

Voltage Level Translator, Bidirectional, 2 Input, 1 mA, 20 ns, 1.5 V to 5.5 V, SOIC-8

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	SOIC-8
Product Type	Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for NLSX4373DR2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The NLSX4373 is a 2-Bit configurable dual-supply bidirectional auto sensing translator that does not require a directional control pin. The VCC I/O and VL I/O ports are designed to track two different power supply rails, VCC and VL respectively. The VCC supply rail is configurable from 1.5V to 5.5V while VL supply rail is configurable from 1.5V to 5.5V. This allows voltage logic signals on the VL side to be translated into lower, higher or equal value voltage logic signals on the VCC side and vice-versa. The NLSX4373 translator has open-drain outputs with integrated 10K Ohm pullup resistors on the I/O lines. The integrated pullup resistors are used to pullup the I/O lines to either VL or VCC. The NLSX4373 is an excellent match for open-drain applications such as the I2C communication bus.

## Features

Wide VCC Operating Range: 1.5V to 5.5V Wide VL Operating Range: 1.5V to 5.5V

Allows for ease of integration to multiple voltage systems.

High-Speed with 20 Mb/s Guaranteed Data Rates

Minimizes system delays

Low Bit-to-bit skew

Good for differential signaling

Small Packaging - 1.8 x 1.2 x 0.5mm UDFN8

Physical space savings over alternate solutions

## Application

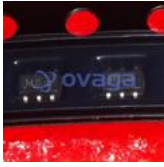
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