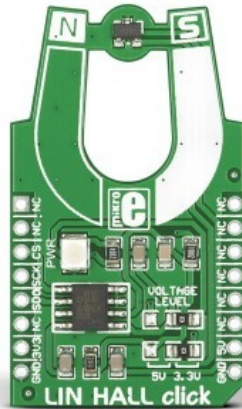


## LIN HALL Click



PID: MIKROE-1648

LIN HALL click carries an [MLX90242](#) linear Hall sensor IC (with built-in active error correction circuitry) and an MCP3201 12-bit ADC.

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	Magnetic
Applications	Measuring strength of different magnets. Measuring distance of a magnet from sensor (suitable for industrial controllers, joysticks, or any other applications for contactless linear or rotary position sensing)
On-board modules	MLX90242 linear Hall sensor IC (with built-in active error correction circuitry) and an MCP3201 12-bit ADC
Key Features	Built-in active error correction circuitry. Linear output proportional to magnetic flux density
Interface	SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[LIN HALL click example on Libstock](#)

[LIN HALL click User Manual](#)

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