

4-Bit 100 Mbps Configurable Dual-Supply Level Translator, Translation - Voltage Levels
4B100Mbps CONFIG DUAL SUP LEV TRNSLTR

Manufacturers	<u>ON Semiconductor, LLC</u>
Package/Case	UQFN12
Product Type	Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for NLSX3014MUTAG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NLSX3014 is a 4 bit configurable dual supply bidirectional level translator without a directional control pin. The IO_VCC and IO_VL ports are designed to track two different power supply rails, VCC and VL respectively. The VCC supply rail is configurable from 1.3V to 4.5V while the VL supply rail is configurable from 0.9V to VCC minus 0.4V. This allows lower voltage logic signals on the VL side to be translated into higher voltage logic signals on the VCC side, and vice versa. Both IO ports are auto sensing and thus, have no direction pin. The Enable EN input, when Low, disables both IO ports by putting them in 3 state. This reduces significantly the supply currents from both VCC and VL. The EN signal is designed to track VL.

Features

Directional Auto Sense

Easier design implementation. No planning required for direction pin control.

Wide Voltage Translation Range

Allows for translation from voltage ranges of 1.3V to 4.5V

Low Power Consumption

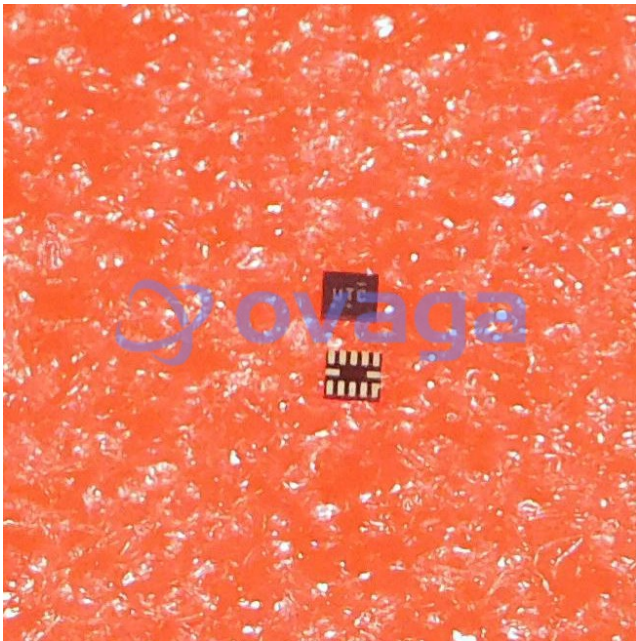
Longer battery life in hand held applications

Small UQFN12 (1.7mm x 2.0mm) package

Small package footprint of 3.4mm² reduces the amount of board space required for translation.

Application

ONSEMI



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