# Proximity 13 Click
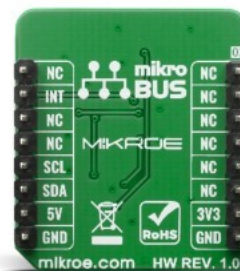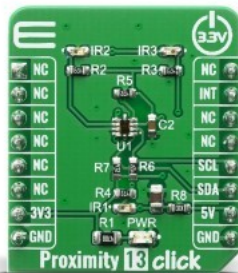
PID: MIKROE-3991

**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.

# Specifications

| Type | Proximity |
|---|---|
| Applications | Wearables, Handsets, Display backlight control, Consumer electronics |
| On-board modules | SI1153-AB09-GMR |
| Key Features | Proximity detector, three independet LED drivers, operates in direct sunlight with on die 940 nm pasband 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