

Product Overview

NLSV1T34: 1-Bit Dual-Supply Non-Inverting Level Translator

For complete documentation, see the data sheet.

The NLSV1T34 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

- 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
- Non-preferential VCCA and VCCB Sequencing
- Power-Off Protection
- UltraSmall Packaging: 1.45 mm x 1.0 mm ULLGA6 2.0 mm x 2.1 mm SC88A 1.2 mm x 1.0 mm UDFN6 1.45 mm x 1.0 mm UDFN6
- This is a Pb and Halide Free Device

Applications

- Mobile Phones, PDAs, Other Portable Devices

Part Electrical Specifications

Product	Compliance	Status	Channels	Input Level	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	I _O Max (mA)	Package Type
NLSV1T34AMUTCG	Pb-free	Active	1	CMOS	0.9	4.5	3.3	24	UDFN-6
	Halide free								
NLSV1T34DFT2G	Pb-free	Active	1	CMOS	0.9	4.5	3.3	24	SC-88A
	Halide free								
NLSV1T34MUTBG	Pb-free	Active	1	CMOS	0.9	4.5	3.3	24	UDFN-6
	Halide free								
NLVSV1T34DFT2G	AEC Qualified	Active	1	CMOS	0.9	4.5	3.3	24	SC-88A
	PPAP Capable								
	Pb-free								
	Halide free								

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