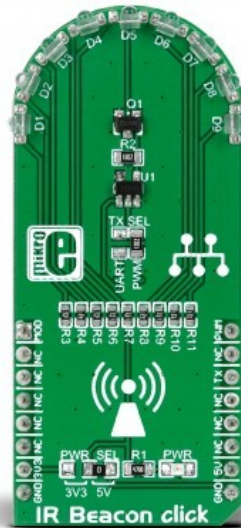


## IR Beacon Click



PID: MIKROE-1939

IR Beacon click is a mikroBUS™ add-on board with an array of nine high speed infrared emitting diodes. It functions as a beacon device, transmitting infrared rays in a wide angle, which can be detected by nearby infrared receivers (such as the one on IR click). Each of the nine VSMB2948SL diodes have a transparent plastic package that serve as tiny lenses.

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	Optical
Applications	Remote controls. Also, it's ideal for robot competitions that require two robots to communicate with each other (pair with IR click).
On-board modules	Nine VSMB2948SL diodes
Key Features	0.5 m range (can be increased by stacking multiple IR Beacon clicks), TX (UART), PWM, MOD
Interface	GPIO,PWM,UART
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[IR Beacon click Documentation](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[IR Beacon click example on Libstock](#)

[IR Beacon schematic](#)

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).