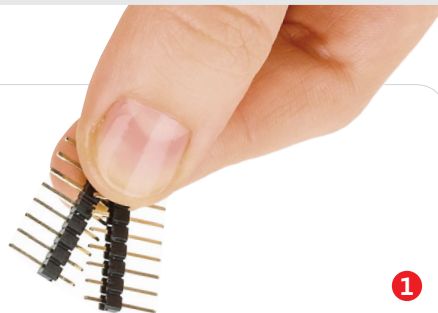


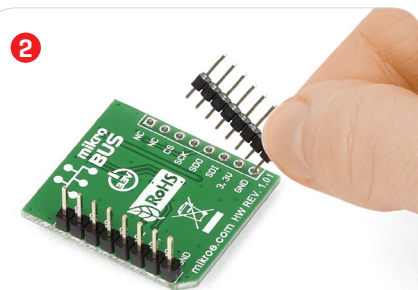
## Pressure 2 click™

### 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.

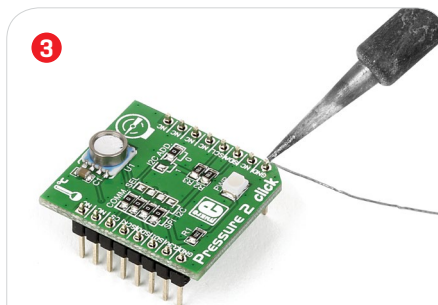


1



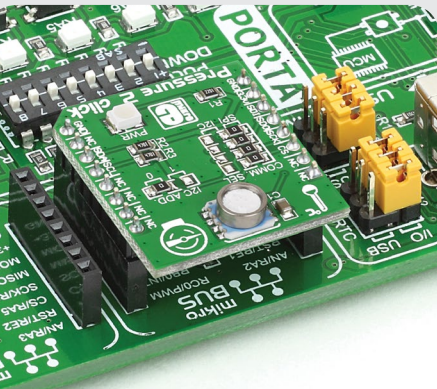
Turn the board upside down so that the bottom side is facing you upwards. Place shorter pins of the header into the appropriate soldering pads.

2



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

3

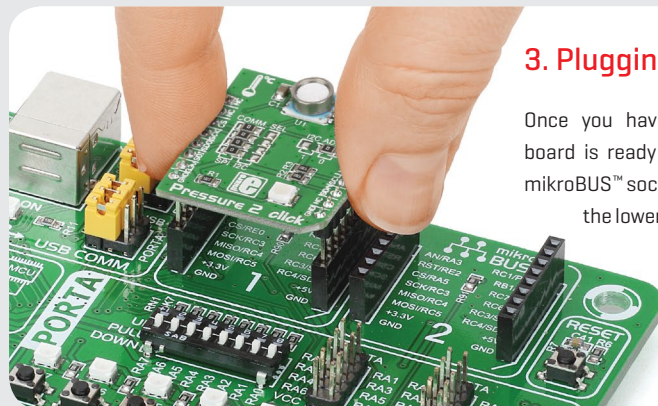


### 4. Essential features

The MS5803-14BA is both precise and robust. The measurement resolution is up to 0.2 mbars, but an antimagnetic stainless steel cap enclosure allows it to withstand up to 30 bars of pressure [more than twice the maximum measurement range]. Therefore, *Pressure 2 click™* is ideal for developing mobile pressure measurement systems, such as for adventure watches, diving computers and similar devices.

### 1. Introduction

*Pressure 2 click™* carries **MS5803-14BA**, a **high resolution MEMS pressure sensor** with an **operating range from 0 to 14 bars**. The module comprises a high linear pressure sensor and an ultra low power 24 bit ADC. It is optimized for depth measurement systems with a water depth resolution of 1cm and below. *Pressure 2 click™* communicates with the target board MCU either through **mikroBUS™ SPI** [CS, SCK, SDO, SDI] or **I<sup>2</sup>C** lines [SCL, SDA]. The board is designed to use a 3.3V power supply only.



### 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.

**click™**  
BOARD

[www.mikroe.com](http://www.mikroe.com)

Pressure 2 click™ manual  
ver 1.01



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