



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!



Contact us

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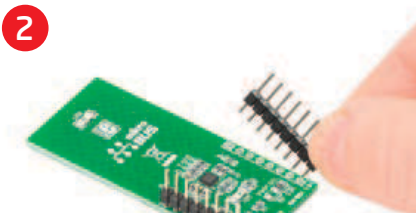
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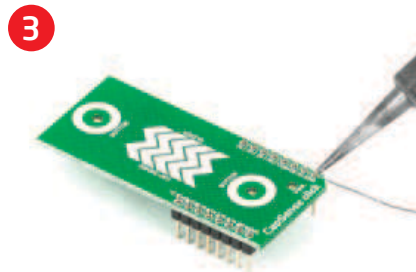


2. Soldering the headers

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.

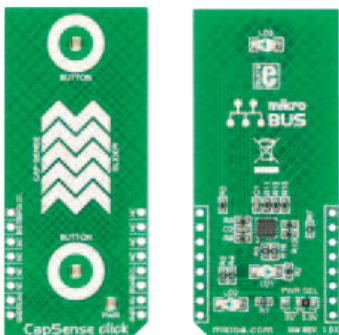


Turn the board upside down so that bottom side is facing you upwards. Place shorter pins of the header into the appropriate soldering pads.

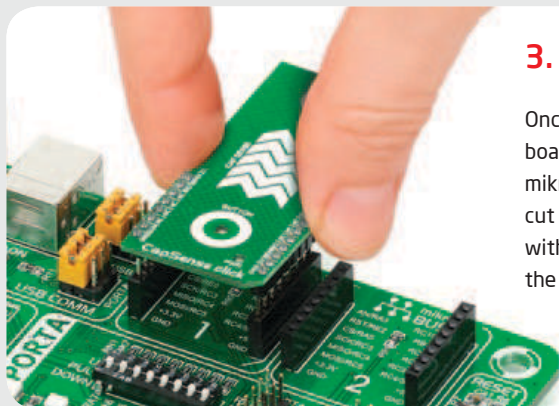


Turn the board upward again. Make sure to align the headers so that they are perpendicular to the board, then solder the pins carefully.

1. Introduction

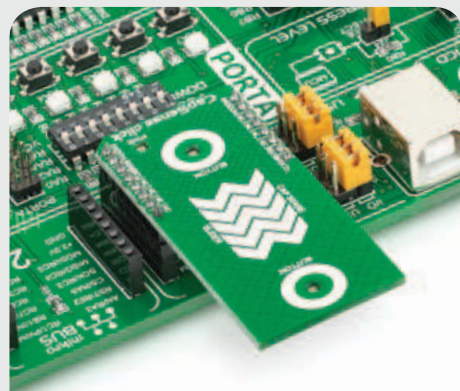


CapSense click™ is an accessory board in mikroBUS™ form factor. It's a compact and easy solution for adding capacitive sensing elements to your design. It features **CY8C201A0** capacitive controller and capacitive sensing elements. CapSense click™ communicates with the target board microcontroller via mikroBUS™ I2C (SDA, SCL), AN and RST lines. The board is designed to use 3.3 V or 5 V power supply. LED diode (GREEN) indicates the presence of power supply.



3. Plugging the board in

Once you have soldered the headers your board is ready to be placed into 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 of the pins are aligned correctly, push the board all the way into the socket.



4. Essential features

CapSense click™ with its **CY8C201A0** IC is a capacitive sensing module that takes human body capacitance as an input and directly provides the real time sensor information via I²C output. The board contains capacitive sensing elements (5-segment slider and two buttons) as well as two LEDs. The **CY8C201A0** has high immunity against radiated and conductive noise.

click™
BOARD
www.mikroe.com

CapSense click Manual
ver. 1.00



