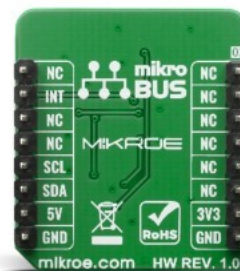
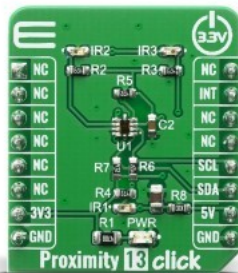


Proximity 13 Click



PID: MIKROE-3991

Proximity 13 Click based on [SI1153-AB09-GMR](#) IC from [Silicon Labs](#) that can be used as an proximity, and gesture detector with I2C digital interface and programmable-event interrupt output. The host can send command the Proximity 13 click to initiate on-demand proximity measurements. The host can also place the click board in an autonomous operational state where it performs measurements at set intervals and interrupts the host either after each measurement is completed or whenever the sample is larger/smaller than a set threshold value or exits/enters a set threshold window.

Proximity 13 Click board™ 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	Proximity
Applications	Wearables, Handsets, Display backlight control, Consumer electronics
On-board modules	SI1153-AB09-GMR
Key Features	Proximity detector, three independent LED drivers, operates in direct sunlight with on die 940 nm passband filter, internal and external wake support
Interface	GPIO,I2C
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Proximity 13 click 2D and 3D files](#)

[SI1153 datasheet](#)

[Proximity 13 click schematic](#)

[Proximity 13 click example on Libstock](#)

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