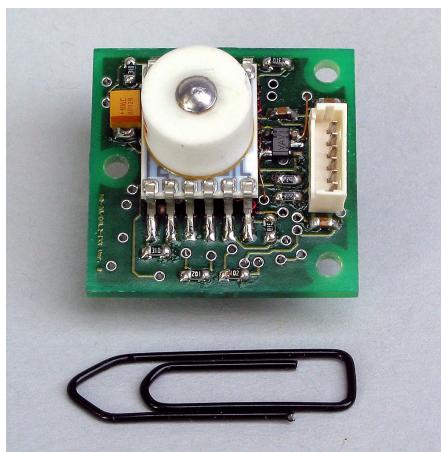
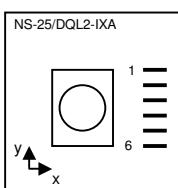


# Miniature, OEM Inclinometer



## Pin out



Pining:

- 1 Vcc + 5 VDC, stabilized
- 2 GND in
- 3 N.C.
- 4 SCL I<sup>2</sup>C Clock Input
- 5 N.C.
- 6 SDA I<sup>2</sup>C Data I/O

## Specification (preliminary)

	Conditions	Min	Typ	Max	Unit
Measurement range		-25	+25		°
Absolute maximum rating <sup>(1)</sup>		-60	+60		°
Resolution		0.02			°
Accuracy	Tamb=25 °C	0.1	0.3		°
Accuracy	-25 < Tamb <+85 °C	0.3	TBD		°
Offset	Tamb=25 °C	0.15			°
Rise time <sup>(2)</sup>	5 °> 0 °, Tamb=-25 °C		0.5		s
Output I <sup>2</sup> C	Baud rate	10	50		KBit/s
Power voltage supply	V <sub>cc</sub>	4.75	5	5.25	VDC
Current consumption			10		mA
Operation temperature range		-25	+85		°C
Storage temperature range		-40	+105		°C
Weight		10			g
Dimensions	W x D x H	25 x 25	x 16		mm

<sup>(1)</sup> by operating, under power supply.  
Don't overstep the maximum rating.  
Impairment of basic cells possible.  
<sup>(2)</sup> Time after reaches maximum difference of 0.1° to final value.

Molex 6 pin connector

This inclinometer must be mount in a horizontal position (x-y-plane).