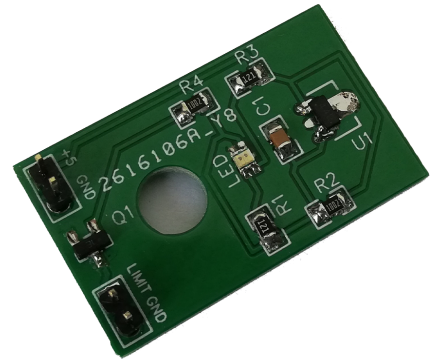


# Magnetic Limit Switch ver.2

## 1 Overview

- High precision sensing
- Onboard led indicating state
- Through-hole for M5 screws, for direct mount
- Very compact design
- Standard 2.54mm connecting pins



## 2 Description

- Magnetic limit switches filter has the role of point out when a magnet is close to it. This function is done by non-latching hall effect sensor that is mount on the tip of the board.
- This kind of sensor are very precise and sensitive and that makes the board very reliable because is capable of repeatable measurement with low tolerances. In addition to that, only magnetic fields can trigger it so i can't be affected by dust,light, vibration and other kind of noise. (even electric noise, beause it has in high treshold on inputs)
- On board mounted led indicates the state of the sensor: ORANGE when not triggered, RED when triggered. (notice that a trigger came when a magnet came close to the board, ONLY if SOUTH is directed to the board)
- In the normal state, LIMIT pin is put to GND, in the other hand, when a magnet come close, the board will open the circuit bewteen LIMIT and GND pins.

### 3 Technical specification

	Unit	Value
Power voltage	V	5.0
Maximum current through the board	A	0.04
Output signal	--	GND
Dimensions	mm * mm * mm	30*18*8.7
Weight	g	2
Temperature range	°C	-40 ÷ 85

### 4 Pinout

Pin	Signal
GND	GND
+5	+5V Input (from power supply)
LIMIT	Output signal

### 5 Measures

