Force 2 Click

PID: MIKROE-4046

Force 2 Click is a mikroBUS™ add-on board with circuitry for implementing Honeywell's FSS1500NGT Series force sensors into your projects (with a single zone force sensing resistor included with the click). This Click board™ utilizes FSS1500NGT force sensor which is designed to be one of the most reliable force sensor available as illustrated by 20 million Mean Cycles to Failure (MCTF) at 25 °C [77 °F] rating. This low profile Surface Mount Technology (SMT) sensor allows for automated assembly on a printed circuit board, often helping the customer to reduce assembly costs, while maintainging precise and reliable force sensing performance in a compact commercial-grade package.

Force 2 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.
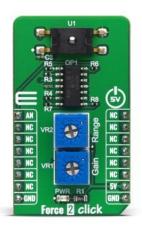
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Specifications

Type	Force
Applications	FSS1500NGT sensor is used in medical and industrial purposes, like infusionand ambulatory non-invasive pumps, kidney dialysis machines, load and compression sensing, variable tension control, robotic end-effector, etc.
On-board modules	FSS015NGT Honeywell's FSS-SMT Series force sensor
Key Features	FSS015NGT force sensor on it and the force sensing range is 0-15N with overforce up to 45N
Interface	Analog
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

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[Force 2 click 2D and 3D files](#)

[Force 2 click schematic](#)

[FSS1500NGT datasheet](#)

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