



Product Overview

NLX1G11: 3-Input AND Gate

For complete documentation, see the data sheet

Product Description

The NLX1G11 is an advanced high-speed 3-input CMOS AND gate in ultra-small footprint. The NLX1G11 input structures provide protection when voltages up to 7.0 V are applied, regardless of the supply voltage.

Features

- High Speed: $t_{PD} = 2.4 \text{ ns (Typ)}$ @ $V_{CC} = 5.0 \text{ V}$
- Designed for 1.65 V to 5.5 V V_{CC} Operation
- Low Power Dissipation: $I_{CC} = 1 \text{ A (Max)}$ at $T_A = 25^\circ\text{C}$
- 24 mA Balanced Output Source and Sink Capability
- Balanced Propagation Delays
- Overvoltage Tolerant (OVT) Input Pins
- UltraSmall Packages
- These are PbFree Devices

Applications

- I/O Interface, PMBus
- Cell Phone

Part Electrical Specifications

Product	Compliance	Status	Type	Channels	V_{CC} Min (V)	V_{CC} Max (V)	t_{pd} Max (ns)	I_O Max (mA)	Package Type
NLX1G11AMUTCG	Pb-free Halide free	Active	AND/NAND	3	1.65	5.5	2.4	24	UDFN-6
NLX1G11CMUTCG	Pb-free Halide free	Active	AND/NAND	3	1.65	5.5	2.4	24	UDFN-6

For more information please contact your local sales support at www.onsemi.com

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