

## Product Overview

### NL37WZ07: Triple Buffer, Open Drain

For complete documentation, see the data sheet.

The NL37WZ07 is a high performance triple buffer with open drain outputs operating from a 1.65 to 5.5 V supply. The internal circuit is composed of multiple stages, including an open drain output which provides the capability to set output switching level. This allows the NL37WZ07 to be used to interface 5 V circuits to circuits of any voltage between VCC and 7 V using an external resistor and power supply.

### Features

- Extremely High Speed: tPD 2.5 ns (typical) at VCC = 5 V
- Designed for 1.65 V to 5.5 V VCC Operation
- Over Voltage Tolerant Inputs, Outputs
- LVTTTL Compatible – Interface Capability with 5 V TTL Logic with VCC = 3 V
- LVCMOS Compatible
- 24 mA Output Sink Capability
- Near Zero Static Supply Current Substantially Reduces System Power Requirements
- Chip Complexity: FET = 72
- Pb-Free Package is Available

### Part Electrical Specifications

Product	Compliance	Status	Channels	Output	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>pd</sub> Max (ns)	I <sub>O</sub> Max (mA)	Package Type
NL37WZ07USG	Pb-free	Active	3	Open Drain	1.65	5.5	3.5	32	US8
	Halide free								
NLV37WZ07USG	PPAP Capable Pb-free Halide free	Active	3	Open Drain	1.65	5.5	3.5	32	US8

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