



- Product Services
- Product Taxonomy
  - Standard Logic
    - Arithmetic Functions (39)
    - Buffers (125)
    - Bus Transceivers (21)
    - Flip-Flops (45)
    - I / O Expanders (8)
    - Latches & Registers (54)
    - Logic Gates (224)
    - Multiplexers (62)
    - Translators (34)**
  - New Products

Home > Products > Product Taxonomy > Standard Logic > Translators > NLSV1T244

## NLSV1T244: 1-Bit Dual-Supply Non-Inverting Level Translator

- Overview Specifications



**Datasheet: 1 Bit Configurable Dual Supply Voltage Level Translator**  
Rev. 2 (113.0kB)

- »View Material Composition
- »Product Change Notification (1)

**Product Overview**

### Product Description

The NLSV1T244 is a 1 bit configurable dual supply voltage level translator. The input An and output Bn ports are designed to track two different power supply rails, VCCA and VCCB respectively. Both supply rails are configurable from 0.9 V to 4.5 V allowing universal low voltage translation from the input An to the output Bn port.

### Features

- Non-preferential VCCA and VCCB Sequencing
- Wide VCCA and VCCB Operating Range: 0.9 V to 4.5 V
- High-Speed w/ Balanced Propagation Delay
- Inputs and Outputs have OVT Protection to 4.5 V
- Outputs at 3-State until Active VCC is Reached
- Power-Off Protection
- Outputs Switch to 3-State with VCCB at GND
- Ultra-Small Packaging: 1.2 mm x 1.0 mm UDFN6
- This is a Pb-Free Device

### Benefits

- Allows for easier design

### Applications

- Mobile Phones, PDAs, Other Portable Devices

### Technical Documentation & Design Resources

- Data Sheets (1) Package Drawings (1)

### Availability and Samples

Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary Price/Unit
				Type	Case Outline		Type	Qty.	
NLSV1T244MUTBG	Active	Pb-free Halide free	1-Bit Dual-Supply Non-Inverting Level Translator	UDFN-6	517AA	1	Tape and Reel	3000	\$0.8133 Buy Now Sample <a href="#">» Inventory</a>
NLVSV1T244MUTBG	Active	AEC Qualified ppap Capable Pb-free Halide free	1-Bit Dual-Supply Non-Inverting Level Translator	UDFN-6	517AA	1	Tape and Reel	3000	\$0.8946

Moisture Sensitivity level (MSL) for surface mount devices (lead free measured at 260°C reflow, non lead free at 235°C reflow)

### Previously Viewed Products

Select Proc

[Clear List](#)

### Design Support

- » Technical Documentation
- » Design Resources & Documents
- » Technical Support
- » Sales Support

