

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 maintaining 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.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Force
Applications	FSS1500NGT sensor is used in medical and industrial purposes, like infusion and 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
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Force 2 click example on Libstock](#)

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

[Force 2 click schematic](#)

[FSS1500NGT datasheet](#)

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