

## PROXIMITY 2 click



PID: MIKROE-1818

RS product Code: [136-0707](#)

Proximity 2 click features MAX44000, an IC that integrates an ambient light as well as a proximity sensor. The chip consists of an array of photodiodes that convert light into current, which the internal circuitry then converts into a digital value. The light sensor has a dynamic range of 0.03 to 65.535 lux. The IR proximity detector is matched with an integrated IR LED driver (for the onboard high power infrared LED). Proximity 2 click communicates with the target board microcontroller through mikroBUS I2C (SCL, SDA), and INT lines. It's designed to use a 3.3V power supply only.

### Specification

Product Type	Proximity
Applications	Consumer and industrial applications, mobile phones, digital camera, tablet PC application and many more
On-board modules	MAX44000
Key Features	2cm range of proximity sensor. Interrupt function
Key Benefits	Integrated light and proximity sensor
Interface	I2C
Power Supply	3.3V
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Weigh	29g

# Downloads

[Proximity 2 click Examples](#)

[Proximity 2 click User Manual](#)