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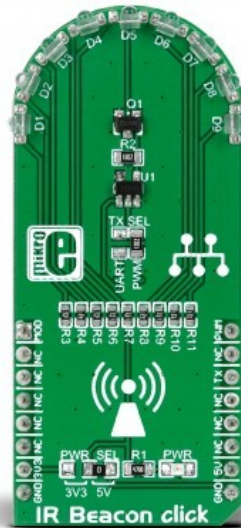Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
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IR Beacon Click

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.

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