

## Tilt click



PID: MIKROE-1834

RS Product Code: [136-0714](#)

Tilt click carries RPI-1035, a 4-directional optical tilt sensor. This type of sensor provides positional feedback for left, right, backward or forward movement (tilt). Compared to mechanical solutions, optical direction detectors are less prone to noise caused by vibrations. Compared to magnetic-based direction detectors, they are not influenced by magnetic disturbances. Tilt click communicates with the target board microcontroller through mikroBUS PWM and INT lines, used here for vout1 and vout2 outputs from the sensor. In addition, two onboard LEDs provide visual feedback from the sensor. The board is designed to use either a 3.3V or 5V power supply.

### Specification

Product Type	Motion
Applications	Tilt sensors for remote controls or game controllers, for robotics, or rotating displays
On-board modules	RPI-1035 4-directional optical tilt sensor
Key Features	4-directional optical sensor. Signal LEDs
Key Benefits	Highly reliable
Interface	GPIO
Power Supply	3.3V or 5V
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Weight	30g

## Downloads

[Tilt Click - Example](#)

[Tilt Click - User Manual](#)

[MikroElektronicka Article on MEMS Sensors](#)