Dual 2−Input NAND Gate,Gates (AND / NAND / OR / NOR) 1.65-5.5V Dual 2-Input NAND

US8
CASE 493−02
ISSUE B

Images are for reference only

Manufacturers	ON Semiconductor, LLC
Package/Case	VFSOP-8
Product Type	Logic ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for NL27WZ00USG or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The NL27WZ00 is a high performance dual 2 Input NAND Gate operating from a 1.65 V to 5.5 V supply.

## Features

Extremely High Speed: tPD 2.4 ns (typical) at>

Designed for 1.65 V to 5.5 V VCC Operation

Over Voltage Tolerant Inputs

LVTTL Compatible – Interface Capability With 5 V TTL Logic with>

LVCMOS Compatible

24 mA Balanced Output Sink and Source Capability

Near Zero Static Supply Current Substantially Reduces System Power Requirements

Replacement for NC7WZ00

Chip Complexity:>

Pb-Free Package is Available

Application
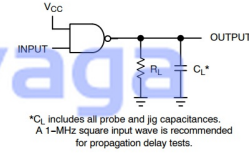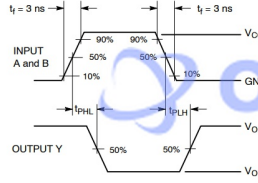
ONSEMI

US8
CASE 493–02
ISSUE B
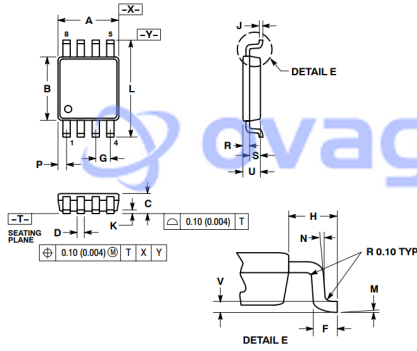
NOTES:
1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. DIMENSION "A" DOES NOT INCLUDE MOLD FLASH, PROTRUSION OR GATE BURR. MOLD FLASH, PROTRUSION AND GATE BURR SHALL NOT EXCEED 0.140 MM (0.0055") PER SIDE.
4. DIMENSION "B" DOES NOT INCLUDE INTER–LEAD FLASH OR PROTRUSION. INTER–LEAD FLASH AND PROTRUSION SHALL NOT EXCEED 0.140 (0.0055") PER SIDE.
5. LEAD FINISH IS SOLDER PLATING WITH THICKNESS OF 0.0076–0.0203 MM. (300–800 "),
6. ALL TOLERANCE UNLESS OTHERWISE SPECIFIED ±0.0508 (0.0002 ").

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.90	2.10	0.075	0.083
B	2.20	2.40	0.087	0.094
C	0.60	0.90	0.024	0.035
D	0.17	0.25	0.007	0.010
F	0.20	0.35	0.008	0.014
G	0.50 BSC		0.020 BSC	
H	0.40 REF		0.016 REF	
J	0.10	0.18	0.004	0.007
K	0.00	0.10	0.000	0.004
L	3.00	3.20	0.118	0.126
M	0 °	6 °	0 °	6 °
N	5 °	10 °	5 °	10 °
P	0.23	0.34	0.010	0.013
R	0.23	0.33	0.009	0.013
S	0.37	0.47	0.015	0.019
U	0.60	0.80	0.024	0.031
V	0.12 BSC		0.005 BSC	

*C_L includes all probe and jig capacitances. A 1–MHz square input wave is recommended for propagation delay tests.

Related Products

NLSV2T244MUTAG

ON Semiconductor, LLC

UDFN8

NLSV1T34DFT2G

ON Semiconductor, LLC

SC-88A

NL27WZU04DFT2G

ON Semiconductor, LLC

SC-70-6
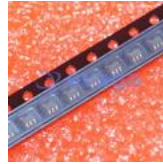
NL17SZ32DFT2G

ON Semiconductor, LLC

SC-70

NL17SZ126DFT2G

ON Semiconductor, LLC

SC-70-5

NL17SZ00DFT2G

ON Semiconductor, LLC

SC-70

NL37WZ17USG

ON Semiconductor, LLC

US8-8

NLSX3014MUTAG

ON Semiconductor, LLC

UQFN12

Ovaga Technologies Limited