Low-power dual 2-input EXCLUSIVE-OR gate

Rev. 9 — 28 March 2019

Product data sheet

1. General description

The 74AUP2G86 provides the dual 2-input EXCLUSIVE-OR function.

Schmitt trigger action at all inputs makes the circuit tolerant to slower input rise and fall times across the entire V_{CC} range from 0.8 V to 3.6 V.

This device ensures a very low static and dynamic power consumption across the entire V_{CC} range from 0.8 V to 3.6 V.

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

2. Features and benefits

- Wide supply voltage range from 0.8 V to 3.6 V
- High noise immunity
- Complies with JEDEC standards:
 - JESD8-12 (0.8 V to 1.3 V)
 - JESD8-11 (0.9 V to 1.65 V)
 - JESD8-7 (1.2 V to 1.95 V)
 - JESD8-5 (1.8 V to 2.7 V)
 - JESD8-B (2.7 V to 3.6 V)
- ESD protection:
 - HBM JESD22-A114F Class 3A exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101E exceeds 1000 V
- Low static power consumption; $I_{CC} = 0.9 \mu A$ (maximum)
- Latch-up performance exceeds 100 mA per JESD78 Class II
- Inputs accept voltages up to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial Power-down mode operation
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C

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3. Ordering information

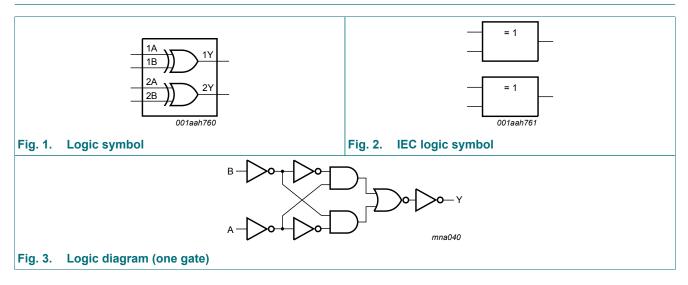
Type number	Package							
	Temperature range	Name	Description	Version				
74AUP2G86DC	-40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1				
74AUP2G86GT	-40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 × 1.95 × 0.5 mm	SOT833-1				
74AUP2G86GF	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1 × 0.5 mm	SOT1089				
74AUP2G86GM	-40 °C to +125 °C	XQFN8	plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 × 1.6 × 0.5 mm	SOT902-2				
74AUP2G86GN	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.2 × 1.0 × 0.35 mm	SOT1116				
74AUP2G86GS	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1.0 × 0.35 mm	SOT1203				

4. Marking

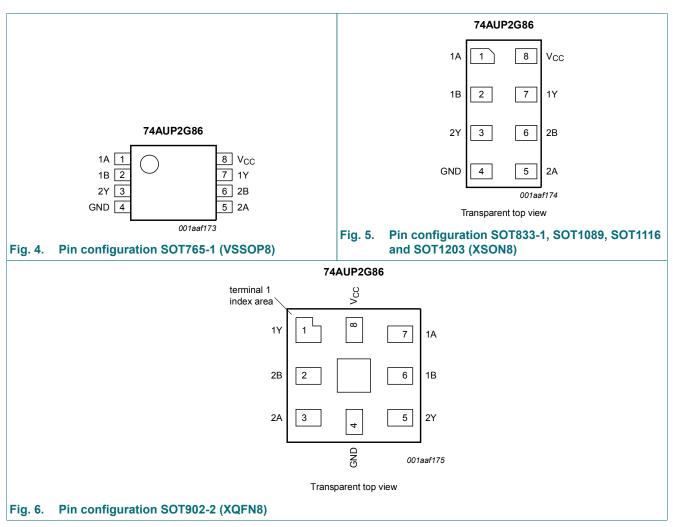
Table 2. Marking codes					
Type number	Marking code [1]				
74AUP2G86DC	p86				
74AUP2G86GT	p86				
74AUP2G86GF	рН				
74AUP2G86GM	p86				
74AUP2G86GN	рН				
74AUP2G86GS	рН				

[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
	SOT765-1, SOT833-1, SOT1089, SOT1116 and SOT1203	SOT902-2	
1A, 2A	1, 5	7, 3	data input
1B, 2B	2, 6	6, 2	data input
GND	4	4	ground (0 V)
1Y, 2Y	7, 3	1, 5	data output
V _{CC}	8	8	supply voltage

7. Functional description

Table 4. Function table

H = HIGH voltage level;

L = LOW voltage level.

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

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
V _{CC}	supply voltage		-0.5	+4.6	V
I _{IK}	input clamping current	V ₁ < 0 V	-50	-	mA
VI	input voltage	[1]	-0.5	+4.6	V
I _{OK}	output clamping current	V _O < 0 V	-50	-	mA
Vo	output voltage	Active mode and Power-down mode [1]	-0.5	+4.6	V
lo	output current	$V_{O} = 0 V \text{ to } V_{CC}$	-	±20	mA
I _{CC}	supply current		-	50	mA
I _{GND}	ground current		-50	-	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.

[2] For VSSOP8 packages: above 110 °C the value of P_{tot} derates linearly with 8.0 mW/K.

For XSON8 and XQFN8 packages: above 118 °C the value of Ptot derates linearly with 7.8 mW/K.

9. Recommended operating conditions

Table 6. Operating conditions

Symbol	Parameter	Conditions	Min	Max	Unit
V _{CC}	supply voltage		0.8	3.6	V
VI	input voltage		0	3.6	V
Vo	output voltage	Active mode	0	V _{CC}	V
		Power-down mode; V _{CC} = 0 V	0	3.6	V
T _{amb}	ambient temperature		-40	+125	°C
Δt/ΔV	input transition rise and fall rate	V _{CC} = 0.8 V to 3.6 V	0	200	ns/V

10. Static characteristics

Table 7. Static characteristics

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

Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
T _{amb} = 2	25 °C					
V _{IH}	HIGH-level input	V _{CC} = 0.8 V	0.70V _{CC}	-	-	V
	voltage	V _{CC} = 0.9 V to 1.95 V	0.65V _{CC}	-	-	V
		V _{CC} = 2.3 V to 2.7 V	1.6	-	-	V
		V _{CC} = 3.0 V to 3.6 V	2.0	-	-	V
V _{IL}	LOW-level input	V _{CC} = 0.8 V	-	-	0.30V _{CC}	V
	voltage	V _{CC} = 0.9 V to 1.95 V	-	-	0.35V _{CC}	V
		V _{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		V _{CC} = 3.0 V to 3.6 V	-	-	0.9	V
V _{OH}	HIGH-level output	$V_{I} = V_{IH} \text{ or } V_{IL}$				
	voltage	I_{O} = -20 µA; V_{CC} = 0.8 V to 3.6 V	V _{CC} - 0.1	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.75V _{CC}	-	-	V
		I _O = -1.7 mA; V _{CC} = 1.4 V	1.11	-	-	V
		I _O = -1.9 mA; V _{CC} = 1.65 V	1.32	-	-	V
		I _O = -2.3 mA; V _{CC} = 2.3 V	2.05	-	-	V
		I _O = -3.1 mA; V _{CC} = 2.3 V	1.9	-	-	V
		I _O = -2.7 mA; V _{CC} = 3.0 V	2.72	-	-	V
		I _O = -4.0 mA; V _{CC} = 3.0 V	2.6	-	-	V
V _{OL}	LOW-level output	$V_{I} = V_{IH} \text{ or } V_{IL}$				
	voltage	I_{O} = 20 µA; V_{CC} = 0.8 V to 3.6 V	-	-	0.1	V
		I _O = 1.1 mA; V _{CC} = 1.1 V	-	-	0.3V _{CC}	V
		I _O = 1.7 mA; V _{CC} = 1.4 V	-	-	0.31	V
		I _O = 1.9 mA; V _{CC} = 1.65 V	-	-	0.31	V
		I _O = 2.3 mA; V _{CC} = 2.3 V	-	-	0.31	V
		I _O = 3.1 mA; V _{CC} = 2.3 V	-	-	0.44	V
		I _O = 2.7 mA; V _{CC} = 3.0 V	-	-	0.31	V
		I _O = 4.0 mA; V _{CC} = 3.0 V	-	-	0.44	V
lı	input leakage current	V ₁ = GND to 3.6 V; V _{CC} = 0 V to 3.6 V	-	-	±0.1	μA
I _{OFF}	power-off leakage current	V_{I} or V_{O} = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.2	μA
ΔI _{OFF}	additional power-off leakage current	V_{I} or V_{O} = 0 V to 3.6 V; V_{CC} = 0 V to 0.2 V	-	-	±0.2	μA
I _{CC}	supply current	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.5	μA
ΔI _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]] -	-	40	μA
CI	input capacitance	V_{CC} = 0 V to 3.6 V; V_{I} = GND or V_{CC}	-	0.6	-	pF
Co	output capacitance	$V_0 = GND; V_{CC} = 0 V$	-	1.3	_	pF

Symbo	I Parameter	Conditions	Min	Тур	Max	Unit
T _{amb} =	-40 °C to +85 °C					
VIH	HIGH-level input	V _{CC} = 0.8 V	0.70V _{CC}	-	-	V
	voltage	V _{CC} = 0.9 V to 1.95 V	0.65V _{CC}	-	-	V
		V _{CC} = 2.3 V to 2.7 V	1.6	-	-	V
		V _{CC} = 3.0 V to 3.6 V	2.0	-	-	V
V _{IL}	LOW-level input	V _{CC} = 0.8 V	-	-	0.30V _{CC}	V
	voltage	V _{CC} = 0.9 V to 1.95 V	-	-	0.35V _{CC}	V
		V _{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		V _{CC} = 3.0 V to 3.6 V	-	-	0.9	V
V _{ОН}	HIGH-level output	$V_{I} = V_{IH} \text{ or } V_{IL}$				
	voltage	I_{O} = -20 µA; V_{CC} = 0.8 V to 3.6 V	V _{CC} - 0.1	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.7V _{CC}	-	-	V
		I _O = -1.7 mA; V _{CC} = 1.4 V	1.03	-	-	V
		I _O = -1.9 mA; V _{CC} = 1.65 V	1.30	-	-	V
		I _O = -2.3 mA; V _{CC} = 2.3 V	1.97	-	-	V
		I _O = -3.1 mA; V _{CC} = 2.3 V	1.85	-	-	V
		I _O = -2.7 mA; V _{CC} = 3.0 V	2.67	-	-	V
		I _O = -4.0 mA; V _{CC} = 3.0 V	2.55	-	-	V
V _{OL}	LOW-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		I _O = 20 μA; V _{CC} = 0.8 V to 3.6 V	-	-	0.1	V
		I _O = 1.1 mA; V _{CC} = 1.1 V	-	-	0.3V _{CC}	V
		$I_0 = 1.7 \text{ mA}; V_{CC} = 1.4 \text{ V}$	-	-	0.37	V
		$I_0 = 1.9 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.35	V
		$I_0 = 2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.33	V
		$I_0 = 3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.45	V
		$I_0 = 2.7 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.33	V
		$I_0 = 4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.45	V
I	input leakage current	$V_1 = GND \text{ to } 3.6 \text{ V}; V_{CC} = 0 \text{ V to } 3.6 \text{ V}$	-	_	±0.5	μA
I _{OFF}	power-off leakage	$V_{\rm I} \text{ or } V_{\rm O} = 0 \text{ V to } 3.6 \text{ V}; V_{\rm CC} = 0 \text{ V}$	-	-	±0.5	μA
ΔI _{OFF}	additional power-off leakage current	V_{I} or V_{O} = 0 V to 3.6 V; V_{CC} = 0 V to 0.2 V	-	-	±0.6	μA
I _{CC}	supply current	V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 0.8 V to 3.6 V	-	-	0.9	μA
ΔI _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]	-	-	50	μA
T	-40 °C to +125 °C					I
V _{IH}	HIGH-level input	V _{CC} = 0.8 V	0.75V _{CC}	-	_	V
• 10	voltage	$V_{\rm CC} = 0.9 \text{ V to } 1.95 \text{ V}$	0.70V _{CC}	_	_	V
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.6	_	_	V
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	2.0			V
VIL	LOW-level input	$V_{CC} = 0.8 V$	-	-	0.25V _{CC}	V
▼ IL	voltage	$V_{CC} = 0.8 V$ $V_{CC} = 0.9 V$ to 1.95 V	-	-	0.23V _{CC}	V
	_	$V_{CC} = 0.9 \text{ V to } 1.95 \text{ V}$ $V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	-	0.30V _{CC}	V
		$v_{CC} = 2.3 \text{ v}$ to 2.7 v $V_{CC} = 3.0 \text{ V}$ to 3.6 V	-	-	0.7	V

Symbol Parameter Conditions Min Max Unit Тур VOH HIGH-level output $V_{I} = V_{IH} \text{ or } V_{IL}$ voltage I_{O} = -20 µA; V_{CC} = 0.8 V to 3.6 V V_{CC} - 0.11 V -- I_{O} = -1.1 mA; V_{CC} = 1.1 V V $0.6V_{CC}$ _ _ $I_0 = -1.7 \text{ mA}; V_{CC} = 1.4 \text{ V}$ V 0.93 _ _ I_0 = -1.9 mA; V_{CC} = 1.65 V v 1.17 -_ I_0 = -2.3 mA; V_{CC} = 2.3 V V 1.77 $I_0 = -3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$ 1.67 V _ _ I_0 = -2.7 mA; V_{CC} = 3.0 V 2.40 V -- $I_0 = -4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$ V 2.30 -_ VOL LOW-level output $V_{I} = V_{IH} \text{ or } V_{IL}$ voltage I_{O} = 20 μ A; V_{CC} = 0.8 V to 3.6 V _ _ 0.11 V 0.33V_{CC} I_0 = 1.1 mA; V_{CC} = 1.1 V V -_ $I_0 = 1.7 \text{ mA}; V_{CC} = 1.4 \text{ V}$ 0.41 V I_O = 1.9 mA; V_{CC} = 1.65 V 0.39 V _ _ I_0 = 2.3 mA; V_{CC} = 2.3 V 0.36 V _ _ $I_0 = 3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$ V 0.50 -- I_{O} = 2.7 mA; V_{CC} = 3.0 V 0.36 v _ _ I_0 = 4.0 mA; V_{CC} = 3.0 V 0.50 V -_ V_1 = GND to 3.6 V; V_{CC} = 0 V to 3.6 V ±0.75 input leakage current μA I_I -- V_{I} or V_{O} = 0 V to 3.6 V; V_{CC} = 0 V ±0.75 power-off leakage μA **I**OFF current $V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V}; V_{CC} = 0 \text{ V to } 0.2 \text{ V}$ additional power-off ΔI_{OFF} ±0.75 μΑ -leakage current $V_I = GND \text{ or } V_{CC}; I_O = 0 \text{ A};$ supply current 1.4 μA I_{CC} -- V_{CC} = 0.8 V to 3.6 V $V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ ΔI_{CC} additional supply 75 [1] μA _ current

Low-power dual 2-input EXCLUSIVE-OR gate

[1] One input at V_{CC} - 0.6 V, other input at V_{CC} or GND.

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 8.

Symbol	Parameter	Conditions		25 °C		-40 °C to +125 °C			Unit
			Min	Typ [1]	Мах	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 p	F								
t _{pd}	propagation	nA or nB to nY; see Fig. 7	2]						
	delay	V _{CC} = 0.8 V	-	21.2	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.3	5.9	13.1	2.1	14.3	15.8	ns
		V _{CC} = 1.4 V to 1.6 V	1.8	4.1	7.7	1.6	8.8	9.7	ns
		V _{CC} = 1.65 V to 1.95 V	1.5	3.3	5.9	1.4	6.9	7.6	ns
		V _{CC} = 2.3 V to 2.7 V	1.2	2.6	4.4	1.1	5.3	5.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.0	2.3	4.0	0.9	4.7	5.2	ns

Symbol	Parameter	Conditions		25 °C			-40 °C to +125 °C		
			Min	Typ [1]	Max	Min	Max (85 °C)	Max (125 °C)	
C _L = 10	pF			· · · · · ·			•		
t _{pd}	propagation	nA or nB to nY; see Fig. 7 [2]							
	delay	V _{CC} = 0.8 V	-	24.7	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.6	6.8	14.8	2.4	16.2	17.9	ns
		V _{CC} = 1.4 V to 1.6 V	2.2	4.8	8.7	1.9	10.0	11.0	ns
		V _{CC} = 1.65 V to 1.95 V	1.8	3.9	6.7	1.7	8.0	8.8	ns
		V_{CC} = 2.3 V to 2.7 V	1.5	3.1	5.2	1.4	6.2	6.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	2.9	4.8	1.3	5.6	6.2	ns
C _L = 15	pF						•		
t _{pd}	propagation	nA or nB to nY; see Fig. 7 [2]							
	delay	V _{CC} = 0.8 V	-	28.2	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.0	7.6	16.5	2.7	18.1	20.0	ns
		V _{CC} = 1.4 V to 1.6 V	2.4	5.3	9.6	2.2	11.3	12.5	ns
		V _{CC} = 1.65 V to 1.95 V	2.1	4.4	7.5	1.9	9.0	9.9	ns
		V_{CC} = 2.3 V to 2.7 V	1.8	3.6	5.9	1.6	7.0	7.7	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	3.3	5.4	1.5	6.4	7.1	ns
C _L = 30	pF						·		
t _{pd}	propagation	nA or nB to nY; see Fig. 7 [2]							
	delay	V _{CC} = 0.8 V	-	38.5	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.9	9.9	21.5	3.5	24.1	26.6	ns
		V _{CC} = 1.4 V to 1.6 V	3.2	6.9	12.5	2.8	14.8	16.3	ns
		V _{CC} = 1.65 V to 1.95 V	2.8	5.7	9.8	2.5	11.7	12.9	ns
		V_{CC} = 2.3 V to 2.7 V	2.4	4.7	7.6	2.2	9.1	10.1	ns
		V _{CC} = 3.0 V to 3.6 V	2.2	4.4	7.1	2.1	8.3	9.2	ns
C _L = 5 p	F, 10 pF, 15 pF	and 30 pF							
C _{PD}	power	$f = 1 \text{ MHz}; V_I = GND \text{ to } V_{CC}$ [3]							
	dissipation capacitance	V _{CC} = 0.8 V	-	2.7	-	-	-	-	pF
	oupdoitanoc	V _{CC} = 1.1 V to 1.3 V	-	2.9	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V	-	3.0	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	3.1	-	-	-	-	pF
		V_{CC} = 2.3 V to 2.7 V	-	3.6	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	4.2	-	-	-	-	pF

[1] All typical values are measured at nominal V_{CC}.
 [2] t_{pd} is the same as t_{PLH} and t_{PHL}.
 [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;

fo = output frequency in MHz;

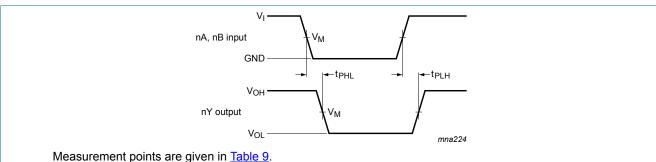
C_L = output load capacitance in pF;

V_{CC} = supply voltage in V;

N = number of inputs switching;

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

11.1. Waveforms and test circuit



Measurement points are given in <u>Table 9</u>.

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

Fig. 7. The data input (nA or nB) to output (nY) propagation delays

Table 9. Measurement points

Supply voltage	Output	Input				
V _{CC}	V _M	V _M	VI	$t_r = t_f$		
0.8 V to 3.6 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	V _{CC}	≤ 3.0 ns		

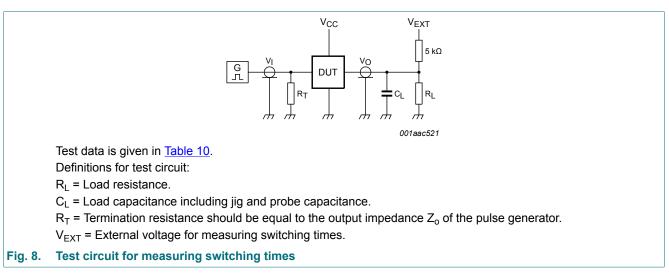


Table 10. Test data

Supply voltage	Load	V _{EXT}			
V _{cc}	CL	R _L [1]	t _{PLH} , t _{PHL}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
0.8 V to 3.6 V	5 pF, 10 pF, 15 pF and 30 pF	5 kΩ or 1 MΩ	open	GND	2 × V _{CC}

[1] For measuring enable and disable times $R_L = 5 k\Omega$.

For measuring propagation delays, set-up and hold times and pulse width R_L = 1 M Ω .

12. Package outline

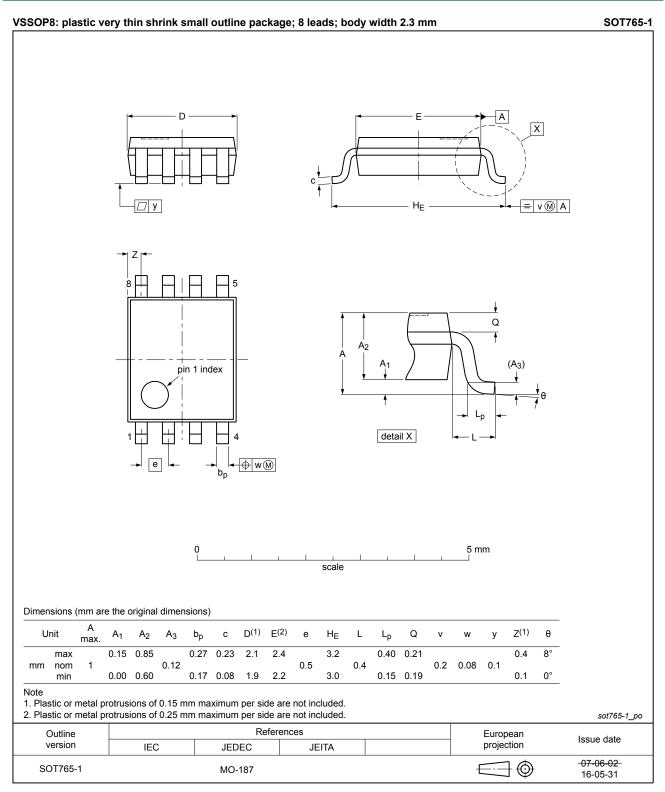
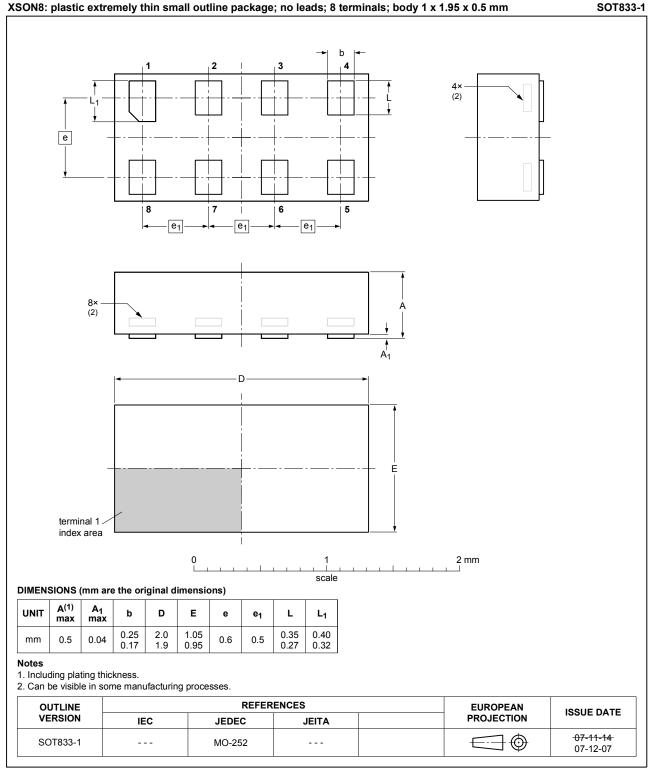
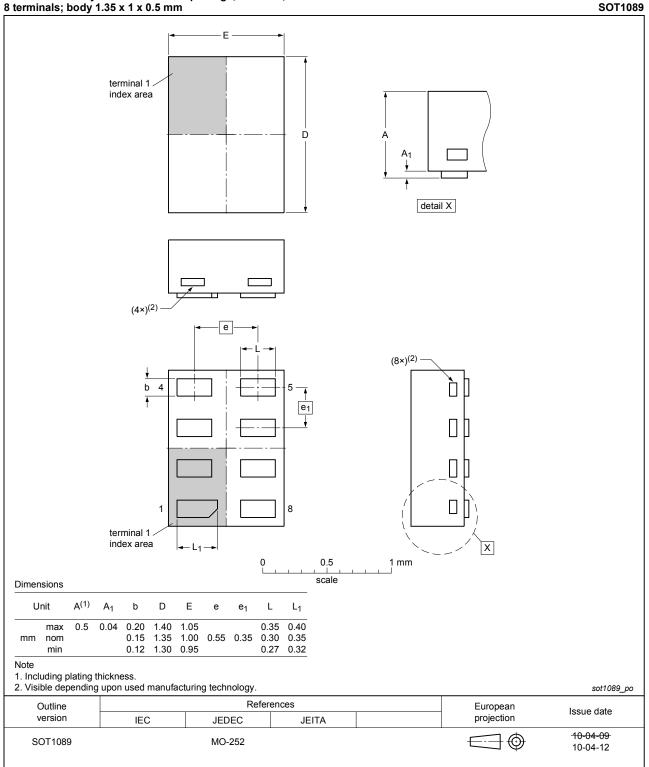


Fig. 9. Package outline SOT765-1 (VSSOP8)

Low-power dual 2-input EXCLUSIVE-OR gate



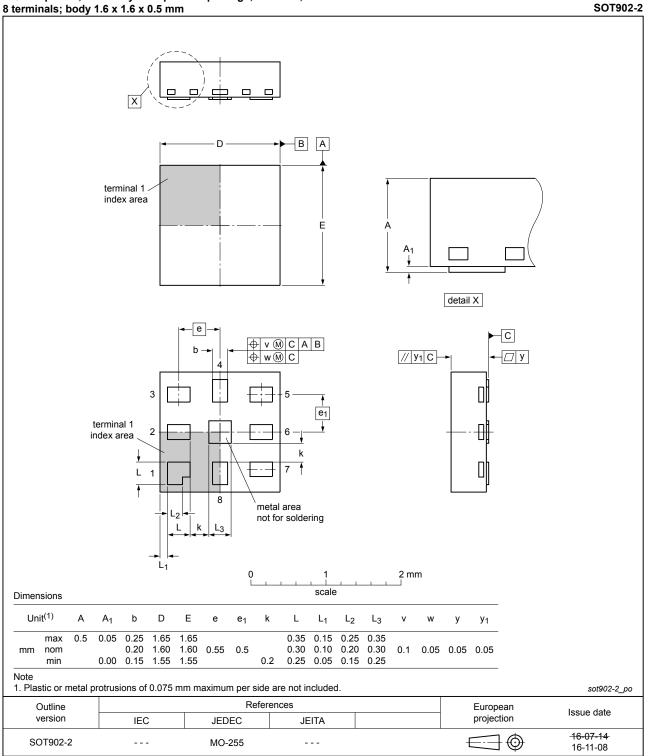




XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1 x 0.5 mm

Fig. 11. Package outline SOT1089 (XSON8)

Low-power dual 2-input EXCLUSIVE-OR gate

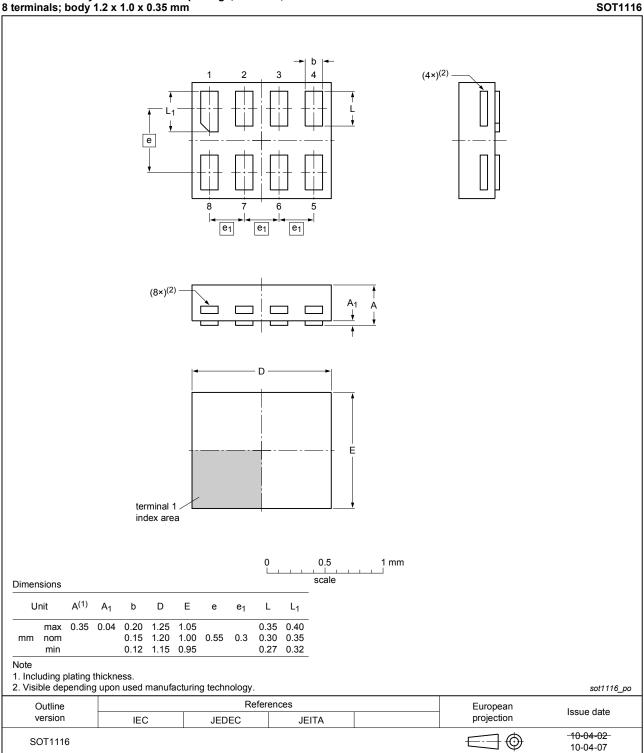


XQFN8: plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm

Fig. 12. Package outline SOT902-2 (XQFN8)

Low-power dual 2-input EXCLUSIVE-OR gate

XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm





Low-power dual 2-input EXCLUSIVE-OR gate

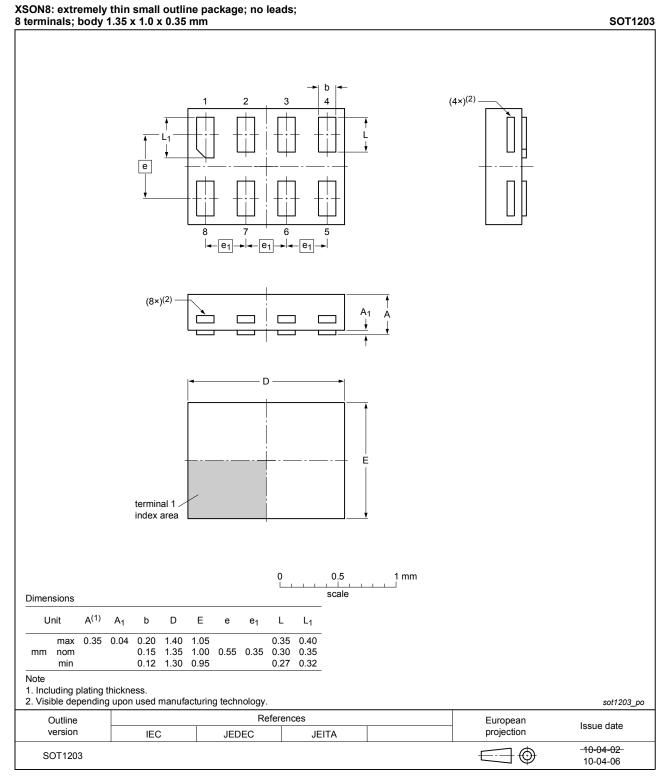


Fig. 14. Package outline SOT1203 (XSON8)

13. Abbreviations

Table 11. Abbreviations				
Acronym	Description			
CDM	Charged Device Model			
DUT	Device Under Test			
ESD	ElectroStatic Discharge			
HBM	Human Body Model			
MM	Machine Model			

14. Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes	
74AUP2G86 v.9	20190328	Product data sheet	-	74AUP2G86 v.8	
Modifications:	 The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia. Legal texts have been adapted to the new company name where appropriate. Type number 74AUP2G86GD (SOT996-2) removed. Package outline drawing <u>SOT765-1</u> (VSSOP8) updated. Package outline drawing <u>SOT902-2</u> (XQFN8) updated. 				
74AUP2G86 v.8	20130124	Product data sheet	-	74AUP2G86 v.7	
Modifications:	For type number 74AUP2G86GD XSON8U has changed to XSON8.				
74AUP2G86 v.7	20120614	Product data sheet	-	74AUP2G86 v.6	
74AUP2G86 v.6	20111208	Product data sheet	-	74AUP2G86 v.5	
74AUP2G86 v.5	20100727	Product data sheet	-	74AUP2G86 v.4	
74AUP2G86 v.4	20090629	Product data sheet	-	74AUP2G86 v.3	
74AUP2G86 v.3	20090504	Product data sheet	-	74AUP2G86 v.2	
74AUP2G86 v.2	20080319	Product data sheet	-	74AUP2G86 v.1	
74AUP2G86 v.1	20061009	Product data sheet	-	-	

15. Legal information

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.

 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 <u>https://www.nexperia.com</u>.

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