## 1. General description

The 74LVC1G00 provides the single 2-input NAND function.

Input can be driven from either 3.3 V or 5 V devices. These features allow the use of these devices in a mixed 3.3 V and 5 V environment.

Schmitt trigger action at all inputs makes the circuit tolerant for slower input rise and fall time.

This device is fully specified for partial power-down applications using  $I_{OFF}$ . The  $I_{OFF}$  circuitry disables the output, preventing the damaging backflow current through the device when it is powered down.

## 2. Features and benefits

- Wide supply voltage range from 1.65 V to 5.5 V
- High noise immunity
- Complies with JEDEC standard:
  - ◆ JESD8-7 (1.65 V to 1.95 V)
  - ◆ JESD8-5 (2.3 V to 2.7 V)
  - JESD8-B/JESD36 (2.7 V to 3.6 V)
- $\pm 24$  mA output drive (V<sub>CC</sub> = 3.0 V)
- CMOS low power consumption
- Latch-up performance exceeds 250 mA
- Direct interface with TTL levels
- Inputs accept voltages up to 5 V
- Multiple package options
- ESD protection:
  - HBM JESD22-A114F exceeds 2000 V
  - MM JESD22-A115-A exceeds 200 V
- Specified from -40 °C to +85 °C and -40 °C to +125 °C



## 3. Ordering information

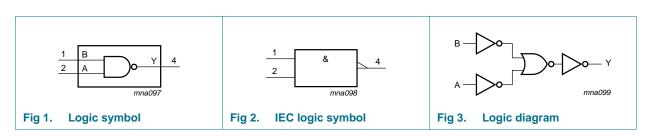
Table 1. Ordering i	nformation			
Type number	Package			
	Temperature range	Name	Description	Version
74LVC1G00GW	–40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1
74LVC1G00GV	–40 °C to +125 °C	SC-74A	plastic surface-mounted package; 5 leads	SOT753
74LVC1G00GM	–40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 $\times$ 1.45 $\times$ 0.5 mm	SOT886
74LVC1G00GF	–40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 $\times$ 1 $\times$ 0.5 mm	SOT891
74LVC1G00GN	–40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body $0.9 \times 1.0 \times 0.35$ mm	SOT1115
74LVC1G00GS	–40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body $1.0 \times 1.0 \times 0.35$ mm	SOT1202
74LVC1G00GX	–40 °C to +125 °C	X2SON5	X2SON5: plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body $0.8 \times 0.8 \times 0.35$ mm	SOT1226

## 4. Marking

Table 2.   Marking codes	
Type number	Marking <sup>[1]</sup>
74LVC1G00GW	VA
74LVC1G00GV	V00
74LVC1G00GM	VA
74LVC1G00GF	VA
74LVC1G00GN	VA
74LVC1G00GS	VA
74LVC1G00GX	VA

[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

## 5. Functional diagram

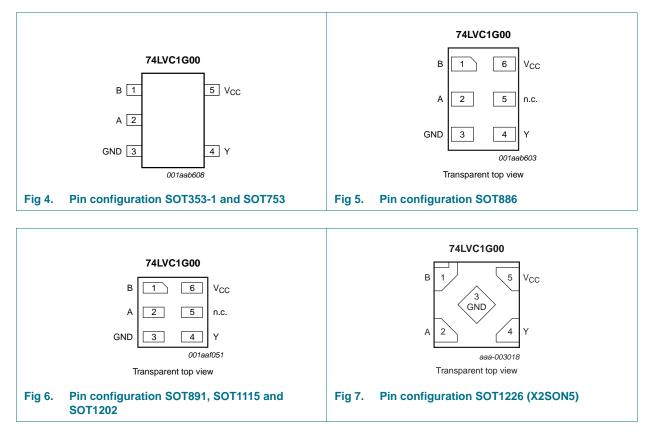


74LVC1G00 Product data sheet

Single 2-input NAND gate

## 6. Pinning information

### 6.1 Pinning



### 6.2 Pin description

Symbol	Pin		Description	
	TSSOP5 and X2SON5	XSON6		
В	1	1	data input	
A	2	2	data input	
GND	3	3	ground (0 V)	
Y	4	4	data output	
n.c.	-	5	not connected	
V <sub>CC</sub>	5	6	supply voltage	

## 7. Functional description

Table 4. Function	table <sup>[1]</sup>	
Inputs		Outputs
Α	В	Y
L	L	Н
L	Н	Н
Н	L	Н
Н	Н	L

[1] H = HIGH voltage level; L = LOW voltage level.

### 8. Limiting values

#### Table 5. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134). Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	Min	Мах	Unit
Symbol	Falallelel	Conditions	IVIIII	IVIAX	Unit
V <sub>CC</sub>	supply voltage		-0.5	+6.5	V
I <sub>IK</sub>	input clamping current	V <sub>1</sub> < 0 V	-50	-	mA
VI	input voltage		<u>[1]</u> –0.5	+6.5	V
Ι <sub>ΟK</sub>	output clamping current	$V_{O} > V_{CC}$ or $V_{O} < 0$ V	-	±50	mA
Vo	output voltage	Active mode	<u>[1][2]</u> –0.5	V <sub>CC</sub> + 0.5	V
		Power-down mode	[1][2] -0.5	+6.5	V
lo	output current	$V_{O} = 0 V$ to $V_{CC}$	-	±50	mA
I <sub>CC</sub>	supply current		-	+100	mA
I <sub>GND</sub>	ground current		-100	-	mA
P <sub>tot</sub>	total power dissipation	$T_{amb} = -40 \text{ °C to } +125 \text{ °C}$	<u>[3]</u>	250	mW
T <sub>stg</sub>	storage temperature		-65	+150	°C

[1] The input and output voltage ratings may be exceeded if the input and output current ratings are observed.

[2] When  $V_{CC} = 0 V$  (Power-down mode), the output voltage can be 5.5 V in normal operation.

## 9. Recommended operating conditions

Table 6.	Recommended operating condition	tions				
Symbol	Parameter	Conditions	Min	Тур	Max	Unit
V <sub>CC</sub>	supply voltage		1.65	-	5.5	V
VI	input voltage		0	-	5.5	V
Vo	output voltage	Active mode	0	-	V <sub>CC</sub>	V
		$V_{CC} = 0 V$ ; Power-down mode	0	-	5.5	V
T <sub>amb</sub>	ambient temperature		-40	-	+125	°C
$\Delta t / \Delta V$	input transition rise and fall rate	$V_{CC}$ = 1.65 V to 2.7 V	-	-	20	ns/V
		$V_{CC} = 2.7 \text{ V} \text{ to } 5.5 \text{ V}$	-	-	10	ns/V

## **10. Static characteristics**

#### Table 7. Static characteristics

At recommended operating conditions. Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	-40	°C to +8	5 °C	-40 °C to	+125 °C	Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
VIH	HIGH-level	$V_{CC} = 1.65 \text{ V} \text{ to } 1.95 \text{ V}$	$0.65V_{CC}$	-	-	$0.65V_{CC}$	-	V
	input voltage	$V_{CC}$ = 2.3 V to 2.7 V	1.7	-	-	1.7	-	V
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	2.0	-	-	2.0	-	V
		$V_{CC}$ = 4.5 V to 5.5 V	$0.7V_{CC}$	-	-	$0.7V_{CC}$	-	V
VIL	LOW-level	$V_{CC} = 1.65 \text{ V} \text{ to } 1.95 \text{ V}$	-	-	$0.35V_{CC}$	-	$0.35V_{CC}$	V
	input voltage	$V_{CC}$ = 2.3 V to 2.7 V	-	-	0.7	-	0.7	V
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	-	-	0.8	-	0.8	V
		$V_{CC}$ = 4.5 V to 5.5 V	-	-	$0.3V_{CC}$	-	$0.3V_{CC}$	V
V <sub>OH</sub>	HIGH-level	$V_{I} = V_{IH} \text{ or } V_{IL}$						
	output voltage	$I_{O} = -100 \ \mu\text{A};$ $V_{CC} = 1.65 \ \text{V} \text{ to } 5.5 \ \text{V}$	$V_{CC}-0.1$	-	-	$V_{CC}-0.1$	-	V
		$I_0 = -4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	1.2	-	-	0.95	-	V
		$I_0 = -8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.9	-	-	1.7	-	V
		$I_0 = -12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	2.2	-	-	1.9	-	V
		$I_0 = -24$ mA; $V_{CC} = 3.0$ V	2.3	-	-	2.0	-	V
		$I_{O} = -32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.8	-	-	3.4	-	V
V <sub>OL</sub>	LOW-level	$V_{I} = V_{IH} \text{ or } V_{IL}$						
	output voltage	$I_{O} = 100 \ \mu$ A; V <sub>CC</sub> = 1.65 V to 5.5 V	-	-	0.1	-	0.1	V
		$I_0 = 4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.45	-	0.70	V
		$I_0 = 8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.3	-	0.45	V
		$I_0 = 12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	-	-	0.4	-	0.60	V
		$I_0 = 24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.55	-	0.80	V
		$I_{O} = 32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	-	0.55	-	0.80	V
lı	input leakage current	V <sub>I</sub> = 5.5 V or GND; V <sub>CC</sub> = 0 V to 5.5 V	-	±0.1	±5	-	±100	μΑ
4LVC1G00		All information provided in this de	ocument is subject to leg	gal disclaimers.		۵D	IXP B.V. 2012. All r	ights rese
roduct d	ata sheet	Rev. 10 –	– 2 July 2012					5 of

Symbol	Parameter Conditions		-40	–40 °C to +85 °C			o +125 ℃	Unit
			Min	Typ[1]	Max	Min	Max	
I <sub>OFF</sub>	power-off leakage current	$V_{CC}$ = 0 V; V <sub>I</sub> or V <sub>O</sub> = 5.5 V	-	±0.1	±10	-	±200	μA
I <sub>CC</sub>	supply current	$V_{I} = 5.5 V \text{ or GND}; I_{O} = 0 A;$ $V_{CC} = 1.65 V \text{ to } 5.5 V$	-	0.1	10	-	200	μA
$\Delta I_{CC}$	additional supply current		-	5	500	-	5000	μΑ
CI	input capacitance	$V_{CC}$ = 3.3 V; $V_{I}$ = GND to $V_{CC}$	-	5	-	-	-	pF

#### Table 7. Static characteristics ...continued

At recommended operating conditions. Voltages are referenced to GND (ground = 0 V).

[1] All typical values are measured at V\_{CC} = 3.3 V and T\_{amb} = 25 °C.

## 11. Dynamic characteristics

#### Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for load circuit see Figure 9.

Symbol	Parameter	Conditions		-40	) °C to +85	°C	–40 °C to	o +125 ℃	Unit
				Min	Typ <mark>[1]</mark>	Max	Min	Max	
t <sub>pd</sub>	propagation delay	A, B to Y; see Figure 8	[2]						
		$V_{CC}$ = 1.65 V to 1.95 V		1.0	3.3	8.0	1.0	10.5	ns
		$V_{CC}$ = 2.3 V to 2.7 V		0.5	2.2	5.5	0.5	7.0	ns
		$V_{CC} = 2.7 V$		0.5	2.6	5.8	0.5	7.5	ns
		$V_{CC}$ = 3.0 V to 3.6 V		0.5	2.2	4.7	0.5	6.0	ns
		$V_{CC}$ = 4.5 V to 5.5 V		0.5	1.8	4.0	0.5	5.5	ns
C <sub>PD</sub>	power dissipation capacitance	$V_1 = GND \text{ to } V_{CC};$ $V_{CC} = 3.3 \text{ V}$	<u>[3]</u>	-	14	-	-	-	pF

[1] Typical values are measured at  $T_{amb}$  = 25 °C and  $V_{CC}$  = 1.8 V, 2.5 V, 2.7 V, 3.3 V and 5.0 V respectively.

[2]  $t_{pd}$  is the same as  $t_{PLH}$  and  $t_{PHL}$ .

[3]  $C_{PD}$  is used to determine the dynamic power dissipation (P<sub>D</sub> in  $\mu$ W).

 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \sum (C_L \times V_{CC}^2 \times f_o)$  where:

 $f_i$  = input frequency in MHz;

 $f_o = output frequency in MHz;$ 

 $C_L$  = output load capacitance in pF;

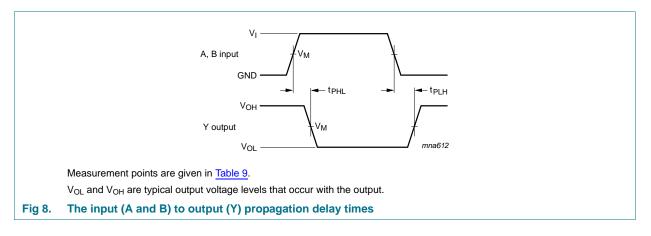
V<sub>CC</sub> = supply voltage in V;

N = number of inputs switching;

 $\Sigma(C_L \times V_{CC}{}^2 \times f_o)$  = sum of outputs.



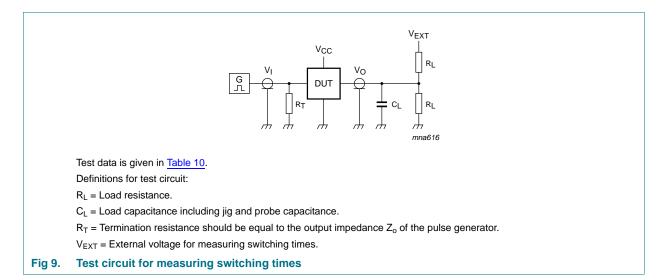
## 12. Waveforms



#### Table 9.Measurement points

Supply voltage	Input	Output	
V <sub>CC</sub>	V <sub>M</sub>	V <sub>M</sub>	
1.65 V to 1.95 V	0.5V <sub>CC</sub>	0.5V <sub>CC</sub>	
2.3 V to 2.7 V	0.5V <sub>CC</sub>	0.5V <sub>CC</sub>	
2.7 V	1.5 V	1.5 V	
3.0 V to 3.6 V	1.5 V	1.5 V	
4.5 V to 5.5 V	0.5V <sub>CC</sub>	0.5V <sub>CC</sub>	

#### Single 2-input NAND gate

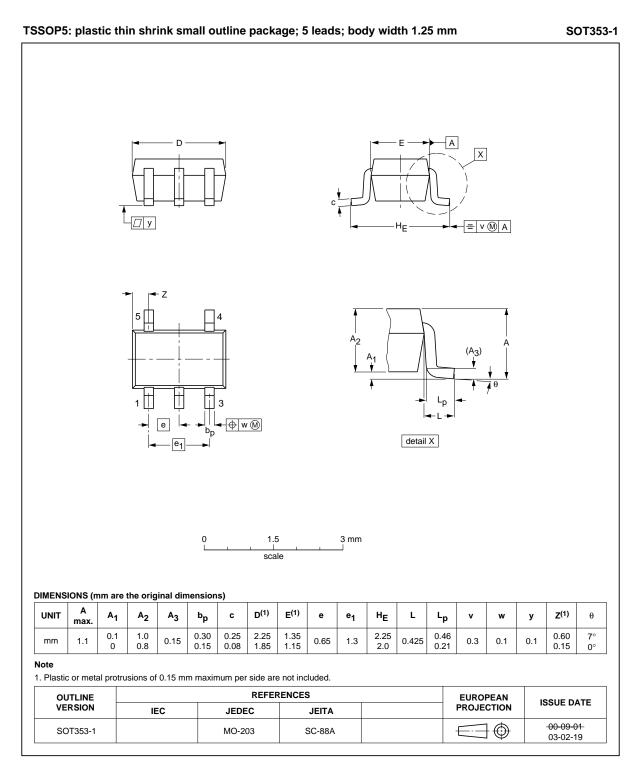


#### Table 10. Test data

Supply voltage	Input		Load		V <sub>EXT</sub>
V <sub>CC</sub>	VI	$t_r = t_f$	CL	RL	t <sub>PLH</sub> , t <sub>PHL</sub>
1.65 V to 1.95 V	V <sub>CC</sub>	$\leq$ 2.0 ns	30 pF	1 kΩ	open
2.3 V to 2.7 V	V <sub>CC</sub>	$\leq$ 2.0 ns	30 pF	500 Ω	open
2.7 V	2.7 V	$\leq$ 2.5 ns	50 pF	500 Ω	open
3.0 V to 3.6 V	2.7 V	$\leq$ 2.5 ns	50 pF	500 Ω	open
4.5 V to 5.5 V	V <sub>CC</sub>	$\leq$ 2.5 ns	50 pF	500 Ω	open



## 13. Package outline



#### Fig 10. Package outline SOT353-1 (TSSOP5)

74LVC1G00 Product data sheet

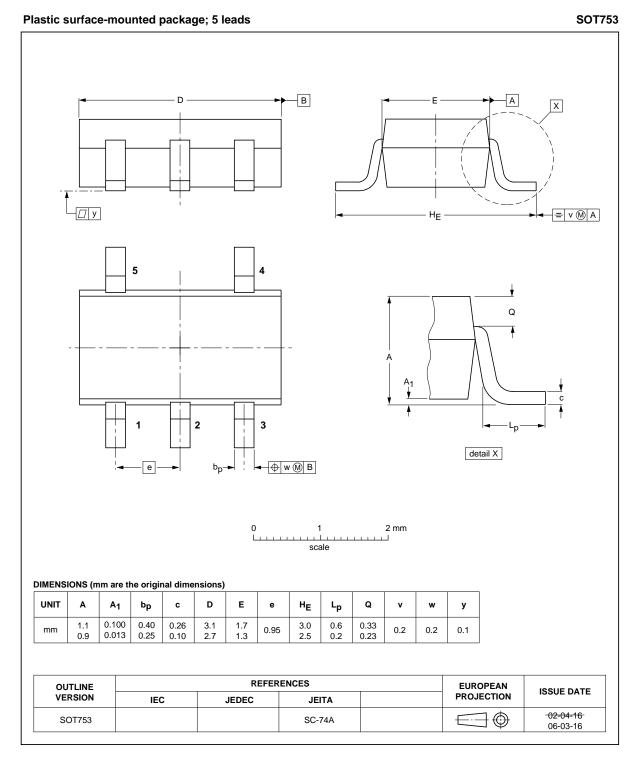
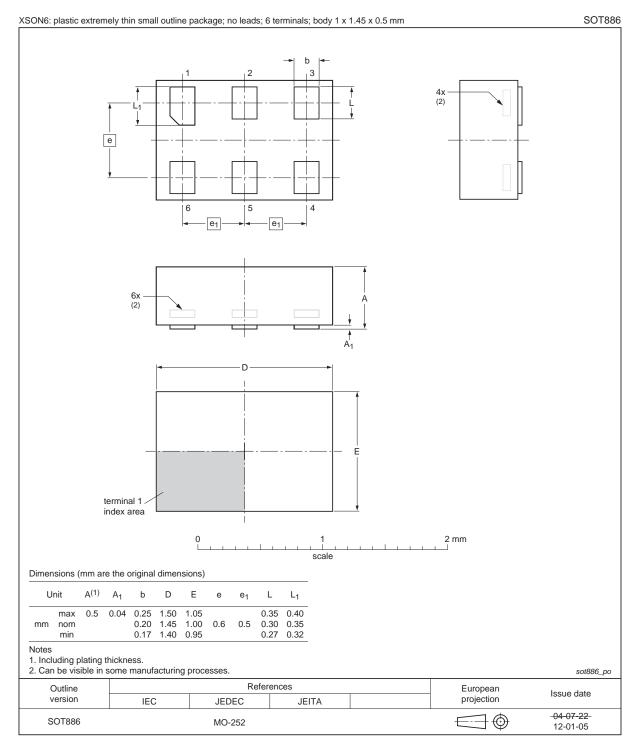


Fig 11. Package outline SOT753 (SC-74A)

74LVC1G00 Product data sheet

All information provided in this document is subject to legal disclaimers. Rev. 10 — 2 July 2012

Single 2-input NAND gate

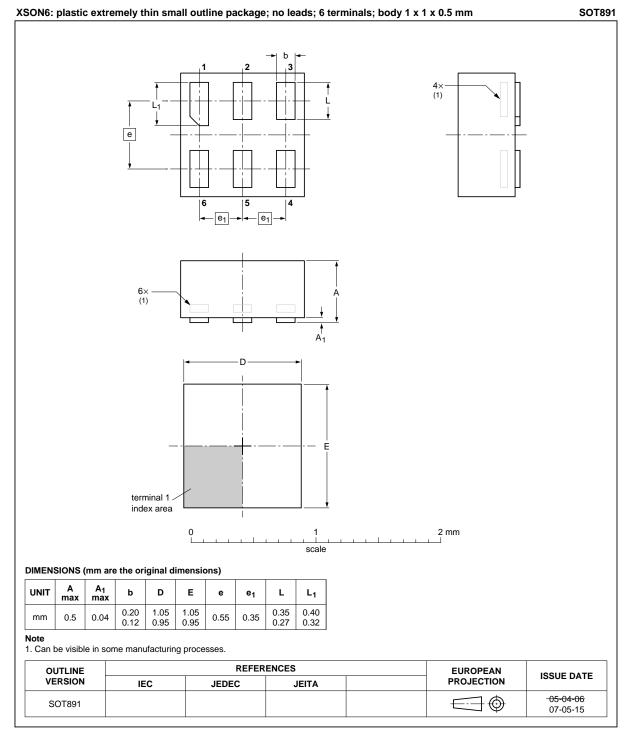


#### Fig 12. Package outline SOT886 (XSON6)

 74LVC1G00
 All information provided in this document is subject to legal disclaimers.
 © NXP B.V. 2012. All rights reserved.

 Product data sheet
 Rev. 10 - 2 July 2012
 11 of 19



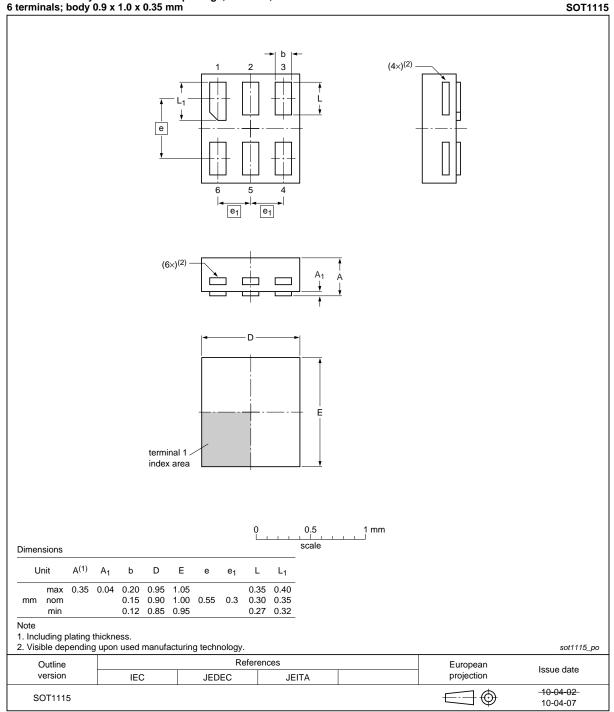


#### Fig 13. Package outline SOT891 (XSON6)

74LVC1G00 Product data sheet

All information provided in this document is subject to legal disclaimers. Rev. 10 — 2 July 2012



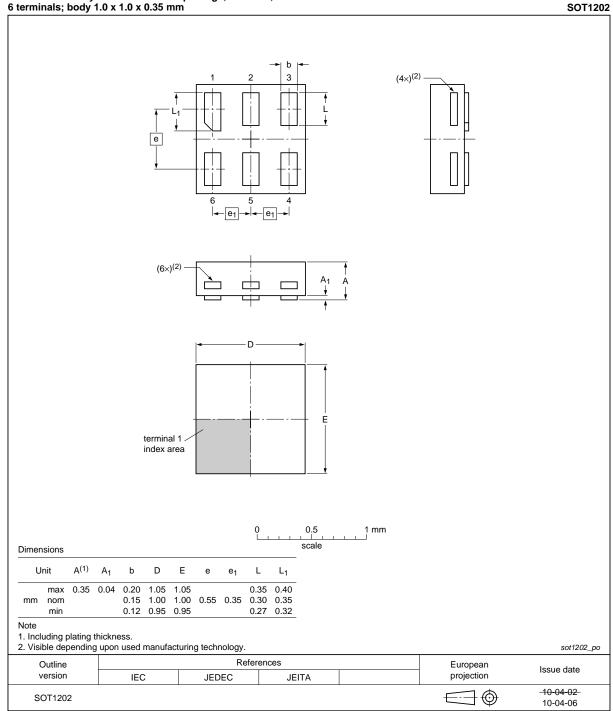


## XSON6: extremely thin small outline package; no leads; 6 terminals; body 0.9 x 1.0 x 0.35 mm

Fig 14. Package outline SOT1115 (XSON6)

74LVC1G00 **Product data sheet**  All information provided in this document is subject to legal disclaimers. Rev. 10 - 2 July 2012



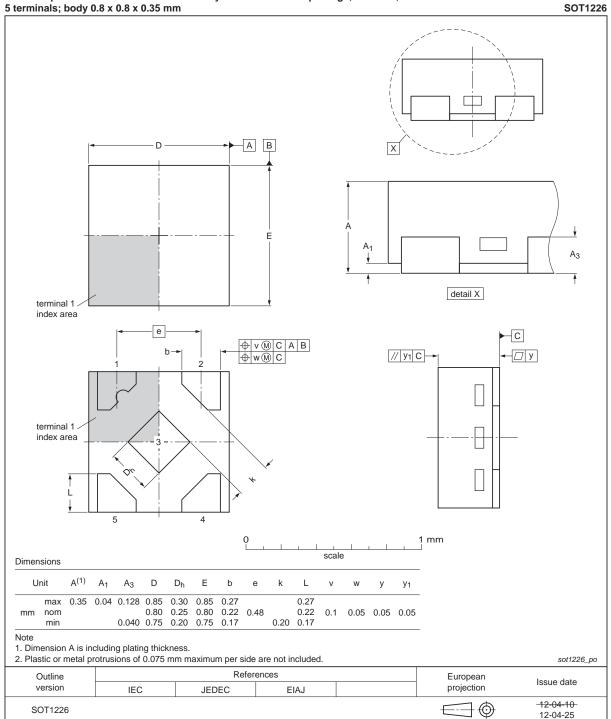


XSON6: extremely thin small outline package; no leads; 6 terminals; body 1.0 x 1.0 x 0.35 mm

#### Fig 15. Package outline SOT1202 (XSON6)

74LVC1G00 **Product data sheet**  All information provided in this document is subject to legal disclaimers. Rev. 10 - 2 July 2012





X2SON5: plastic thermal enhanced extremely thin small outline package; no leads;

#### Fig 16. Package outline SOT1226 (X2SON5)

74LVC1G00 All information provided in this document is subject to legal disclaimers. © NXP B.V. 2012. All rights reserved.

Product data sheet



## 14. Abbreviations

Acronym CMOS DUT ESD	Description Complementary Metal Oxide Semiconductor
DUT	Complementary Metal Oxide Semiconductor
ESD	Device Under Test
200	ElectroStatic Discharge
HBM	Human Body Model
MM	Machine Model
TTL	Transistor-Transistor Logic

## 15. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74LVC1G00 v.10	20120702	Product data sheet	-	74LVC1G00 v.9
Modifications:	<ul> <li>Added type</li> </ul>	number 74LVC1G00GX (SC	DT1226)	
	<ul> <li>Package ou</li> </ul>	utline drawing of SOT886 (Fi	gure 12) modified.	
74LVC1G00 v.9	20111207	Product data sheet	-	74LVC1G00 v.8
Modifications:	<ul> <li>Legal page</li> </ul>	s updated.		
74LVC1G00 v.8	20101020	Product data sheet	-	74LVC1G00 v.7
74LVC1G00 v.7	20070717	Product data sheet	-	74LVC1G00 v.6
74LVC1G00 v.6	20060915	Product data sheet	-	74LVC1G00 v.5
74LVC1G00 v.5	20040907	Product specification	-	74LVC1G00 v.4
74LVC1G00 v.4	20021115	Product specification	-	74LVC1G00 v.3
74LVC1G00 v.3	20020515	Product specification	-	74LVC1G00 v.2
74LVC1G00 v.2	20010405	Product specification	-	74LVC1G00 v.1
74LVC1G00 v.1	20001108	Product specification	-	-

## 16. Legal information

#### 16.1 Data sheet status

Document status[1][2]	Product status <sup>[3]</sup>	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

[1] Please consult the most recently issued document before initiating or completing a design.

[2] The term 'short data sheet' is explained in section "Definitions".

[3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the Internet at URL http://www.nxp.com.

#### 16.2 Definitions

Draft — The document is a draft version only. The content is still under internal review and subject to formal approval, which may result in modifications or additions. NXP Semiconductors does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

Short data sheet — A short data sheet is an extract from a full data sheet with the same product type number(s) and title. A short data sheet is intended for quick reference only and should not be relied upon to contain detailed and full information. For detailed and full information see the relevant full data sheet, which is available on request via the local NXP Semiconductors sales office. In case of any inconsistency or conflict with the short data sheet, the full data sheet shall prevail.

Product specification — The information and data provided in a Product data sheet shall define the specification of the product as agreed between NXP Semiconductors and its customer, unless NXP Semiconductors and customer have explicitly agreed otherwise in writing. In no event however, shall an agreement be valid in which the NXP Semiconductors product is deemed to offer functions and qualities beyond those described in the Product data sheet.

### 16.3 Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, NXP Semiconductors does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. NXP Semiconductors takes no responsibility for the content in this document if provided by an information source outside of NXP Semiconductors.

In no event shall NXP Semiconductors be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, NXP Semiconductors' aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the *Terms and conditions of commercial sale* of NXP Semiconductors.

**Right to make changes** — NXP Semiconductors reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

Suitability for use — NXP Semiconductors products are not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical systems or equipment, nor in applications where failure or malfunction of an NXP Semiconductors product can reasonably be expected to result in personal injury, death or severe property or environmental damage. NXP Semiconductors and its suppliers accept no liability for inclusion and/or use of NXP Semiconductors products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.

Applications — Applications that are described herein for any of these products are for illustrative purposes only. NXP Semiconductors makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Customers are responsible for the design and operation of their applications and products using NXP Semiconductors products, and NXP Semiconductors accepts no liability for any assistance with applications or customer product design. It is customer's sole responsibility to determine whether the NXP Semiconductors product is suitable and fit for the customer's applications and products planned, as well as for the planned application and use of customer's third party customer(s). Customers should provide appropriate design and operating safeguards to minimize the risks associated with their applications and products.

NXP Semiconductors does not accept any liability related to any default, damage, costs or problem which is based on any weakness or default in the customer's applications or products, or the application or use by customer's third party customer(s). Customer is responsible for doing all necessary testing for the customer's applications and products using NXP Semiconductors products in order to avoid a default of the applications and the products or of the application or use by customer's third party customer(s). NXP does not accept any liability in this respect.

Limiting values — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) will cause permanent damage to the device. Limiting values are stress ratings only and (proper) operation of the device at these or any other conditions above those given in the Recommended operating conditions section (if present) or the Characteristics sections of this document is not warranted. Constant or repeated exposure to limiting values will permanently and irreversibly affect the quality and reliability of the device.

Terms and conditions of commercial sale — NXP Semiconductors products are sold subject to the general terms and conditions of commercial sale, as published at <a href="http://www.nxp.com/profile/terms">http://www.nxp.com/profile/terms</a>, unless otherwise agreed in a valid written individual agreement. In case an individual agreement is concluded only the terms and conditions of the respective agreement shall apply. NXP Semiconductors hereby expressly objects to applying the customer's general terms and conditions with regard to the purchase of NXP Semiconductors products by customer.

No offer to sell or license — Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.

74LVC1G00 Product data sheet All information provided in this document is subject to legal disclaimers. Rev. 10 — 2 July 2012

© NXP B.V. 2012. All rights reserved. 17 of 19

#### Single 2-input NAND gate

**Export control** — This document as well as the item(s) described herein may be subject to export control regulations. Export might require a prior authorization from competent authorities.

Non-automotive qualified products — Unless this data sheet expressly states that this specific NXP Semiconductors product is automotive qualified, the product is not suitable for automotive use. It is neither qualified nor tested in accordance with automotive testing or application requirements. NXP Semiconductors accepts no liability for inclusion and/or use of non-automotive qualified products in automotive equipment or applications.

In the event that customer uses the product for design-in and use in automotive applications to automotive specifications and standards, customer (a) shall use the product without NXP Semiconductors' warranty of the product for such automotive applications, use and specifications, and (b) whenever customer uses the product for automotive applications beyond NXP Semiconductors' specifications such use shall be solely at customer's own risk, and (c) customer fully indemnifies NXP Semiconductors for any liability, damages or failed product claims resulting from customer design and use of the product for automotive applications beyond NXP Semiconductors' standard warranty and NXP Semiconductors' product specifications.

**Translations** — A non-English (translated) version of a document is for reference only. The English version shall prevail in case of any discrepancy between the translated and English versions.

#### 16.4 Trademarks

Notice: All referenced brands, product names, service names and trademarks are the property of their respective owners.

## **17. Contact information**

For more information, please visit: <u>http://www.nxp.com</u>

For sales office addresses, please send an email to: salesaddresses@nxp.com

## **18. Contents**

1	General description 1
2	Features and benefits 1
3	Ordering information 2
4	Marking 2
5	Functional diagram 2
6	Pinning information 3
6.1 6.2	Pinning         3           Pin description         3
7	Functional description 4
8	Limiting values 4
9	Recommended operating conditions 5
10	Static characteristics 5
11	Dynamic characteristics 6
12	Waveforms 7
13	Package outline 9
14	Abbreviations 16
15	Revision history 16
16	Legal information 17
16.1	Data sheet status 17
16.2	Definitions 17
16.3	Disclaimers
16.4	Trademarks 18
17	Contact information 18
18	Contents 19

Please be aware that important notices concerning this document and the product(s) described herein, have been included in section 'Legal information'.

#### © NXP B.V. 2012.

All rights reserved.

For more information, please visit: http://www.nxp.com For sales office addresses, please send an email to: salesaddresses@nxp.com

Date of release: 2 July 2012 Document identifier: 74LVC1G00