

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









Important notice

Dear Customer,

On 7 February 2017 the former NXP Standard Product business became a new company with the tradename **Nexperia**. Nexperia is an industry leading supplier of Discrete, Logic and PowerMOS semiconductors with its focus on the automotive, industrial, computing, consumer and wearable application markets

In data sheets and application notes which still contain NXP or Philips Semiconductors references, use the references to Nexperia, as shown below.

Instead of http://www.nxp.com, http://www.nxp.com, http://www.nexperia.com, http://www.nexperia.com)

Instead of sales.addresses@www.nxp.com or sales.addresses@www.semiconductors.philips.com, use salesaddresses@nexperia.com (email)

Replace the copyright notice at the bottom of each page or elsewhere in the document, depending on the version, as shown below:

- © NXP N.V. (year). All rights reserved or © Koninklijke Philips Electronics N.V. (year). All rights reserved

Should be replaced with:

- © Nexperia B.V. (year). All rights reserved.

If you have any questions related to the data sheet, please contact our nearest sales office via e-mail or telephone (details via **salesaddresses@nexperia.com**). Thank you for your cooperation and understanding,

Kind regards,

Team Nexperia

74HC2G00; 74HCT2G00

Dual 2-input NAND gate

Rev. 5 — 26 September 2013

Product data sheet

1. General description

The 74HC2G00; 74HCT2G00 is a dual 2-input NAND gate. Inputs include clamp diodes. This enables the use of current limiting resistors to interface inputs to voltages in excess of V_{CC} .

2. Features and benefits

- Wide supply voltage range from 2.0 V to 6.0 V
- Input levels:
 - ♦ For 74HC2G00: CMOS level
 - ♦ For 74HCT2G00: TTL level
- Symmetrical output impedance
- High noise immunity
- Low power dissipation
- Balanced propagation delays
- Multiple package options
- ESD protection:
 - ◆ HBM JESD22-A114E 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 information

Type number	Package							
	Temperature range	Name	Description	Version				
74HC2G00DP	-40 °C to +125 °C	TSSOP8	process and commercial processes, a reside,					
74HCT2G00DP			body width 3 mm; lead length 0.5 mm					
74HC2G00DC	-40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads;	SOT765-1				
74HCT2G00DC			body width 2.3 mm					
74HC2G00GD	-40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads;	SOT996-2				
74HCT2G00GD			8 terminals; body $3 \times 2 \times 0.5 \text{ mm}$					



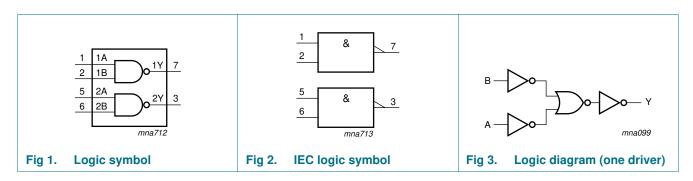
4. Marking

Table 2. Marking code

Type number	Marking code ^[1]
74HC2G00DP	H00
74HCT2G00DP	T00
74HC2G00DC	H00
74HCT2G00DC	T00
74HC2G00GD	H00
74HCT2G00GD	T00

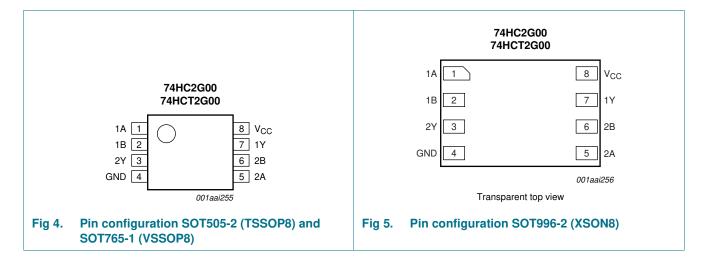
^[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information

6.1 Pinning



6.2 Pin description

Table 3. Pin description

Symbol	Pin	Description
1A, 2A	1, 5	data input
1B, 2B	2, 6	data input
GND	4	ground (0 V)
1Y, 2Y	7, 3	data output
V _{CC}	8	supply voltage

7. Functional description

Table 4. Function table[1]

Input		Output
nA	nB	nY
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	Max	Unit
V_{CC}	supply voltage		-0.5	+7.0	V
I _{IK}	input clamping current	$V_I < -0.5 \text{ V or } V_I > V_{CC} + 0.5 \text{ V}$	[1] -	±20	mA
I _{OK}	output clamping current	$V_O < -0.5 \; V \; \text{or} \; V_O > V_{CC} + 0.5 \; V$	[1] -	±20	mA
I _O	output current	$V_O = -0.5 \text{ V to } (V_{CC} + 0.5 \text{ V})$	[1] -	25	mA
I _{CC}	supply current		[1] -	50	mA
I _{GND}	ground current		<u>[1]</u> –50	-	mA
T _{stg}	storage temperature		–65	+150	°C
P_D	dynamic power dissipation	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$	[2] -	300	mW

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

^[2] For TSSOP8 package: above 55 °C the value of P_{tot} derates linearly with 2.5 mW/K. For VSSOP8 package: above 110 °C the value of P_{tot} derates linearly with 8 mW/K. For XSON8 package: above 45 °C the value of P_{tot} derates linearly with 2.4 mW/K.

9. Recommended operating conditions

Table 6. Recommended operating conditions

Voltages are referenced to GND (ground = 0 V).

Symbol	ymbol Parameter Conditions		74HC2G00		74HCT2G00			Unit	
			Min	Тур	Max	Min	Тур	Max	
V_{CC}	supply voltage		2.0	5.0	6.0	4.5	5.0	5.5	V
VI	input voltage		0	-	V_{CC}	0	-	V_{CC}	V
V _O	output voltage		0	-	V_{CC}	0	-	V_{CC}	V
T _{amb}	ambient temperature		-40	+25	+125	-40	+25	+125	°C
$\Delta t/\Delta V$	input transition rise	$V_{CC} = 2.0 \text{ V}$	-	-	625	-	-	-	ns/V
	and fall rate	$V_{CC} = 4.5 \text{ V}$	-	1.67	139	-	1.67	139	ns/V
		$V_{CC} = 6.0 \text{ V}$	-	-	83	-	-	-	ns/V

10. Static characteristics

Table 7. Static characteristics

Voltages are referenced to GND (ground = 0 V). All typical values are measured at T_{amb} = 25 °C.

Symbol	Parameter	Conditions	-40	°C to +8	35 °C	–40 °C t	to +125 °C	Unit
				Тур	Max	Min	Max	
74HC2G0	0							
V _{IH}	HIGH-level input	$V_{CC} = 2.0 \text{ V}$	1.5	1.2	-	1.5	-	V
	voltage	V _{CC} = 4.5 V	3.15	2.4	-	3.15	-	V
		$V_{CC} = 6.0 \text{ V}$	4.2	3.2	-	4.2	-	V
V_{IL}	LOW-level input	$V_{CC} = 2.0 \text{ V}$	-	8.0	0.5	-	0.5	V
	voltage	$V_{CC} = 4.5 \text{ V}$	-	2.1	1.35	-	1.35	V
		$V_{CC} = 6.0 \text{ V}$	-	2.8	1.8	-	1.8	V
V_{OH}	HIGH-level output voltage	$V_I = V_{IH}$ or V_{IL}						
		$I_O = -20 \mu A$; $V_{CC} = 2.0 V$	1.9	2.0	-	1.9	-	V
		$I_O = -20 \mu A; V_{CC} = 4.5 V$	4.4	4.5	-	4.4	-	V
		$I_O = -20 \mu A; V_{CC} = 6.0 V$	5.9	6.0	-	5.9	-	V
		$I_{O} = -4.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	4.13	4.32	-	3.7	-	V
		$I_{O} = -5.2 \text{ mA}; V_{CC} = 6.0 \text{ V}$	5.63	5.81	-	5.2	-	V
V_{OL}	LOW-level output	$V_I = V_{IH}$ or V_{IL}						
	voltage	$I_O = 20 \mu A; V_{CC} = 2.0 V$	-	0	0.1	-	0.1	V
		$I_O=20~\mu A;~V_{CC}=4.5~V$	-	0	0.1	-	0.1	V
		$I_O=20~\mu A;~V_{CC}=6.0~V$	-	0	0.1	-	0.1	V
		$I_O = 4.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	0.15	0.33	-	0.4	V
		$I_O = 5.2 \text{ mA}; V_{CC} = 6.0 \text{ V}$	-	0.16	0.33	-	0.4	V
lı	input leakage current	$V_I = V_{CC}$ or GND; $V_{CC} = 6.0 \text{ V}$	-	-	±1.0	-	±1.0	μΑ
I _{CC}	supply current	per input pin; $V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 6.0$ V	-	-	10	-	20	μΑ
C _I	input capacitance		-	1.5	-	-	-	pF

 Table 7.
 Static characteristics ...continued

Voltages are referenced to GND (ground = 0 V). All typical values are measured at T_{amb} = 25 °C.

Symbol	Parameter	Conditions	-40	°C to +8	35 °C	–40 °C to +125 °C		Unit
			Min	Тур	Max	Min	Max	
74HCT2G	i00							
V _{IH}	HIGH-level input voltage	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	2.0	1.6	-	2.0	-	V
V_{IL}	LOW-level input voltage	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	-	1.2	0.8	-	8.0	V
V_{OH}	HIGH-level output	$V_I = V_{IH}$ or V_{IL}						
	voltage	$I_O = -20 \mu A; V_{CC} = 4.5 V$	4.4	4.5	-	4.4	-	V
		$I_{O} = -4.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	4.13	4.32	-	3.7	-	V
V_{OL}	LOW-level output	$V_I = V_{IH}$ or V_{IL}						
	voltage	$I_O = 20 \mu A; V_{CC} = 4.5 V$	-	0	0.1	-	0.1	V
		$I_O = 4.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	0.15	0.33	-	0.4	V
l _l	input leakage current	$V_I = V_{CC}$ or GND; $V_{CC} = 5.5 \text{ V}$	-	-	±1.0	-	±1.0	μА
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 5.5 \text{ V}$	-	-	10	-	20	μΑ
ΔI_{CC}	additional supply current	per input; $V_{CC} = 4.5 \text{ V to } 5.5 \text{ V};$ $V_I = V_{CC} - 2.1 \text{ V};$ $I_O = 0 \text{ A}$	-	-	375	-	410	μΑ
Cı	input capacitance		-	1.5	-	-	-	рF

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); all typical values are measured at T_{amb} = 25 °C; for test circuit see Figure 7.

Symbol	Parameter	Conditions		-40	°C to +8	5 °C	-40 °C to +125 °C		Unit
				Min	Тур	Max	Min	Max	
74HC2G	00		·						
t _{pd}	propagation delay	nA and nB to nY; see Figure 6	[1]						
		V _{CC} = 2.0 V		-	25	95	-	110	ns
		V _{CC} = 4.5 V		-	9	19	-	22	ns
		V _{CC} = 6.0 V		-	7	16	-	20	ns
t _t	transition time	see Figure 6	[2]						
		V _{CC} = 2.0 V		-	18	95	-	125	ns
		V _{CC} = 4.5 V		-	6	19	-	25	ns
		$V_{CC} = 6.0 \text{ V}$		-	5	16	-	20	ns
C_{PD}	power dissipation capacitance	$V_I = GND \text{ to } V_{CC}$	[3]	-	10	-	-	-	pF

 Table 8.
 Dynamic characteristics ...continued

Voltages are referenced to GND (ground = 0 V); all typical values are measured at T_{amb} = 25 °C; for test circuit see <u>Figure 7</u>.

Symbol	Parameter	Conditions		–40 °C to +85 °C			-40 °C t	-40 °C to +125 °C	
				Min	Тур	Max	Min	Max	
74HCT20	G00				'	'	'		•
t _{pd}	propagation delay	nA and nB to nY; see Figure 6	[1]						
		$V_{CC} = 4.5 \text{ V}$		-	12	24	-	29	ns
t _t	transition time	V _{CC} = 4.5 V; see Figure 6	[2]	-	6	19	-	22	ns
C_{PD}	power dissipation capacitance	V_I = GND to V_{CC} – 1.5 V	[3]	-	10	-	-	-	pF

- [1] t_{pd} is the same as t_{PLH} and t_{PHL} .
- [2] t_t is the same as t_{TLH} and t_{THL} .
- [3] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

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

 f_i = input frequency in MHz;

f_o = output frequency in MHz;

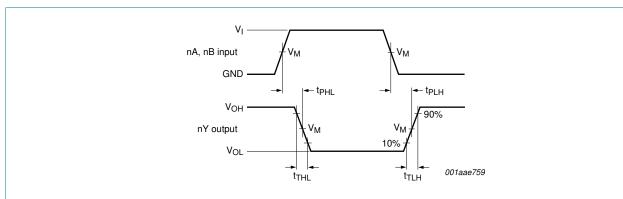
C_I = output load capacitance in pF;

V_{CC} = supply voltage in V;

N = number of inputs switching;

 $\Sigma(C_L \times V_{CC}^2 \times f_0)$ = sum of outputs.

12. Waveforms



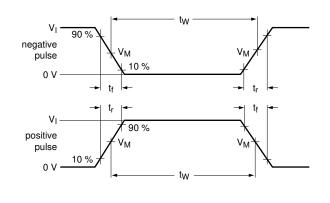
Measurement points are given in Table 9.

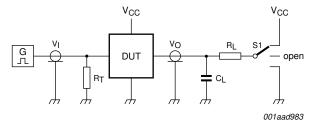
 $\ensuremath{V_{OL}}$ and $\ensuremath{V_{OH}}$ are typical output voltage levels that occur with the output load.

Fig 6. Propagation delay data input (nA, nB) to data output (nY) and transition time output (nY)

Table 9. Measurement points

Туре	Input	Output
	V _M	V _M
74HC2G00	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$
74HCT2G00	1.3 V	1.3 V





Test data is given in Table 10.

Definitions for test circuit:

 R_T = Termination resistance should be equal to output impedance Z_o of the pulse generator.

 C_L = Load capacitance including jig and probe capacitance.

R_L = Load resistance.

S1 = Test selection switch.

Fig 7. Load circuit for measuring switching times

Table 10. Test data

Туре	Input		Load		S1 position
	V _I	t _r , t _f	C _L	R _L	t _{PHL} , t _{PLH}
74HC2G00	V _{CC}	≤ 6 ns	50 pF	1 kΩ	open
74HCT2G00	3 V	≤ 6 ns	50 pF	1 kΩ	open

13. Package outline

TSSOP8: plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm SOT505-2

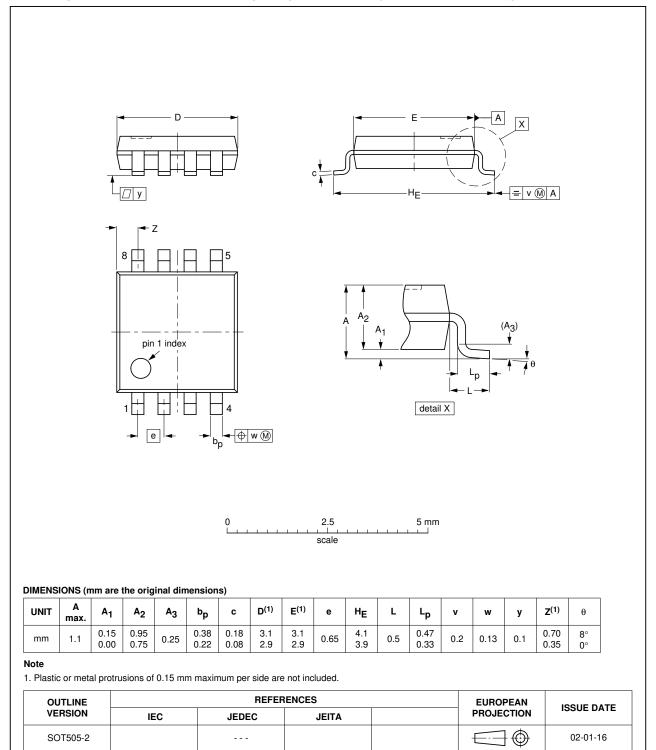


Fig 8. Package outline SOT505-2 (TSSOP8)

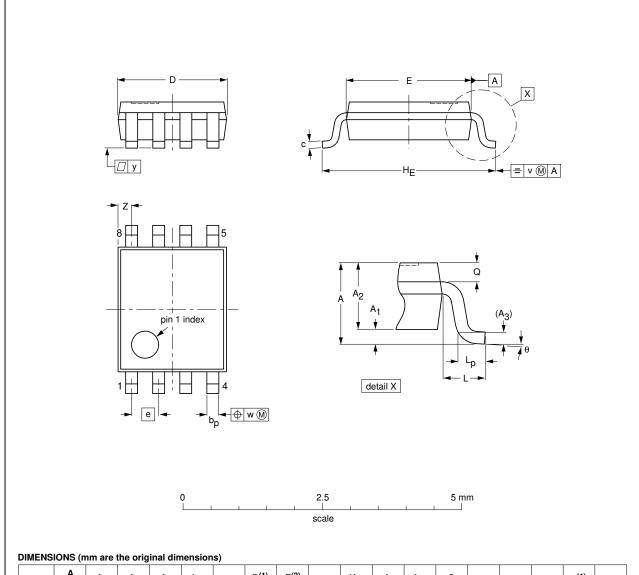
74HC_HCT2G00

All information provided in this document is subject to legal disclaimers.

© NXP B.V. 2013. All rights reserved.

VSSOP8: plastic very thin shrink small outline package; 8 leads; body width 2.3 mm

SOT765-1



UNIT	A max.	A ₁	A ₂	А3	bp	С	D ⁽¹⁾	E ⁽²⁾	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
mm	1	0.15 0.00	0.85 0.60	0.12	0.27 0.17	0.23 0.08	2.1 1.9	2.4 2.2	0.5	3.2 3.0	0.4	0.40 0.15	0.21 0.19	0.2	0.13	0.1	0.4 0.1	8° 0°

Notes

Plastic or metal protrusions of 0.15 mm maximum per side are not included.
 Plastic or metal protrusions of 0.25 mm maximum per side are not included.

	OUTLINE		REFER	EUROPEAN	ISSUE DATE			
	VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE	
	SOT765-1		MO-187				02-06-07	
_			•		•			

Fig 9. Package outline SOT765-1 (VSSOP8)

74HC_HCT2G00

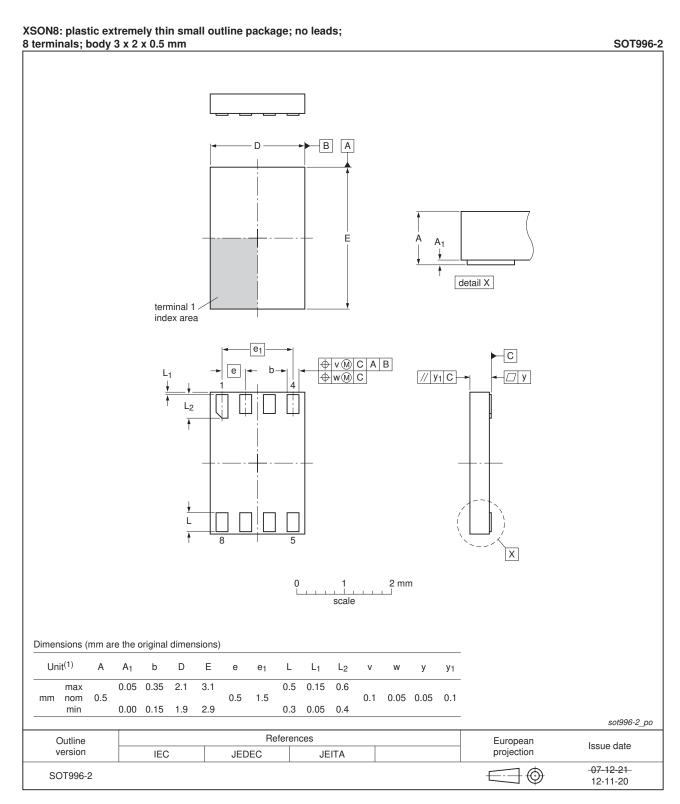


Fig 10. Package outline SOT996-2 (XSON8)

74HC_HCT2G00

All information provided in this document is subject to legal disclaimers.

© NXP B.V. 2013. All rights reserved.

14. Abbreviations

Table 11. Abbreviations

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

15. Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74HC_HCT2G00 v.5	20130926	Product data sheet	-	74HC_HCT2G00 v.4
Modifications:	 For type nu 	mbers 74HC2G00GD and 7	74HCT2G00GD XSON8	U has changed to XSON8.
74HC_HCT2G00 v.4	20080703	Product data sheet	-	74HC_HCT2G00 v.3
74HC_HCT2G00 v.3	20060405	Product data sheet	-	74HC_HCT2G00 v.2
74HC_HCT2G00 v.2	20030212	Product specification	-	74HC_HCT2G00 v.1
74HC_HCT2G00 v.1	20020710	Product specification	-	-

16. Legal information

16.1 Data sheet status

Document status[1][2]	Product status[3]	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 http://www.nxp.com/profile/terms, 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.

74HC_HCT2G00

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: http://www.nxp.com

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

18. Contents

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

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