Surface Mount Navigation Switch

COM-08184 ROHS ✓

DESCRIPTION   DOCUMENTS

Surface mount 3-way switch. These switches are commonly found on handheld devices like MP3 players. This switch allows the user to navigate using up and down selections then select by pressing the plastic piece inwards. Capable of swtiching up to 1.2VA (360mA at 3.3V and 240mA at 5V).

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3D Download: Sketchup, STL, IGES, STEP, Blender, Solidworks

Surface Mount Navigation Switch Product Help and Resources

SKILLS NEEDED

Core Skill: Soldering

This skill defines how difficult the soldering is on a particular product. It might be a couple simple solder joints, or require special reflow tools.

Skill Level: Competent - You will encounter surface mount components and basic SMD soldering techniques are required.
See all skill levels

Core Skill: Electrical Prototyping

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

Skill Level: Competent - You will be required to reference a datasheet or schematic to know how to use a component. Your knowledge of a datasheet will only require basic features like power requirements, pinouts, or communications type. Also, you may need a power supply that?s greater than 12V or more than 1A worth of current.
See all skill levels

COMMENTS 10   REVIEWS 0

Customer Comments

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CMoyni24 / about 11 months ago / ★ 1

Is there a breakout board available for this? It says there is in the description but I can't find it.

Roboteernat / about 9 years ago / ★ 2

Hi, I ordered some of these, is there any possibility of getting a clearer pdf available for download, as I need to generate a package for this item. I'm not using eagle unfortunately.
Nat

Roboteernat / about 9 years ago / ★ 3

No worries - the original manufacturer - Onshine enterprise company have it for download -
http://php2.twinner.com.tw/files/onshine/LEVER.pdf
nat

Member #358521 / about 3 years ago / ★ 1

This datasheet is practically unusable. Can someone pro remake it more clearly? Why does the PCB Landing sound like what I need to use to model the PCB footprint but the SMD REFLOW PATTERN is actually the footprint? Horrible datasheet :/

Kamiquasi / about 3 years ago / ★ 1

I agree that it's not the most clear datasheet, but I think most of your confusion stems from what appears to be multiple parts described in the same document, using different terms.

The one on page 3 has the wrong pin count, so can ignore that one.
The one on page 2 looks like it has the wrong physical rocker assembly, but let's not discard it yet.
The one on page 1 looks like a more appropriate match.

Though if you check the numbers, both the devices on page 1 and page 2 actually use the same PCB pattern, so it wouldn't matter which one you'd pick.

Then again, unless you're doing so as an exercise, you shouldn't have to model it anyway - comments further below from 4 years ago suggest that it's already in the SparkFun Eagle library under "NAV_SWITCH". A quick search through the files points me to SparkFun-Electromechanical.lbr . Opening that and locating the part gives me this grumpy looking fella: imgur.com/uuraW12

RyeMAC3 / about 5 years ago / ★ 1

Here's how to hook it up to an Arduino...check out my tutorial and sketch

Mark122912 / about 11 months ago / ★ 1

Any chance you have an updated link for this? I tried looking through your site (fantastic by the way!) but didn't see it.

Jason2 / about 8 years ago / ★ 1

SFE Eagle Library has this part!... do you guys have a naming standard? I know it isnt hard to find parts from here on eagle lib but its a hassle when the name doesnt match...

Brett Jones / about 7 years ago / ★ 3

It's called "NAV_SWITCH"

bear07 / about 7 years ago / ★ 1

What jason said.. has anyone figured this out?

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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