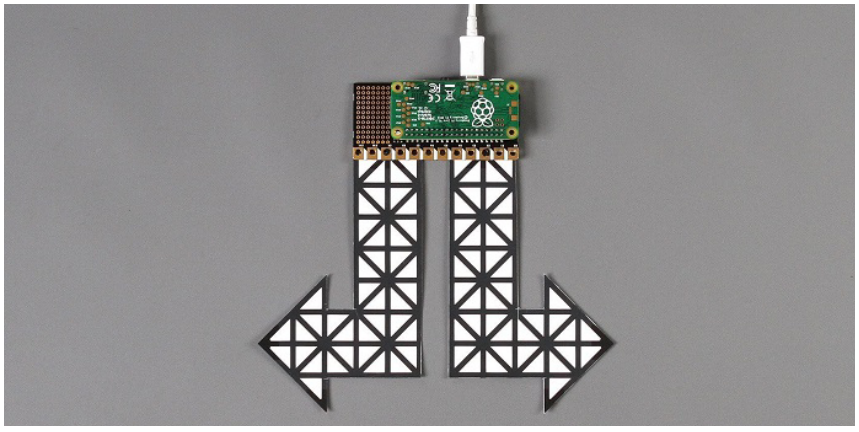
Proximity Sensors: The pattern of the printed sensors is ideal for proximity sensing projects using the Touch Board, Pi Cap, or Light Up Board. The user can connect the printed sensors to a board with crocodile clips or cold soldering through one of the exposed 16 access nodes. This feature allows the user to build proximity prototypes quickly and approach the sensors to change the light of an LED or adjust the volume.



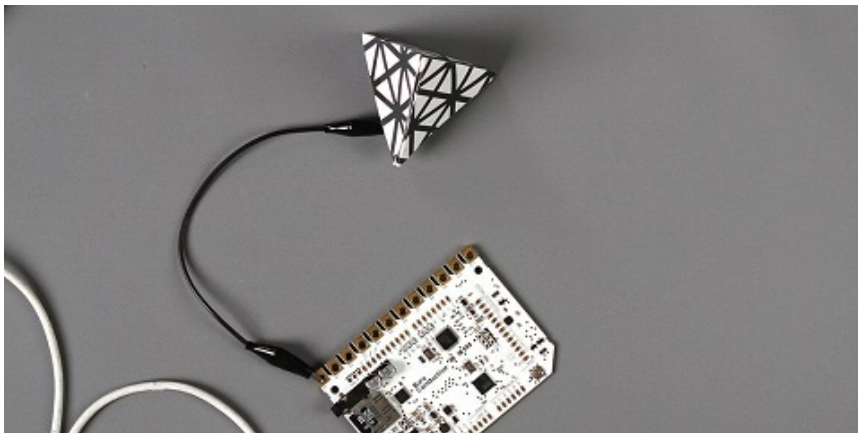
Durable Touch Sensors: The printed sensors can be used as touch sensors. Because the sensors are sealed, they are resistant to smudging and water.



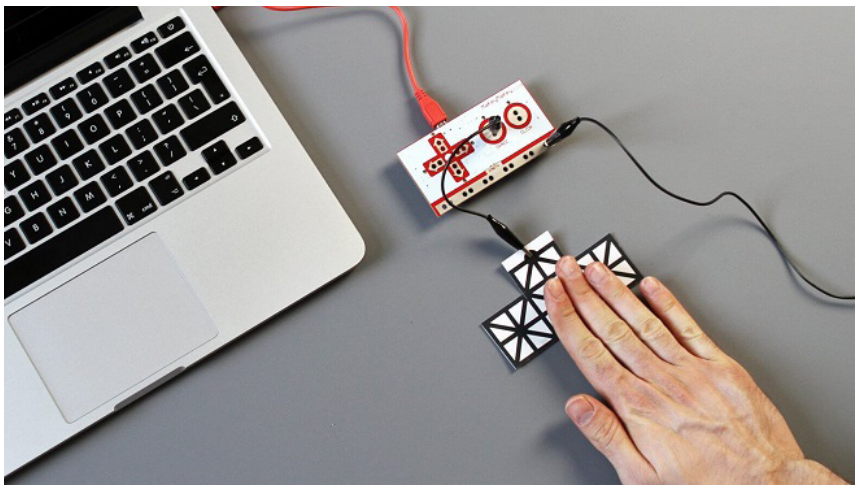
Design Custom Sensors: The printed sensors feature 16 exposed nodes that can connect to various boards. That means a single printed sensor sheet can be cut into 16+ individual small sensors, depending on their size. This is ideal when small or custom sized sensors are needed for boards.



Flexibility: The seal on the printed sensors allows the user to bend the paper as needed. When the user previously tried to bend the electric paint, chances are it might have cracked. But with the printed sensors, the user can now create 3D shapes, like small pyramids or cubes.



Compatibility: The user can connect the sensors to any other device that uses the conductive sensor. For example, the user can connect the sensors to a Makey Makey board. The user can cut out arrows or a cursor from the sensors and connect them to the Makey Makey with crocodile clips.



Mouser Part Number

View Part

To learn more, visit
https://www.mouser.com/new/dfrobot/dfrobot-sen0437-bare-conductive-printed-sensor/