

# 74AHCT86D,118 Datasheet



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DiGi Electronics Part Number 74AHCT86D,118-DG

Manufacturer Nexperia USA Inc.

Manufacturer Product Number 74AHCT86D,118

Description IC GATE XOR 4CH 2-INP 14SO

Detailed Description XOR (Exclusive OR) IC 4 Channel 14-SO



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## **Purchase and inquiry**

Manufacturer Product Number:Manufacturer:74AHCT86D,118Nexperia USA Inc.Series:Product Status:74AHCTActiveLogic Type:Number of Circuits:XOR (Exclusive OR)4Number of Inputs:Features:2-Voltage - Supply:Current - Quiescent (Max):4.5V ~ 5.5V2 μACurrent - Output High, Low:Input Logic Level - Low:8mA, 8mA0.8VInput Logic Level - High:Max Propagation Delay @ V, Max CL:2V8.8ns @ 5V, 50pFOperating Temperature:Mounting Type:-40°C ~ 125°CSurface MountSupplier Device Package:Package / Case:14-SO14-SOIC (0.154", 3.90mm Width)Base Product Number:74AHCT86		
Series:Product Status:74AHCTActiveLogic Type:Number of Circuits:XOR (Exclusive OR)4Number of Inputs:Features:2-Voltage - Supply:Current - Quiescent (Max):4.5V ~ 5.5V2 μACurrent - Output High, Low:Input Logic Level - Low:8mA, 8mA0.8VInput Logic Level - High:Max Propagation Delay @ V, Max CL:2V8.8ns @ 5V, 50pFOperating Temperature:Mounting Type:-40°C ~ 125°CSurface MountSupplier Device Package:Package / Case:14-SOI(0.154", 3.90mm Width)	Manufacturer Product Number:	Manufacturer:
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Logic Type:Number of Circuits:XOR (Exclusive OR)4Number of Inputs:Features:2-Voltage - Supply:Current - Quiescent (Max):4.5V ~ 5.5V2 μACurrent - Output High, Low:Input Logic Level - Low:8mA, 8mA0.8VInput Logic Level - High:Max Propagation Delay @ V, Max CL:2V8.8ns @ 5V, 50pFOperating Temperature:Mounting Type:-40°C ~ 125°CSurface MountSupplier Device Package:Package / Case:14-SO14-SOIC (0.154", 3.90mm Width)Base Product Number:	Series:	Product Status:
XOR (Exclusive OR)  Number of Inputs:  2  Voltage - Supply:  4.5V ~ 5.5V  Current - Quiescent (Max):  2 μA  Current - Output High, Low:  8mA, 8mA  Input Logic Level - Low:  Max Propagation Delay @ V, Max CL:  2V  8.8ns @ 5V, 50pF  Operating Temperature:  -40°C ~ 125°C  Surface Mount  Supplier Device Package:  14-SO  14-SOIC (0.154", 3.90mm Width)  Base Product Number:	74AHCT	Active
Number of Inputs:Features:2-Voltage - Supply:Current - Quiescent (Max):4.5V ~ 5.5V2 μACurrent - Output High, Low:Input Logic Level - Low:8mA, 8mA0.8VInput Logic Level - High:Max Propagation Delay @ V, Max CL:2V8.8ns @ 5V, 50pFOperating Temperature:Mounting Type:-40°C ~ 125°CSurface MountSupplier Device Package:Package / Case:14-SO14-SOIC (0.154", 3.90mm Width)Base Product Number:	Logic Type:	Number of Circuits:
2 Voltage - Supply: Current - Quiescent (Max): 4.5V ~ 5.5V 2 μA Current - Output High, Low: Input Logic Level - Low: 8mA, 8mA 0.8V Input Logic Level - High: Max Propagation Delay @ V, Max CL: 2V 8.8ns @ 5V, 50pF Operating Temperature: Mounting Type: -40°C ~ 125°C Surface Mount Supplier Device Package: 14-SO 14-SOIC (0.154", 3.90mm Width) Base Product Number:	XOR (Exclusive OR)	4
Voltage - Supply:Current - Quiescent (Max):4.5V ~ 5.5V2 μACurrent - Output High, Low:Input Logic Level - Low:8mA, 8mA0.8VInput Logic Level - High:Max Propagation Delay @ V, Max CL:2V8.8ns @ 5V, 50pFOperating Temperature:Mounting Type:-40°C ~ 125°CSurface MountSupplier Device Package:Package / Case:14-5014-SOIC (0.154", 3.90mm Width)Base Product Number:	Number of Inputs:	Features:
4.5V ~ 5.5V2 μACurrent - Output High, Low:Input Logic Level - Low:8mA, 8mA0.8VInput Logic Level - High:Max Propagation Delay @ V, Max CL:2V8.8ns @ 5V, 50pFOperating Temperature:Mounting Type:-40°C ~ 125°CSurface MountSupplier Device Package:Package / Case:14-5014-SOIC (0.154", 3.90mm Width)Base Product Number:	2	
Current - Output High, Low:  8mA, 8mA  0.8V  Input Logic Level - High:  Max Propagation Delay @ V, Max CL:  2V  8.8ns @ 5V, 50pF  Operating Temperature:  -40°C ~ 125°C  Surface Mount  Supplier Device Package:  14-SO  14-SOIC (0.154", 3.90mm Width)  Base Product Number:	Voltage - Supply:	Current - Quiescent (Max):
8mA, 8mA  Input Logic Level - High:  Wax Propagation Delay @ V, Max CL:  8.8ns @ 5V, 50pF  Operating Temperature:  Mounting Type:  -40°C ~ 125°C  Surface Mount  Supplier Device Package:  Package / Case:  14-SO  14-SOIC (0.154", 3.90mm Width)  Base Product Number:	4.5V ~ 5.5V	2 μΑ
Input Logic Level - High:  2V  8.8ns @ 5V, 50pF  Operating Temperature:  -40°C ~ 125°C  Surface Mount  Supplier Device Package:  14-SO  Package / Case:  14-SOIC (0.154", 3.90mm Width)  Base Product Number:	Current - Output High, Low:	Input Logic Level - Low:
2V 8.8ns @ 5V, 50pF  Operating Temperature: Mounting Type: -40°C ~ 125°C Surface Mount  Supplier Device Package: Package / Case: 14-SO 14-SOIC (0.154", 3.90mm Width)  Base Product Number:	8mA, 8mA	0.8V
Operating Temperature:  -40°C ~ 125°C  Surface Mount  Supplier Device Package:  Package / Case:  14-SO  14-SOIC (0.154", 3.90mm Width)  Base Product Number:	Input Logic Level - High:	Max Propagation Delay @ V, Max CL:
-40°C ~ 125°C  Surface Mount  Package / Case:  14-SO  14-SOIC (0.154", 3.90mm Width)  Base Product Number:	2V	8.8ns @ 5V, 50pF
Supplier Device Package:  Package / Case:  14-SOIC (0.154", 3.90mm Width)  Base Product Number:	Operating Temperature:	Mounting Type:
14-SOIC (0.154", 3.90mm Width)  Base Product Number:	-40°C ~ 125°C	Surface Mount
Base Product Number:	Supplier Device Package:	Package / Case:
	14-50	14-SOIC (0.154", 3.90mm Width)
74AHCT86	Base Product Number:	
	74AHCT86	

## **Environmental & Export classification**

8542.39.0001

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	

## **Quad 2-input EXCLUSIVE-OR gate**

Rev. 5 — 7 March 2024

**Product data sheet** 

### 1. General description

The 74AHC86; 74AHCT86 is a quad 2-input EXCLUSIVE-OR gate. Inputs are overvoltage tolerant. This feature allows the use of these devices as translators in mixed voltage environments.

#### 2. Features and benefits

- Wide supply voltage range from 2.0 V to 5.5 V
- Input levels:
  - For 74AHC86: CMOS level
  - For 74AHCT86: TTL level
- · Balanced propagation delays
- · All inputs have Schmitt-trigger actions
- Overvoltage tolerant inputs to 5.5 V
- · High noise immunity
- · CMOS low power dissipation
- ESD protection:
  - HBM: ANSI/ESDA/JEDEC JS-001 class 2 exceeds 2000 V
  - CDM: ANSI/ESDA/JEDEC JS-002 class C3 exceeds 1000 V
- Latch-up performance exceeds 100 mA per JESD 78 Class II Level A
- Multiple package options
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C

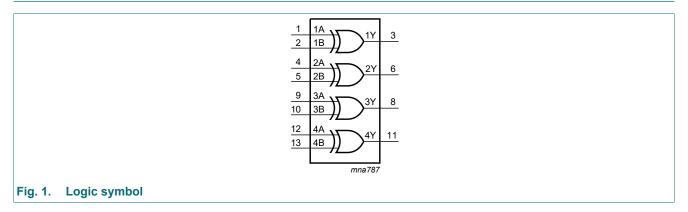
### 3. Ordering information

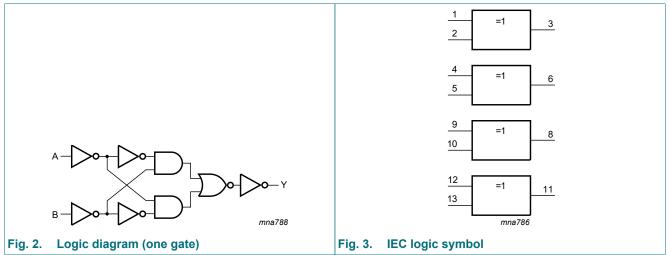
**Table 1. Ordering information** 

Type number	Package								
	Temperature range Name Description Vol								
74AHC86D 74AHCT86D	-40 °C to +125 °C	SO14	plastic small outline package; 14 leads; body width 3.9 mm	SOT108-1					
74AHC86PW 74AHCT86PW	-40 °C to +125 °C	TSSOP14	plastic thin shrink small outline package; 14 leads; body width 4.4 mm	SOT402-1					
74AHC86BQ 74AHCT86BQ	-40 °C to +125 °C	DHVQFN14	plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body 2.5 × 3 × 0.85 mm	SOT762-1					



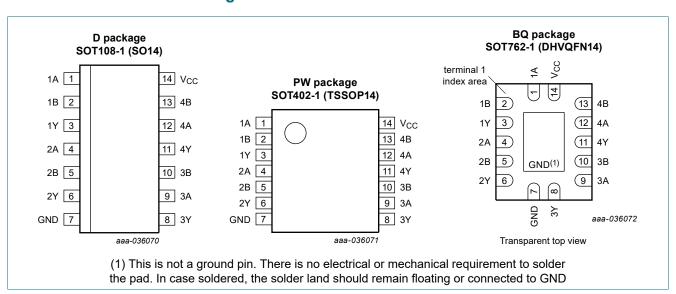
## 4. Functional diagram





## 5. Pinning information

#### 5.1. Pinning



**Quad 2-input EXCLUSIVE-OR gate** 

### 5.2. Pin description

#### Table 2. Pin description

Symbol	Pin	Description
1A, 2A, 3A, 4A	1, 4, 9, 12	data input
1B, 2B, 3B, 4B	2, 5, 10, 13	data input
1Y, 2Y, 3Y, 4Y	3, 6, 8, 11	data outputs
GND	7	ground (0 V)
V <sub>CC</sub>	14	supply voltage

## 6. Functional description

#### Table 3. Function table

 $H = HIGH \ voltage \ level; \ L = LOW \ voltage \ level.$ 

Input nA	Input nB	Output nY
L	L	L
L	Н	Н
Н	L	Н
Н	Н	L

## 7. Limiting values

#### **Table 4. 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 <sub>CC</sub>	supply voltage			-0.5	+7.0	V
VI	input voltage			-0.5	+7.0	V
I <sub>IK</sub>	input clamping current	V <sub>I</sub> < -0.5 V	[1]	-20	-	mA
I <sub>OK</sub>	output clamping current	$V_{O}$ < -0.5 V or $V_{O}$ > $V_{CC}$ + 0.5 V	[1]	-	±20	mA
Io	output current	$V_{O} = -0.5 \text{ V to } (V_{CC} + 0.5 \text{ V})$		-	±25	mA
I <sub>CC</sub>	supply current			-	75	mA
I <sub>GND</sub>	ground current			-75	-	mA
T <sub>stg</sub>	storage temperature			-65	+150	°C
P <sub>tot</sub>	total power dissipation	T <sub>amb</sub> = -40 °C to +125 °C	[2]	-	500	mW

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

<sup>[2]</sup> For SOT108-1 (SO14) package: P<sub>tot</sub> derates linearly with 10.1 mW/K above 100 °C. For SOT402-1 (TSSOP14) package: P<sub>tot</sub> derates linearly with 7.3 mW/K above 81 °C. For SOT762-1 (DHVQFN14) package: P<sub>tot</sub> derates linearly with 9.6 mW/K above 98 °C.

## 8. Recommended operating conditions

#### Table 5. Recommended operating conditions

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

Symbol	Parameter	Conditions	74AHC86			74AHCT86			Unit
			Min	Тур	Max	Min	Тур	Max	
V <sub>CC</sub>	supply voltage		2.0	5.0	5.5	4.5	5.0	5.5	V
V <sub>I</sub>	input voltage		0	-	5.5	0	-	5.5	V
Vo	output voltage		0	-	V <sub>CC</sub>	0	-	V <sub>CC</sub>	V
T <sub>amb</sub>	ambient temperature		-40	+25	+125	-40	+25	+125	°C
Δt/ΔV	input transition rise and	$V_{CC} = 3.3 \text{ V} \pm 0.3 \text{ V}$	-	-	100	-	-	-	ns/V
	fall rate	V <sub>CC</sub> = 5.0 V ± 0.5 V	-	-	20	-	-	20	ns/V

## 9. Static characteristics

#### **Table 6. Static characteristics**

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

Symbol	Parameter	Conditions		ıs 25 °C -4		-40 °C	to +85 °C	-40 °C to +125 °C		Unit	
			Min	Тур	Max	Min	Max	Min	Max	]	
74AHC8	6										
V <sub>IH</sub>	HIGH-level	V <sub>CC</sub> = 2.0 V	1.5	-	-	1.5	-	1.5	-	V	
	input voltage	V <sub>CC</sub> = 3.0 V	2.1	-	-	2.1	-	2.1	-	V	
		V <sub>CC</sub> = 5.5 V	3.85	-	-	3.85	-	3.85	-	V	
V <sub>IL</sub>	LOW-level	V <sub>CC</sub> = 2.0 V	-	-	0.5	-	0.5	-	0.5	V	
	input voltage	V <sub>CC</sub> = 3.0 V	-	-	0.9	-	0.9	-	0.9	V	
		V <sub>CC</sub> = 5.5 V	-	-	1.65	-	1.65	-	1.65	V	
V <sub>OH</sub>	HIGH-level	V <sub>I</sub> = V <sub>IH</sub> or V <sub>IL</sub>									
	output voltage	I <sub>O</sub> = -50 μA; V <sub>CC</sub> = 2.0 V	1.9	2.0	-	1.9	-	1.9	-	V	
		I <sub>O</sub> = -50 μA; V <sub>CC</sub> = 3.0 V	2.9	3.0	-	2.9	-	2.9	-	V	
		I <sub>O</sub> = -50 μA; V <sub>CC</sub> = 4.5 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 <sub>OL</sub>	LOW-level	V <sub>I</sub> = V <sub>IH</sub> or V <sub>IL</sub>									
	output voltage	I <sub>O</sub> = 50 μA; V <sub>CC</sub> = 2.0 V	-	0	0.1	-	0.1	-	0.1	V	
		I <sub>O</sub> = 50 μA; V <sub>CC</sub> = 3.0 V	-	0	0.1	-	0.1	-	0.1	V	
		I <sub>O</sub> = 50 μA; V <sub>CC</sub> = 4.5 V	-	0	0.1	-	0.1	-	0.1	V	
		I <sub>O</sub> = 4.0 mA; V <sub>CC</sub> = 3.0 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	
I <sub>I</sub>	input leakage current	V <sub>I</sub> = 5.5 V or GND; V <sub>CC</sub> = 0 V to 5.5 V	-	-	0.1	-	1.0	-	2.0	μA	
I <sub>CC</sub>	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 5.5 \text{ V}$	-	-	2.0	-	20	-	40	μΑ	
C <sub>I</sub>	input capacitance		-	3.0	10	-	10	-	10	pF	
Co	output capacitance		-	4.0	-	-	-	-	-	pF	

### **Quad 2-input EXCLUSIVE-OR gate**

Symbol	Parameter	Conditions		25 °C		-40 °C	to +85 °C	-40 °C to +125 °C		Unit
			Min	Тур	Max	Min	Max	Min	Max	
74AHCT	86				·		'			
V <sub>IH</sub>	HIGH-level input voltage	V <sub>CC</sub> = 4.5 V to 5.5 V	2.0	-	-	2.0	-	2.0	-	V
V <sub>IL</sub>	LOW-level input voltage	V <sub>CC</sub> = 4.5 V to 5.5 V	-	-	8.0	-	0.8	-	0.8	V
V <sub>OH</sub>	HIGH-level	$V_I = V_{IH}$ or $V_{IL}$ ; $V_{CC} = 4.5 \text{ V}$								
	output voltage	Ι <sub>Ο</sub> = -50 μΑ	4.4	4.5	-	4.4	-	4.4	-	V
		I <sub>O</sub> = -8.0 mA	3.94	-	-	3.8	-	3.70	-	V
V <sub>OL</sub>	LOW-level output voltage	$V_I = V_{IH}$ or $V_{IL}$ ; $V_{CC} = 4.5 \text{ V}$								
		I <sub>O</sub> = 50 μA	-	0	0.1	-	0.1	-	0.1	V
		I <sub>O</sub> = 8.0 mA	-	-	0.36	-	0.44	-	0.55	V
I <sub>I</sub>	input leakage current	V <sub>I</sub> = 5.5 V or GND; V <sub>CC</sub> = 0 V to 5.5 V	-	-	0.1	-	1.0	-	2.0	μΑ
I <sub>CC</sub>	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 5.5 \text{ V}$	-	-	2.0	-	20	-	40	μΑ
ΔI <sub>CC</sub>	additional supply current	per input pin; $V_I = V_{CC} - 2.1 \text{ V}; I_O = 0 \text{ A};$ other pins at $V_{CC}$ or GND; $V_{CC} = 4.5 \text{ V}$ to 5.5 V	-	-	1.35	-	1.5	-	1.5	mA
C <sub>I</sub>	input capacitance		-	3	10	-	10	-	10	pF
Co	output capacitance		-	4.0	-	-	-	-	-	pF

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## 10. Dynamic characteristics

#### **Table 7. Dynamic characteristics**

GND = 0 V; For test circuit see Fig. 5.

Symbol	Parameter	Conditions			25 °C		-40 °C	to +85 °C	-40 °C t	o +125 °C	Unit
				Min	Typ[1]	Max	Min	Max	Min	Max	1
74AHC8	6							'	1		
t <sub>pd</sub>	propagation	nA, nB to nY; see Fig. 4	[2]								
	delay	V <sub>CC</sub> = 3.0 V to 3.6 V									
		C <sub>L</sub> = 15 pF		-	4.8	11.0	1.0	13.0	1.0	14.0	ns
		C <sub>L</sub> = 50 pF		-	6.8	14.5	1.0	16.5	1.0	18.5	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V									
		C <sub>L</sub> = 15 pF		-	3.4	6.8	1.0	8.0	1.0	8.5	ns
		C <sub>L</sub> = 50 pF			4.8	8.8	1.0	10.0	1.0	11.0	ns
C <sub>PD</sub>	power dissipation capacitance	$C_L$ = 50 pF; $f_i$ = 1 MHz; $V_I$ = GND to $V_{CC}$	[3]	-	10.0	-	-	-	-	-	pF
74AHCT	86							•			•
t <sub>pd</sub>	propagation	nA, nB to nY; see Fig. 4	[2]								
	delay	V <sub>CC</sub> = 4.5 V to 5.5 V									
		C <sub>L</sub> = 15 pF		-	3.4	6.9	1.0	8.0	1.0	9.0	ns
		C <sub>L</sub> = 50 pF		-	4.9	8.8	1.0	10.0	1.0	11.0	ns
C <sub>PD</sub>	power dissipation capacitance	$C_L$ = 50 pF; $f_i$ = 1 MHz; $V_I$ = GND to $V_{CC}$	[3]	-	12.0	-	-	-	-	-	pF

- Typical values are measured at nominal supply voltage ( $V_{CC}$  = 3.3 V and  $V_{CC}$  = 5.0 V).
- $t_{pd}$  is the same as  $t_{PLH}$  and  $t_{PHL}$ .  $C_{PD}$  is used to determine the dynamic power dissipation ( $P_D$  in  $\mu$ W).  $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma (C_L \times V_{CC}^2 \times f_o)$  where:

$$P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma (C_1 \times V_{CC}^2 \times f_0)$$
 where:

f<sub>i</sub> = input frequency in MHz, f<sub>o</sub> = output frequency in MHz

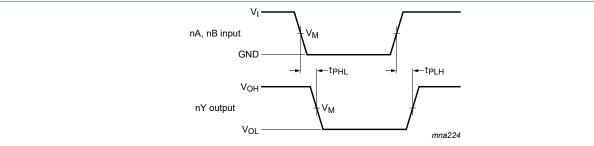
C<sub>L</sub> = output load capacitance in pF

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

N = number of inputs switching

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

#### 10.1. Waveforms and test circuit



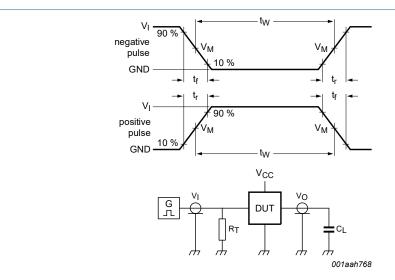
Measurement points are given in Table 8.

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

Fig. 4. Propagation delay input (nA, nB) to output (nY)

**Table 8. Measurement points** 

Туре	Input	Output
	V <sub>M</sub>	V <sub>M</sub>
74AHC86	0.5 × V <sub>CC</sub>	0.5 × V <sub>CC</sub>
74AHCT86	1.5 V	0.5 × V <sub>CC</sub>



Test data is given in Table 9.

Definitions test circuit:

R<sub>T</sub> = termination resistance should be equal to output impedance Z<sub>o</sub> of the pulse generator;

 $C_L$  = load capacitance including jig and probe capacitance.

Fig. 5. Test circuit for measuring switching times

Table 9. Test data

Туре	Input I		Load	Test
	VI	t <sub>r</sub> , t <sub>f</sub>	C <sub>L</sub>	
74AHC86	V <sub>CC</sub>	≤ 3.0 ns	15 pF, 50 pF	t <sub>PLH</sub> , t <sub>PHL</sub>
74AHCT86	3.0 V	≤ 3.0 ns	15 pF, 50 pF	t <sub>PLH</sub> , t <sub>PHL</sub>

## 11. Package outline

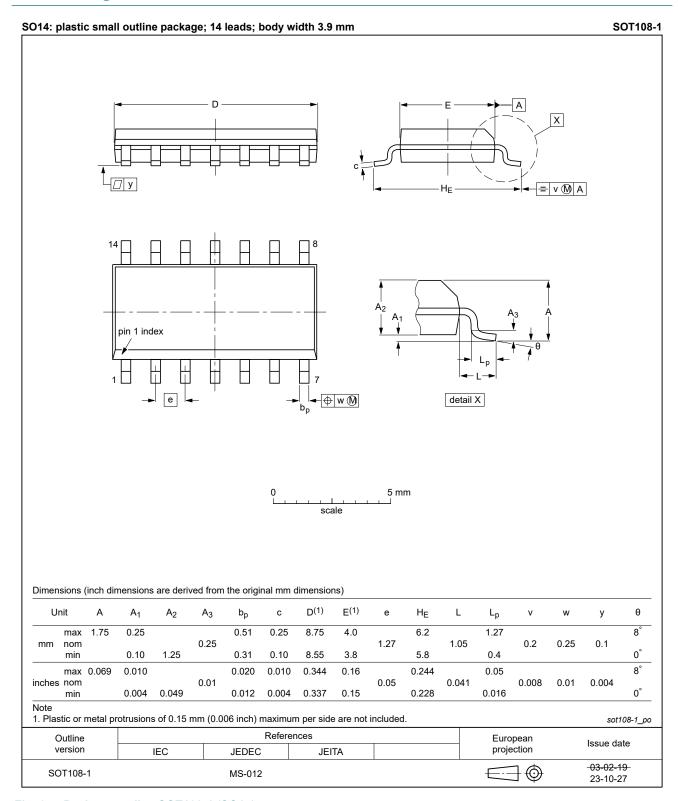


Fig. 6. Package outline SOT108-1 (SO14)

#### **Quad 2-input EXCLUSIVE-OR gate**

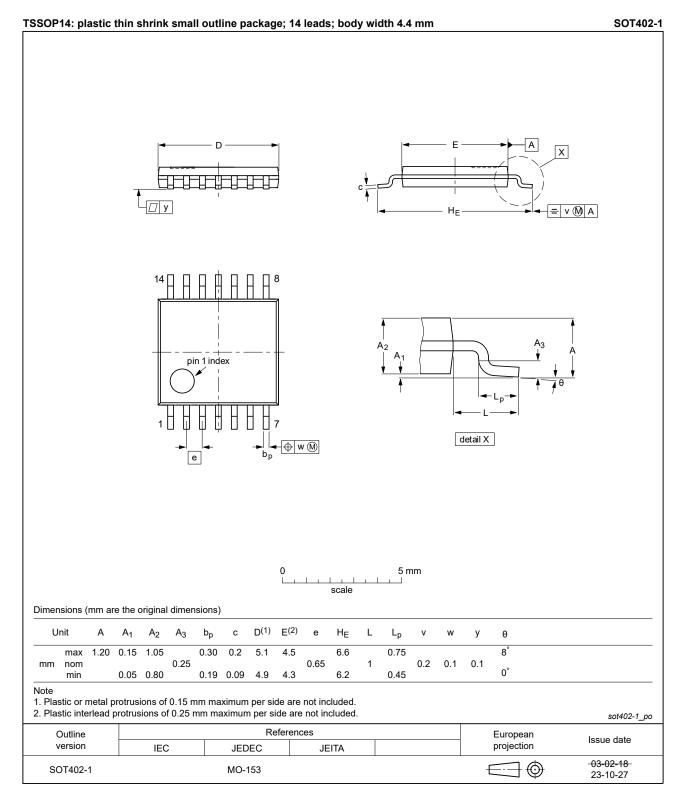


Fig. 7. Package outline SOT402-1 (TSSOP14)

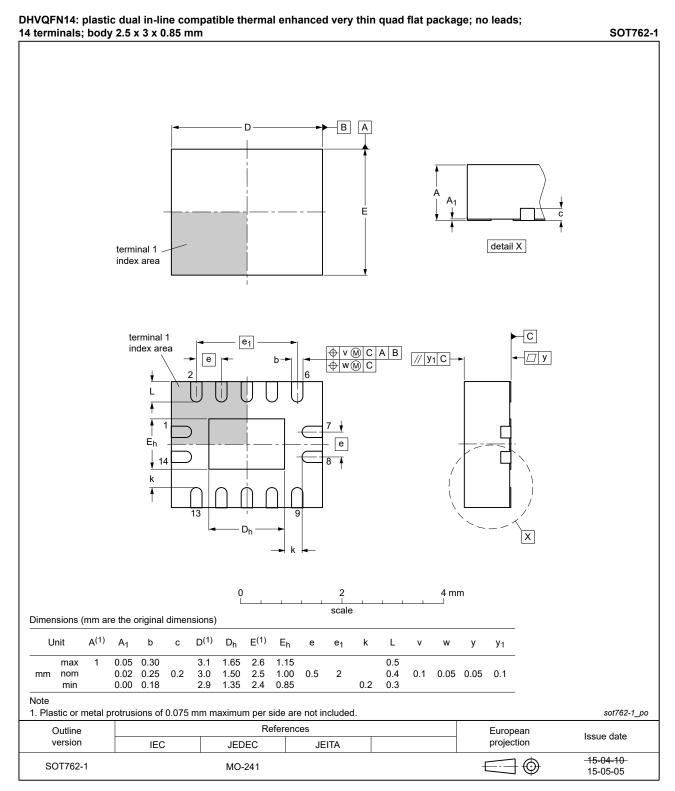


Fig. 8. Package outline SOT762-1 (DHVQFN14)

**Quad 2-input EXCLUSIVE-OR gate** 

### 12. Abbreviations

#### **Table 10. Abbreviations**

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

## 13. Revision history

#### Table 11. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes	
74AHC_AHCT86 v.5	20240307	Product data sheet	-	74AHC_AHCT86 v.4	
Modifications:	• Fig. 6, Fig. 7: Aligned SO and TSSOP package outline drawings to JEDEC MS-012 and MO-153.				
74AHC_AHCT86 v.4	20231005	Product data sheet	-	74AHC_AHCT86 v.3	
Modifications:	<u>Section 2</u> : ESD specification updated according to the latest JEDEC standard.				
74AHC_AHCT86 v.3	20200605	Product data sheet	-	74AHC_AHCT86 v.2	
Modifications:	<ul> <li>The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia.</li> <li>Legal texts have been adapted to the new company name where appropriate.</li> <li>Section 1 and Section 2 updated.</li> <li>Table 4: Derating values for P<sub>tot</sub> total power dissipation have been updated.</li> <li>Package outline drawing of SOT762-1 (Fig. 8) updated.</li> </ul>				
74AHC_AHCT86 v.2	20071115	Product data sheet	-	74AHC_AHCT86 v.1	
Modifications:	<ul> <li>The format of this data sheet has been redesigned to comply with the new identity guidelines of NXP Semiconductors.</li> <li>Legal texts have been adapted to the new company name where appropriate.</li> <li>Section 3: DHVQFN14 package added.</li> <li>Section 7: derating values added for DHVQFN14 package.</li> <li>Section 11: outline drawing added for DHVQFN14 package.</li> </ul>				
74AHC_AHCT86 v.1	19990917	Product specification	-	-	

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### 14. Legal information

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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.

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