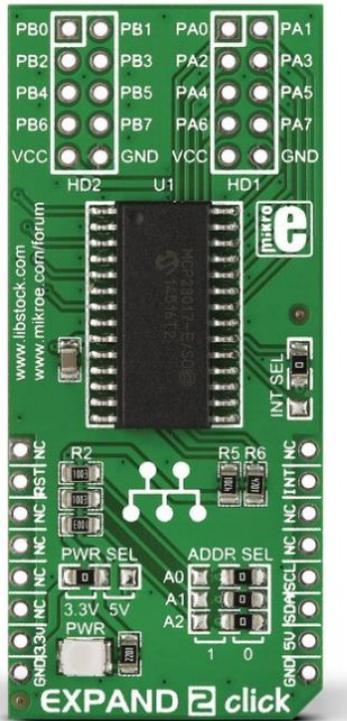


## Expand 2 click



PID: MIKROE-1838

RS Product Code: [136-0716](#)

EXPAND 2 click is an accessory board in mikroBUS form factor. It includes a 16-bit I/O expander MCP23017 with I<sup>2</sup>C clock speeds up to 10 MHz for higher throughput applications. Three HARDWARE ADDRESS SEL jumpers allow you to configure board address and connect up to eight devices on the bus. Controller also supports interrupt-on-change feature. Board is set to use 3.3V power supply by default. Solder PWR SEL SMD jumper to 5V position if used with 5V systems.

## Specification

|                  |  |
|------------------|--|
| Product Type     | Port expander  |
| Applications     | Board is ideal for saving microcontroller pins, and expanding the number of input-output lines |
| On-board modules | 16-bit I/O expander MCP23017   |
| Key Features     | 16 GPIO pins divided into two 8-bit PORTs  |
| Key Benefits     | Selectable hardware address using SMD jumpers  |
| Interface        | I <sup>2</sup> C   |
| Power Supply     | 3.3V or 5V   |
| Compatibility    | mikroBUS   |
| Click board size | L (57.15 x 25.4 mm)  |
| Weight           | 30g  |

## Downloads

[EXPAND2 Click Examples](#)

[EXPAND2 Click User Manual](#)