



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



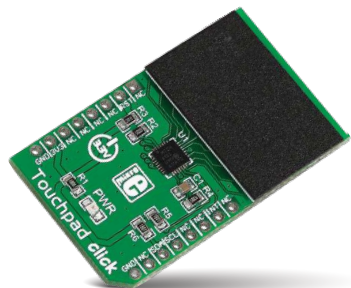
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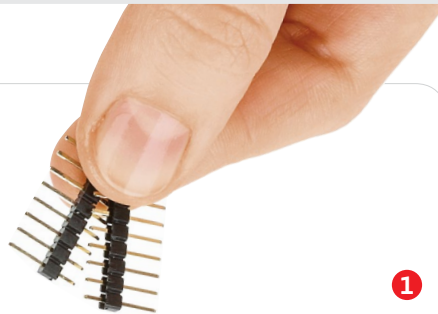




Touchpad click

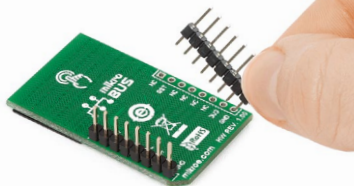
2. Soldering the headers

Before using your click board™, make sure to solder 1x8 male headers to both left and right side of the board. Two 1x8 male headers are included with the board in the package.



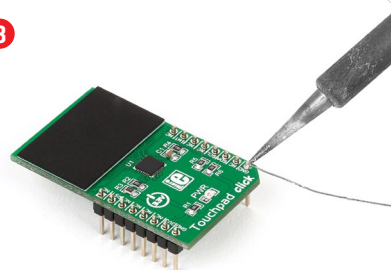
1

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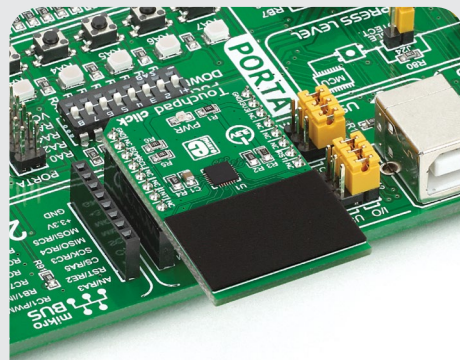


Turn the board upside down so that the bottom side is facing you upwards. Place shorter pins of the header into the appropriate soldering pads.

3



Turn the board upward again. Make sure to align the headers so that they are perpendicular to the board, then solder the pins carefully.

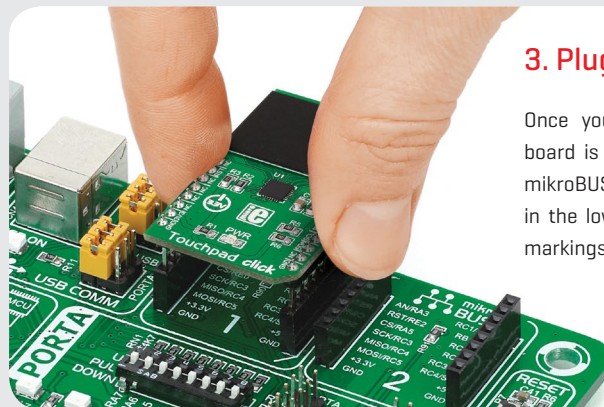


4. Essential features

The MTCH6102 device supports taps, doubletaps, swipes and scrolling gestures. The small capacitive surface is optimized for single-finger applications. The sensor outputs 12-bit resolution coordinate data [the I2C interface supports up to 400 kbps transfer rates]. MTCH6102 also incorporates power-saving features, such as a configurable frame rate for sleep/idle modes, as well as a separate standby and active mode.

1. Introduction

Touchpad click is a capacitive touch input device driven by Microchip's low-powered **MTCH6102 controller**. The touchpad surface is covered with a sheet of black plastic to demonstrate the chip's support for cover layers [up to 3mm for plastic, 5mm for glass] Touchpad click communicates with the target MCU through the mikroBUS™ I2C interface [SCL and SDA pins], with additional functionality provided by the Interrupt and RSTL pins. Designed to use a 3.3V power supply.



3. Plugging the board in

Once you have soldered the headers your board is ready to be placed into the desired mikroBUS™ socket. Make sure to align the cut in the lower-right part of the board with the markings on the silkscreen at the mikroBUS™ socket. If all the pins are aligned correctly, push the board all the way into the socket.



Touchpad click Manual v100



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