74AHC1G126; 74AHCT1G126

Bus buffer/line driver; 3-state

Rev. 06 — 25 May 2007

Product data sheet

1. General description

74AHC1G126 and 74AHCT1G126 are high-speed Si-gate CMOS devices.

They provide one non-inverting buffer/line driver with 3-state output. The 3-state output is controlled by the output enable input pin (OE). A LOW at pin OE causes the output to assume a high-impedance OFF-state.

The AHC device has CMOS input switching levels and supply voltage range 2 V to 5.5 V.

The AHCT device has TTL input switching levels and supply voltage range 4.5 V to 5.5 V.

2. Features

- Symmetrical output impedance
- High noise immunity
- Low power dissipation
- Balanced propagation delays
- SOT353-1 and SOT753 package options
- ESD protection:
 - ◆ HBM JESD22-A114E: exceeds 2000 V
 - ◆ MM JESD22-A115-A: exceeds 200 V
 - ◆ CDM JESD22-C101C: exceeds 1000 V
- Specified from -40 °C to +125 °C

3. Ordering information

Table 1. Ordering information

Type number	Package							
	Temperature range Name		Description	Version				
74AHC1G126GW	–40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads;	SOT353-1				
74AHCT1G126GW			body width 1.25 mm					
74AHC1G126GV	–40 °C to +125 °C	SC-74A	plastic surface-mounted package; 5 leads	SOT753				
74AHCT1G126GV								

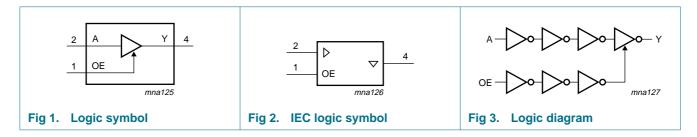


4. Marking

Table 2. Marking codes

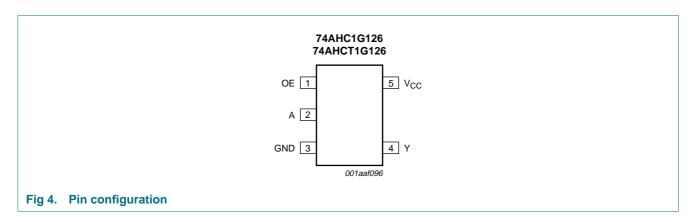
Type number	Marking
74AHC1G126GW	AN
74AHC1G126GV	A26
74AHCT1G126GW	CN
74AHCT1G126GV	C26

5. Functional diagram



6. Pinning information

6.1 Pinning



6.2 Pin description

Table 3. Pin description

Symbol	Pin	Description
OE	1	output enable input
A	2	data input A
GND	3	ground (0 V)
Υ	4	data output Y
V _{CC}	5	supply voltage

7. Functional description

Table 4. Function table

 $H = HIGH \text{ voltage level}; L = LOW \text{ voltage level}; X = don't \text{ care}; Z = high-impedance OFF-state}$

Input		Output
OE	A	Υ
Н	L	L
Н	Н	Н
L	X	Z

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).

Cumbal	Davamatav	Canditiana	R.4.:	May	11!4
Symbol	Parameter	Conditions	Min	Max	Unit
V_{CC}	supply voltage		-0.5	+7.0	V
V_{I}	input voltage		-0.5	+7.0	V
I_{IK}	input clamping current	$V_1 < -0.5 \text{ V}$	-20	-	mA
I _{OK}	output clamping current	V_{O} < -0.5 V or V_{O} > V_{CC} + 0.5 V	[1] _	±20	mA
I _O	output current	$-0.5 \text{ V} < \text{V}_{\text{O}} < \text{V}_{\text{CC}} + 0.5 \text{ V}$	-	±25	mA
I _{CC}	supply current		-	75	mA
I_{GND}	ground current		- 75	-	mA
T _{stg}	storage temperature		-65	+150	°C
P _{tot}	total power dissipation	T_{amb} = -40 °C to +125 °C	[2] _	250	mW

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

9. Recommended operating conditions

Table 6. Recommended operating conditions

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

Symbol	Parameter	Conditions	74	AHC1G1	26	74AHCT1G126			Unit
			Min	Тур	Max	Min	Тур	Max	
V_{CC}	supply voltage		2.0	5.0	5.5	4.5	5.0	5.5	V
V_{I}	input voltage		0	-	5.5	0	-	5.5	V
V_{O}	output voltage		0	-	V_{CC}	0	-	V_{CC}	V
T _{amb}	ambient temperature		-40	+25	+125	-40	+25	+125	°C
	input transition rise	V_{CC} = 3.3 V \pm 0.3 V	-	-	100	-	-	-	ns/V
	and fall rate	V_{CC} = 5.0 V \pm 0.5 V	-	-	20	-	-	20	ns/V

^[2] For both TSSOP5 and SC-74A packages: above 87.5 °C the value of Ptot derates linearly with 4.0 mW/K.

10. Static characteristics

Table 7. Static characteristics

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

Symbol	Parameter	Conditions		25 °C		-40 °C to +85 °C		-40 °C to +125 °C		Unit
			Min	Тур	Max	Min	Max	Min	Max	
For type	74AHC1G126	I								
V _{IH}	HIGH-level	V _{CC} = 2.0 V	1.5	-	-	1.5	-	1.5	-	V
	input voltage	V _{CC} = 3.0 V	2.1	-	-	2.1	-	2.1	-	V
		V _{CC} = 5.5 V	3.85	-	-	3.85	-	3.85	-	V
V _{IL}	LOW-level	V _{CC} = 2.0 V	-	-	0.5	-	0.5	-	0.5	V
	input voltage	V _{CC} = 3.0 V	-	-	0.9	-	0.9	-	0.9	V
		V _{CC} = 5.5 V	-	-	1.65	-	1.65	-	1.65	V
V _{OH}	HIGH-level	$V_I = V_{IH}$ or V_{IL}								
	output voltage	$I_{O} = -50 \mu A$; $V_{CC} = 2.0 \text{ V}$	1.9	2.0	-	1.9	-	1.9	-	V
		$I_{O} = -50 \mu\text{A}; V_{CC} = 3.0 \text{V}$	2.9	3.0	-	2.9	-	2.9	-	V
		$I_{O} = -50 \mu\text{A}; V_{CC} = 4.5 \text{V}$	4.4	4.5	-	4.4	-	4.4	-	V
		$I_O = -4.0 \text{ mA}$; $V_{CC} = 3.0 \text{ V}$	2.58	-	-	2.48	-	2.40	-	V
	$I_{O} = -8.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.94	-	-	3.8	-	3.70	-	V	
V _{OL} LOW-level		$V_I = V_{IH}$ or V_{IL}								
	output voltage	$I_O = 50 \mu A$; $V_{CC} = 2.0 \text{ V}$	-	0	0.1	-	0.1	-	0.1	V
		$I_O = 50 \mu A; V_{CC} = 3.0 \text{ V}$	-	0	0.1	-	0.1	-	0.1	V
		$I_O = 50 \mu A; V_{CC} = 4.5 V$	-	0	0.1	-	0.1	-	0.1	V
		$I_O = 4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.36	-	0.44	-	0.55	V
		$I_O = 8.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	-	0.36	-	0.44	-	0.55	V
l _{OZ}	OFF-state output current	$V_I = V_{IH}$ or V_{IL} ; $V_O = V_{CC}$ or GND; $V_{CC} = 5.5 \text{ V}$	-	-	±0.25	-	±2.5	-	±10	μΑ
II	input leakage current	V _I = 5.5 V or GND; V _{CC} = 0 V to 5.5 V	-	-	0.1	-	1.0	-	2.0	μΑ
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 5.5 \text{ V}$	-	-	2.0	-	20	-	40	μΑ
Cı	input capacitance		-	3	10	-	10	-	10	pF
For type	74AHCT1G126	3								
V _{IH}	HIGH-level input voltage	V _{CC} = 4.5 V to 5.5 V	2.0	-	-	2.0	-	2.0	-	V
V _{IL}	LOW-level input voltage	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	-	-	8.0	-	0.8	-	0.8	V
V _{OH} HIGH-level		$V_I = V_{IH}$ or V_{IL} ; $V_{CC} = 4.5 \text{ V}$								
	output voltage	$I_{O} = -50 \mu\text{A}$	4.4	4.5	-	4.4	-	4.4	-	V
		$I_{O} = -8.0 \text{ mA}$	3.94	-	-	3.8	-	3.70	-	V
V _{OL}	LOW-level	$V_I = V_{IH}$ or V_{IL} ; $V_{CC} = 4.5 \text{ V}$								
	output voltage	I _O = 50 μA	-	0	0.1	-	0.1	-	0.1	V
1 3		I _O = 8.0 mA	_		0.36	-	0.44	-	0.55	V

Table 7. Static characteristics ...continued Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions		25 °C		-40 °C 1	o +85 °C	-40 °C to +125 °C		Unit
			Min	Тур	Max	Min	Max	Min	Max	
I_{OZ}	OFF-state output current	$V_I = V_{IH}$ or V_{IL} ; $V_O = V_{CC}$ or GND; $V_{CC} = 5.5 \text{ V}$	-	-	±0.25	-	±2.5	-	±10	μΑ
II	input leakage current	$V_{I} = 5.5 \text{ V or GND};$ $V_{CC} = 0 \text{ V to 5.5 V}$	-	-	0.1	-	1.0	-	2.0	μΑ
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 5.5 \text{ V}$	-	-	2.0	-	20	-	40	μΑ
Δl _{CC}	additional supply current	per input pin; $V_I = V_{CC} - 2.1 \text{ V};$ other inputs at V_{CC} or GND; $I_O = 0 \text{ A};$ $V_{CC} = 4.5 \text{ V}$ to 5.5 V	-	-	1.35	-	1.5	-	1.5	mA
Cı	input capacitance		-	3	10	-	10	-	10	pF

11. Dynamic characteristics

Table 8. Dynamic characteristics

GND = 0 V; $t_r = t_f = \le 3.0$ ns. For test circuit see Figure 7.

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Symbol	Parameter	Conditions			25 °C		-40 °C	to +85 °C	-40 °C to +125 °C		Unit
$t_{pd} \begin{tabular}{lllllllllllllllllllllllllllllllllll$					Min	Тур	Max	Min	Max	Min	Max	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	For type	74AHC1G12	6					•				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	t _{pd}		A to Y; see Figure 5	<u>[1]</u>								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		delay	$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	[2]								
$V_{CC} = 4.5 \ V \ to \ 5.5 \ V \qquad \boxed{3}$ $C_L = 15 \ pF \qquad - \qquad 3.4 \qquad 5.5 \qquad 1.0 \qquad 6.5 \qquad 1.0 \qquad 7.0 \qquad ns$ $C_L = 50 \ pF \qquad - \qquad 4.7 \qquad 7.5 \qquad 1.0 \qquad 8.5 \qquad 1.0 \qquad 9.5 \qquad ns$ $t_{en} \qquad \text{enable time} \qquad \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$C_L = 15 pF$		-	4.4	8.0	1.0	9.5	1.0	10.0	ns
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$C_L = 50 pF$		-	6.3	11.5	1.0	13.0	1.0	14.5	ns
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	[3]								
$t_{en} \qquad \text{enable time} \qquad \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$C_L = 15 pF$		-	3.4	5.5	1.0	6.5	1.0	7.0	ns
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			$C_L = 50 pF$		-	4.7	7.5	1.0	8.5	1.0	9.5	ns
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	t _{en}	enable time	OE to Y; see Figure 6	<u>[1]</u>								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	[2]								
$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V} \qquad \begin{tabular}{c c c c c c c c c c c c c c c c c c c $			$C_{L} = 15 pF$		-	4.9	8.0	1.0	9.5	1.0	10.0	ns
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$C_L = 50 pF$		-	7.0	11.5	1.0	13.0	1.0	14.5	ns
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	[3]								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			C _L = 15 pF		-	3.6	5.6	1.0	6.3	1.0	7.0	ns
$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$ [2] $C_L = 15 \text{ pF}$ - 6.3 9.7 1.0 11.5 1.0 12.5 ns $C_L = 50 \text{ pF}$ - 9.0 13.2 1.0 15.0 1.0 16.5 ns			$C_L = 50 pF$		-	5.4	8.0	1.0	9.0	1.0	9.5	ns
$C_L = 15 \text{ pF}$ - 6.3 9.7 1.0 11.5 1.0 12.5 ns $C_L = 50 \text{ pF}$ - 9.0 13.2 1.0 15.0 1.0 16.5 ns	t _{dis}	disable time	OE to Y; see Figure 6	[1]								
$C_L = 50 \text{ pF}$ - 9.0 13.2 1.0 15.0 1.0 16.5 ns			$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	[2]								
			$C_L = 15 pF$		-	6.3	9.7	1.0	11.5	1.0	12.5	ns
V _{CC} = 4.5 V to 5.5 V [3]			$C_L = 50 \text{ pF}$		-	9.0	13.2	1.0	15.0	1.0	16.5	ns
			$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	[3]								
C _L = 15 pF - 4.3 6.8 1.0 8.0 1.0 8.5 ns			C _L = 15 pF		-	4.3	6.8	1.0	8.0	1.0	8.5	ns
$C_L = 50 \text{ pF}$ - 6.1 8.8 1.0 10.0 1.0 11.0 ns			$C_L = 50 pF$		-	6.1	8.8	1.0	10.0	1.0	11.0	ns
74AHC_AHCT1G126_6 © NXP B.V. 2007. All rights res	74AHC_AHCT10	G126_6								© N	(P B.V. 2007. All rigl	nts reserve

6 of 13

 Table 8.
 Dynamic characteristics ...continued

GND = 0 V; $t_r = t_f = \le 3.0$ ns. For test circuit see Figure 7.

Symbol	Parameter	Conditions			25 °C		-40 °C 1	to +85 °C	–40 °C t	o +125 °C	Unit
				Min	Тур	Max	Min	Max	Min	Max	
C_{PD}	power dissipation capacitance	per buffer; $C_L = 50 \text{ pF}$; $f = 1 \text{ MHz}$; $V_I = \text{GND to } V_{CC}$	<u>[4]</u>	-	9	-	-	-	-	-	pF
For type	74AHCT1G1	26									
t _{pd}	propagation	A to Y; see Figure 5	<u>[1]</u>								
	delay	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	[3]								
		C _L = 15 pF		-	3.4	5.5	1.0	6.5	1.0	7.0	ns
		$C_L = 50 pF$		-	4.7	7.5	1.0	8.5	1.0	9.5	ns
t _{en}	enable time	OE to Y; see Figure 6	<u>[1]</u>								
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	[3]								
		C _L = 15 pF		-	3.4	5.6	1.0	6.3	1.0	6.5	ns
		C _L = 50 pF		-	4.8	8.0	1.0	9.0	1.0	9.0	ns
t _{dis}	disable time	OE to Y; see Figure 6	<u>[1]</u>								
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	[3]								
		C _L = 15 pF			4.0	6.8	1.0	8.0	1.0	8.5	ns
		C _L = 50 pF			5.7	8.8	1.0	10.0	1.0	11.5	ns
C_{PD}	power dissipation capacitance	per buffer; $C_L = 50 \text{ pF}$; $f = 1 \text{ MHz}$; $V_I = \text{GND to } V_{CC}$	<u>[4]</u>	-	11	-	-	-	-	-	pF

- [1] t_{pd} is the same as t_{PLH} and t_{PHL} .
 - t_{en} is the same as t_{PZL} and $t_{\text{PZH}}.$
 - $t_{\mbox{\scriptsize dis}}$ is the same as $t_{\mbox{\scriptsize PLZ}}$ and $t_{\mbox{\scriptsize PHZ}}.$
- [2] Typical values are measured at V_{CC} = 3.3 V.
- [3] Typical values are measured at $V_{CC} = 5.0 \text{ V}$.
- [4] C_{PD} is used to determine the dynamic power dissipation P_D (μW).

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

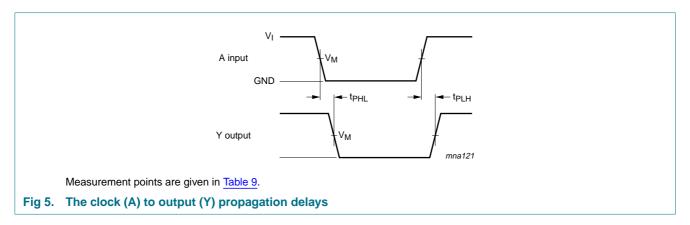
 f_i = input frequency in MHz;

 f_o = output frequency in MHz;

 C_L = output load capacitance in pF;

 V_{CC} = supply voltage in Volts.

12. Waveforms



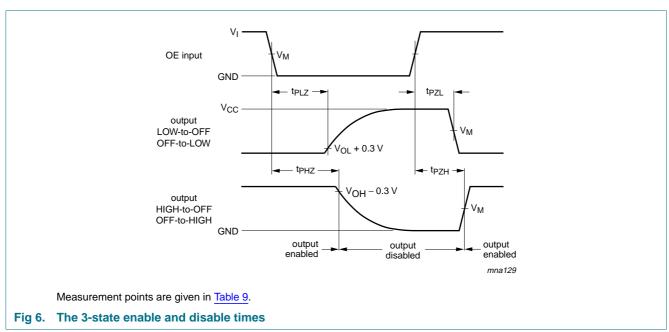
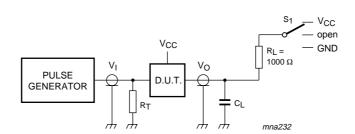


Table 9. Measurement points

Туре	Input	Output	
	V _M	V _I	V _M
74AHC1G126	$0.5 \times V_{CC}$	GND to V _{CC}	$0.5 \times V_{CC}$
74AHCT1G126	1.5 V	GND to 3.0 V	$0.5 \times V_{CC}$



For test data see Table 8. Definitions for test circuit:

C_L = Load capacitance including jig and probe capacitance.

R_L = Load resistance.

 R_T = Termination resistance should be equal to output impedance Z_0 of the pulse generator.

For t_{PLH} , t_{PHL} , $S_1 = open$

For t_{PLZ} , t_{PZL} , $S_1 = V_{CC}$

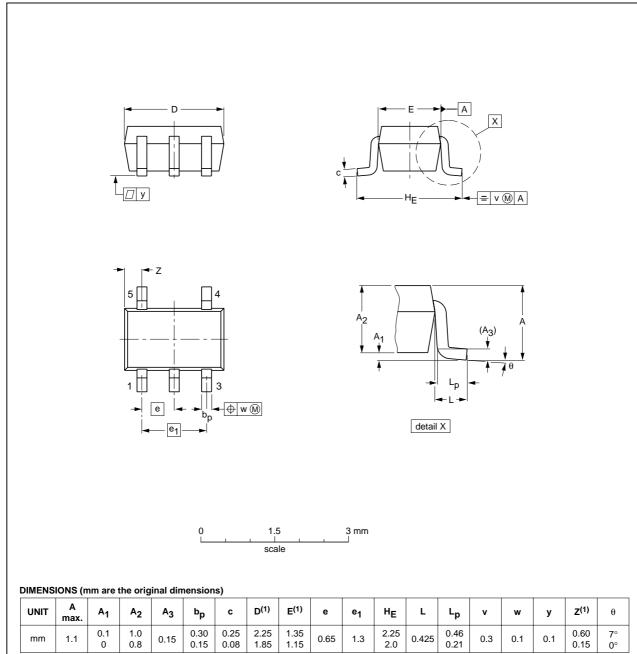
For t_{PHZ} , t_{PZH} , $S_1 = GND$

Fig 7. Load circuitry for switching times

13. Package outline

TSSOP5: plastic thin shrink small outline package; 5 leads; body width 1.25 mm

SOT353-1



Note

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

OUTLINE		REFER	ENCES	EUROPEAN	ISSUE DATE	
VERSION	IEC	JEDEC	JEITA	PROJECTION	ISSUE DATE	
SOT353-1		MO-203	SC-88A		00-09-01 03-02-19	

Fig 8. Package outline SOT353-1 (TSSOP5)

06-03-16

SOT753 Plastic surface-mounted package; 5 leads В Α Х = v M A 5 2 3 detail X **←** | w (M) B 2 mm **DIMENSIONS** (mm are the original dimensions) UNIT A₁ D Ε Α bp С Q v е ΗE Lp w у 0.100 0.40 0.26 0.33 1.1 3.1 1.7 3.0 0.6 0.95 0.2 0.1 0.2 0.013 0.10 0.9 **REFERENCES** EUROPEAN OUTLINE **ISSUE DATE PROJECTION VERSION** IEC **JEDEC** JEITA 02-04-16 SOT753 SC-74A

Fig 9. Package outline SOT753 (SC-74A)

14. Abbreviations

Table 10. Abbreviations

Acronym	Description
CDM	Charged Device Model
DUT	Device Under Test
ESD	ElectroStatic Discharge
HBM	Human Body Model
MM	Machine Model
TTL	Transistor-Transistor Logic

15. Revision history

Table 11. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74AHC_AHCT1G126_6	20070525	Product data sheet	-	74AHC_AHCT1G126_5
Modifications:	 Typos in or 	dering numbers correcte	d in <u>Table 1 "Ordering</u>	g information".
74AHC_AHCT1G126_5	20070514	Product data sheet	-	74AHC_AHCT1G126_4
Modifications:	 Package S 	OT353 changed to SOT3	353-1 in <u>Section 3</u> and	d Section 13.
	 Quick refer 	ence data and Soldering	sections removed.	
	Section 2 "	Features" updated.		
		of this data sheet has be of NXP Semiconductors.	_	mply with the new identity
	 Legal texts 	have been adapted to the	ne new company nam	e where appropriate.
74AHC_AHCT1G126_4	20020606	Product specification	-	74AHC_AHCT1G126_3
74AHC_AHCT1G126_3	20020215	Product specification	-	74AHC_AHCT1G126_2
74AHC_AHCT1G126_2	20010406	Product specification	-	74AHC1G_AHCT1G126_1
74AHC1G_AHCT1G126_1	19990920	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.

16.3 Disclaimers

General — 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.

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 medical, military, aircraft, space or life support equipment, nor in applications where failure or

malfunction of a NXP Semiconductors product can reasonably be expected to result in personal injury, death or severe property or environmental damage. NXP Semiconductors accepts 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.

Limiting values — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) may cause permanent damage to the device. Limiting values are stress ratings only and operation of the device at these or any other conditions above those given in the Characteristics sections of this document is not implied. Exposure to limiting values for extended periods may affect device reliability.

Terms and conditions of 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, including those pertaining to warranty, intellectual property rights infringement and limitation of liability, unless explicitly otherwise agreed to in writing by NXP Semiconductors. In case of any inconsistency or conflict between information in this document and such terms and conditions, the latter will prevail.

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.

16.4 Trademarks

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

17. Contact information

For additional information, please visit: http://www.nxp.com

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

74AHC1G126; 74AHCT1G126

Bus buffer/line driver; 3-state

18. Contents

1	General description
2	Features
3	Ordering information
4	Marking
5	Functional diagram
6	Pinning information
6.1	Pinning
6.2	Pin description
7	Functional description 3
8	Limiting values 3
9	Recommended operating conditions
10	Static characteristics
11	Dynamic characteristics
12	Waveforms
13	Package outline
14	Abbreviations11
15	Revision history11
16	Legal information
16.1	Data sheet status
16.2	Definitions12
16.3	Disclaimers
16.4	Trademarks12
17	Contact information
18	Contents 13

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

