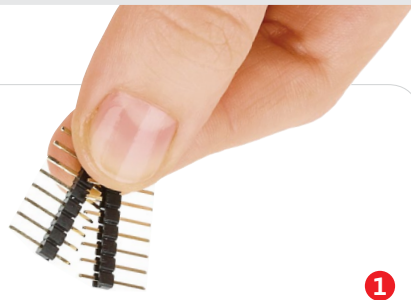




## GSM3 click™

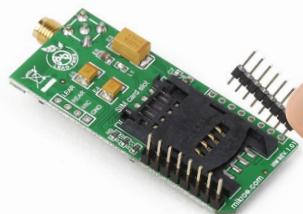
### 2. Soldering the headers

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.



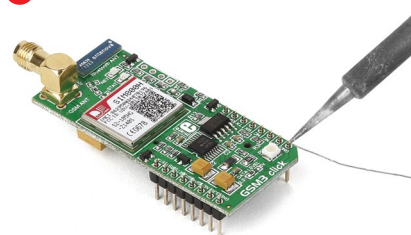
1

2



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



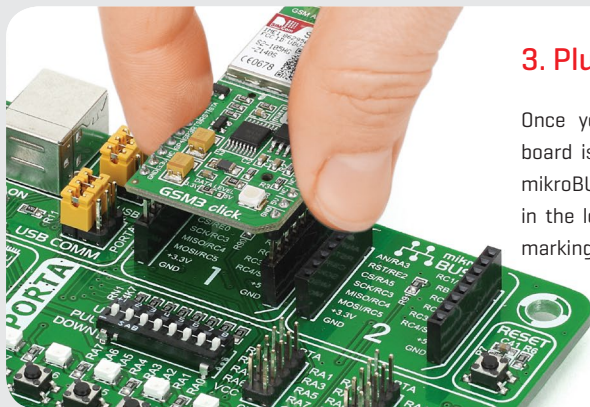
Turn the board upward again. Make sure to align the headers so that they are perpendicular to the board, then solder the pins carefully.

### 4. Essential features

The underside of GSM3 click™ holds the **SIM card slot**. Aside from that the click™ has the following additional features: **audio input/output connection pad** [for microphone and earphones, can also be used as an FM antenna]. The STM800H module supports **Bluetooth** so the click™ has an active **2.4GHz antenna**. A **connector for an external GSM antenna is also provided**. Two **indication LEDs signal** the operating and network status of the module.

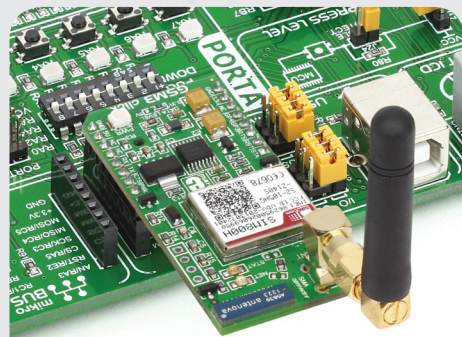
### 1. Introduction

GSM3 click™ carries **SIM800H**, a quad-band **[850 / 900 / 1800 / 1900MHz]** GSM/GPRS module that transmits voice, sms and data information. The board communicates with the target board MCU through the following mikroBUS™ lines: Tx and Rx [UART], RST [reset], STA [status indicator], RTS, PWK [PWRKEY, used to power on/down the module] and CTS. GSM3 click™ is designed to use 3.3V and 5V I/O voltage levels.



### 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.

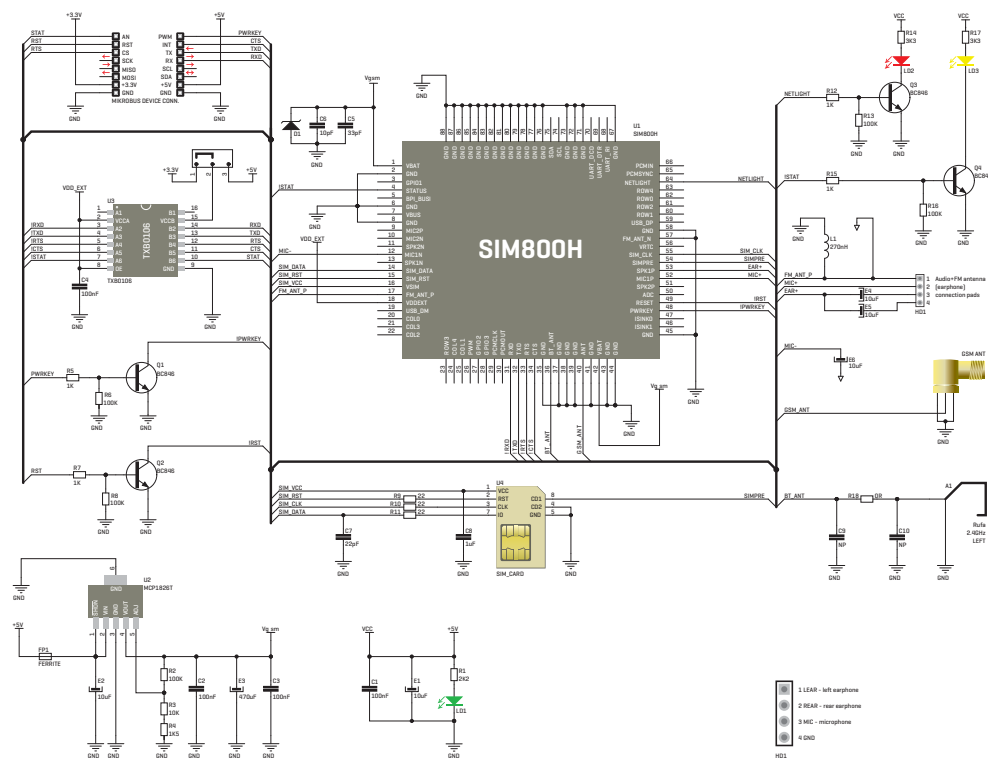


**click™**  
**BOARD**  
[www.mikroe.com](http://www.mikroe.com)

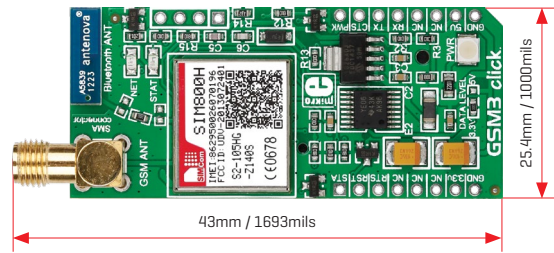
GSM3 click™ manual  
ver 1.01



5. Schematic



6. Dimensions



|        | mm   | mils |
|--------|------|------|
| LENGTH | 43   | 1693 |
| WIDTH  | 25.4 | 1000 |
| HEIGHT | 8.2  | 323  |

7. SMD jumper



Resolder the onboard zero ohm SMD jumper to select between 3.3V or 5V I/O voltage levels [soldered in the 3.3V position by default].

8. Code examples

Once you have done all the necessary preparations, it's time to get your click™ board up and running. We have provided examples for mikroC™, mikroBasic™ and mikroPascal™ compilers on our **Libstock** website. Just download them and you are ready to start.



9. Support

MikroElektronika offers **free tech support** [[www.mikroe.com/support](http://www.mikroe.com/support)] until the end of the product's lifetime, so if something goes wrong, we're ready and willing to help!



10. Disclaimer

MikroElektronika assumes no responsibility or liability for any errors or inaccuracies that may appear in the present document. Specification and information contained in the present schematic are subject to change at any time without notice.

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