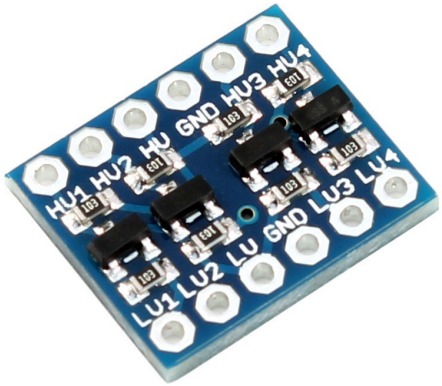
Name: **4-Bit Bidirectional Voltage Level Converter**

Code: **MR002-005.1**



This bi-directional logic level converter is a small device that safely steps down 5V signals to 3.3V and steps up 3.3V to 5V at the same time. This level converter also works with 2.8V and 1.8V devices, with a total of four signals.

This board has presoldered pads placed at a standard distance (0.1”) in such a way that the converter can be easily integrated into existing systems through the use of male strip connectors or otherwise used with breadboard or prototyping boards.

The level converter is very easy to use: the board needs to be powered from the two voltages sources (high voltage and low voltage) that your system is using. High voltage (5V for example) to the ‘HV’ pin, low voltage (3.3V for example) to ‘LV’, and ground from the system to the ‘GND’ pin.

The board is provided with two 6-pin 0,100” male strip connectors.

CHARACTERISTICS

Name	*Description*
I/O voltage level	From 1.8V to 5V
Dimensions	0.61” x 0.51” (15.5 x 13 mm)
Weight	0.02oz / 0.7g
Temperature range	-55 +150°C

Tab.1 - Characteristics

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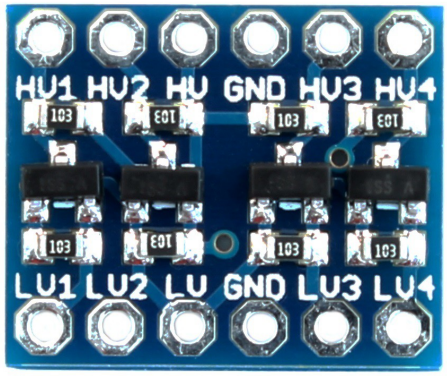
CONNECTIONS

Name	Description
LV	Low voltage reference
HV	High voltage reference
GND	Ground
LVx	Low voltage level I/O pin
HVx	High voltage level I/O pin

Tab.2 – Connections



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