

Driver 2 Click



PID: MIKROE-4352

Driver 2 Click is a compact add-on board that contains a gate driver with a level-shift technology with an additional Shutdown function. This board features the IR2104S, a high voltage, high-speed power MOSFET and IGBT driver with typical 0.21 A source and 0.36 A sink currents and independent high and low side referenced output channels from Infineon Technologies. It consists of a level shifter in combination with a power amplifier that accepts a low-power input compatible with standard CMOS or LSTTL outputs and produces a high-current drive input for the gate of a high-power transistor. This Click board™ is suitable for any application ranging from DC-DC power supply for high power density and efficiency up to a wide range of motor applications.

Driver 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	Brushed
Applications	Can be used for many applications, ranging from the DC-DC power supply for high power density and efficiency up to a wide range of motor applications such as home appliances, industrial drives, DC brushed and brushless motors, and more.
On-board modules	Driver 2 Click is based on the IR2104, a high-voltage, high-speed power MOSFET and IGBT driver with typical 0.21A source and 0.36A sink currents and independent high and low side referenced output channels from Infineon Technologies.
Key Features	Low power consumption, high precision
Interface	GPIO,PWM
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V,External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

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

[LM393 datasheet](#)

[Driver 2 click example on Libstock](#)

[IR2104 datasheet](#)

[Driver 2 click schematic](#)

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