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LilyPad Reed Switch

DEV-13343 ROHS

DESCRIPTION DOCUMENTS

The LilyPad Reed Switch is a simple breakout for a reed switch that will make it easy to use in e-textiles circuits in exactly the same manner that you can currently use the LilyPad Button and Switch. In order to make it more durable for wearable use, we've used a different style of reed switch, which is insulated. This means that the same glass switch is encased in black plastic, making it much more difficult to break, but it works in exactly the same manner.

A reed switch is a simple mechanical switch that is activated via a magnet. When the device is exposed to a magnetic field, the two ferrous materials (reeds) inside the switch pull together, and the switch closes. When the magnetic field is removed, the reeds separate and the switch opens. This makes for a great non-contact switch that can carry up to 1A and 0.25A while switched.

Note: A portion of this sale is given back to Dr. Leah Buechley for continued development and education of e-textiles.

Tags

LILYPAD

LilyPad Reed Switch Product Help and Resources

TUTORIALS SKILLS NEEDED

LilyPad Reed Switch Hookup Guide
NOVEMBER 5, 2015

A guide to using the LilyPad Reed Switch breakout in your projects.

Reed Switch Hookup Guide
MAY 5, 2016

Magnetically-actuated reed switches are the perfect component for non-contact proximity sensors. This tutorial provides a quick overview and example hook up.

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In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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