Low-power 3-input OR-AND gate Rev. 7 — 7 March 2017

Product data sheet

1 General description

The 74AUP1G3208 provides the Boolean function: $Y = (A + B) \times C$. The user can choose the logic functions OR, AND and OR-AND. All inputs can be connected to V_{CC} or GND.

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 the 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 μA (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 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

Table 1. Ordering inf	formation			
Type number	Package			
	Temperature range	Name	Description	Version
74AUP1G3208GW	-40 °C to +125 °C	SC-88	plastic surface-mounted package; 6 leads	SOT363
74AUP1G3208GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1.45 × 0.5 mm	SOT886
74AUP1G3208GF	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1 × 0.5 mm	SOT891
74AUP1G3208GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm	SOT1115
74AUP1G3208GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm	SOT1202
74AUP1G3208GX	-40 °C to +125 °C	X2SON6	plastic thermal extremely thin small outline package; no leads; 6 terminals; body 1 × 0.8 × 0.35 mm	SOT1255

4 Marking

Table 2. MarkingType numberMarking code [1]74AUP1G3208GWa274AUP1G3208GMa274AUP1G3208GFa274AUP1G3208GNa274AUP1G3208GNa274AUP1G3208GSa274AUP1G3208GSa2

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

5 Functional diagram

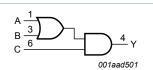
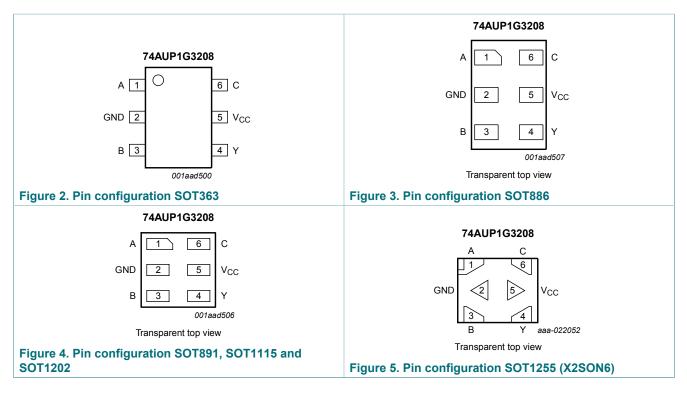


Figure 1. Logic symbol

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6 Pinning information

6.1 Pinning



6.2 Pin description

Table 3. Pin description								
Symbol	Pin	Description						
A	1	data input A						
GND	2	ground (0 V)						
В	3	data input B						
Y	4	data output Y						
V _{CC}	5	supply voltage						
С	6	data input C						

7 Functional description

Table 4. Function table ^[1]

Input	Output		
С	В	A	Y
L	L	L	L
L	L	Н	L
L	Н	L	L
L	Н	Н	L
Н	L	L	L
Н	L	Н	Н
Н	Н	L	Н
Н	Н	Н	Н

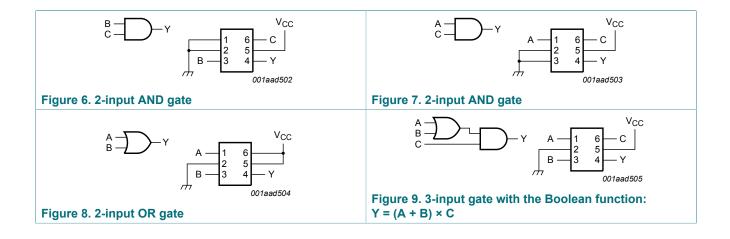
[1] H = HIGH voltage level;

L = LOW voltage level.

7.1 Logic configurations

Table 5. Function selection table

Logic function	Figure
2-input AND	see <u>Figure 6</u> and <u>Figure 7</u>
2-input OR	see Figure 8
3-input gate with the Boolean function: $Y = (A + B) \times C$	see <u>Figure 9</u>



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Limiting values 8

Table 6. 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	+4.6	V
VI	input voltage		[1]	-0.5	+4.6	V
Vo	output voltage	Active mode and Power-down mode	[1]	-0.5	+4.6	V
I _{IK}	input clamping current	V _I < 0 V		-50	-	mA
I _{ОК}	output clamping current	V _O < 0 V		-50	-	mA
I _O	output current	$V_{O} = 0 V$ 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

The minimum input and output voltage ratings may be exceeded if the input and output current ratings are observed. For SC-88 packages: above 87.5 °C the value of P_{tot} derates linearly with 4.0 mW/K. [1]

[2]

For XSON6 and X2SON6 packages: above 118 °C the value of Ptot derates linearly with 7.8 mW/K.

Recommended operating conditions 9

Table 7. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Мах	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	-	200	ns/V

10 Static characteristics

Table 8. Static characteristics

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

Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
T _{amb} = 25	°C					
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.70 × V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	$0.65 \times V_{CC}$	-	-	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 voltage	V _{CC} = 0.8 V	-	-	0.30 × V _{CC}	V
		V _{CC} = 0.9 V to 1.95 V	-	-	0.35 × V _{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 voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_{\rm O}$ = -20 μ A; V _{CC} = 0.8 V to 3.6 V	V _{CC} - 0.1	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.75 × V _{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
		$I_{\rm O}$ = -2.3 mA; $V_{\rm CC}$ = 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 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	-	-	0.3 × V _{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
		$I_{\rm O}$ = 2.7 mA; $V_{\rm CC}$ = 3.0 V	-	-	0.31	V
		I_{O} = 4.0 mA; V_{CC} = 3.0 V	-	-	0.44	V
I	input leakage current	V_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.1	μA
I _{OFF}	power-off leakage current	V_1 or V_0 = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.2	μA
ΔI _{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.2	μA
I _{CC}	supply current	$V_1 = GND \text{ or } V_{CC}; I_0 = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.5	μA

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Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
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}	-	0.8	-	pF
Co	output capacitance	V_{O} = GND; V_{CC} = 0 V	-	1.7	-	pF
$T_{amb} = -40$	0 °C to +85 °C	,				
VIH	HIGH-level input voltage	V _{CC} = 0.8 V	0.70 × V _{CC}	-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.65 × V _{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
VIL	LOW-level input voltage	V _{CC} = 0.8 V	-	-	0.30 × V _{CC}	V
		V _{CC} = 0.9 V to 1.95 V	-	-	0.35 × V _{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 voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		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	0.7 × V _{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
		$I_{\rm O}$ = -2.3 mA; $V_{\rm CC}$ = 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	-	-	0.3 × V _{CC}	V
		I _O = 1.7 mA; V _{CC} = 1.4 V	-	-	0.37	V
		I _O = 1.9 mA; V _{CC} = 1.65 V	-	-	0.35	V
		$I_{\rm O}$ = 2.3 mA; $V_{\rm CC}$ = 2.3 V	-	-	0.33	V
		I _O = 3.1 mA; V _{CC} = 2.3 V	-	-	0.45	V
		I _O = 2.7 mA; V _{CC} = 3.0 V	-	-	0.33	V
		I _O = 4.0 mA; V _{CC} = 3.0 V	-	-	0.45	V
l	input leakage current	V_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.5	μA
I _{OFF}	power-off leakage current	V_1 or V_0 = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.5	μA
Δl _{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.6	μA
I _{CC}	supply current	$V_1 = GND \text{ or } V_{CC}; I_0 = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.9	μA

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
ΔI _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A};$ ^[1] $V_{CC} = 3.3 \text{ V}$	-	-	50	μA
$T_{amb} = -40$) °C to +125 °C					
V _{IH}	HIGH-level input voltage	nput voltage V _{CC} = 0.8 V		-	-	V
		V _{CC} = 0.9 V to 1.95 V	0.70 × V _{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 voltage	V _{CC} = 0.8 V	-	-	0.25 × V _{CC}	V
		V _{CC} = 0.9 V to 1.95 V	-	-	0.30 × V _{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 voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_{\rm O}$ = -20 $\mu \text{A}; V_{\rm CC}$ = 0.8 V to 3.6 V	V _{CC} - 0.11	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.6 × V _{CC}	-	-	V
		I _O = -1.7 mA; V _{CC} = 1.4 V	0.93	-	-	V
		I _O = -1.9 mA; V _{CC} = 1.65 V	1.17	-	-	V
		$I_{\rm O}$ = -2.3 mA; $V_{\rm CC}$ = 2.3 V	1.77	-	-	V
		I _O = -3.1 mA; V _{CC} = 2.3 V	1.67	-	-	V
		$I_{\rm O}$ = -2.7 mA; $V_{\rm CC}$ = 3.0 V	2.40	-	-	V
		I _O = -4.0 mA; V _{CC} = 3.0 V	2.30	-	-	V
V _{OL}	LOW-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_{\rm O}$ = 20 µA; $V_{\rm CC}$ = 0.8 V to 3.6 V	-	-	0.11	V
		I _O = 1.1 mA; V _{CC} = 1.1 V	-	-	0.33 × V _{CC}	V
		I _O = 1.7 mA; V _{CC} = 1.4 V	-	-	0.41	V
		I _O = 1.9 mA; V _{CC} = 1.65 V	-	-	0.39	V
		I _O = 2.3 mA; V _{CC} = 2.3 V	-	-	0.36	V
		I _O = 3.1 mA; V _{CC} = 2.3 V	-	-	0.50	V
		I _O = 2.7 mA; V _{CC} = 3.0 V	-	-	0.36	V
		I _O = 4.0 mA; V _{CC} = 3.0 V	-	-	0.50	V
I _I	input leakage current	V_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.75	μA
I _{OFF}	power-off leakage current	V_1 or V_0 = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.75	μA
ΔI _{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.75	μA
I _{CC}	supply current	$V_{I} = \text{GND or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	1.4	μA
Δl _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A};$ $V_{CC} = 3.3 \text{ V}$ [1]	-	-	75	μA

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

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11 Dynamic characteristics

Table 9. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Figure 11.

Symbol	Parameter	Conditions		25 °C		-40 °C to +125 °C			Unit
				Тур ^[1]	Мах	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pF				· · · · ·				1	_
t _{pd}	propagation	A, B or C to Y; see <u>Figure 10</u> ^[2]							
	delay	V _{CC} = 0.8 V	-	18.5	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.2	5.4	10.6	2.2	10.9	11.1	ns
		V _{CC} = 1.4 V to 1.6 V	1.9	3.8	6.4	1.8	6.9	7.2	ns
		V _{CC} = 1.65 V to 1.95 V	1.5	3.1	5.1	1.4	5.6	5.9	ns
		V_{CC} = 2.3 V to 2.7 V	1.3	2.4	3.7	1.2	4.1	4.4	ns
		V _{CC} = 3.0 V to 3.6 V	1.2	2.2	3.2	1.1	3.4	3.6	ns
C _L = 10 p	F	1	<u> </u>			<u> </u>	1	I	
t _{pd}	propagation	A, B or C to Y; see Figure 10 ^[2]							
	delay	V _{CC} = 0.8 V	-	22.1	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.6	6.3	12.4	2.5	12.8	13.1	ns
		V _{CC} = 1.4 V to 1.6 V	2.3	4.4	7.4	2.1	8.0	8.4	ns
		V _{CC} = 1.65 V to 1.95 V	2.0	3.6	5.9	1.8	6.4	6.8	ns
		V_{CC} = 2.3 V to 2.7 V	1.7	3.0	4.4	1.6	4.8	5.1	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	2.7	3.9	1.4	4.2	4.4	ns
C _L = 15 p	F	1		<u> </u>					
t _{pd}	propagation	A, B or C to Y; see Figure 10 ^[2]							
	delay	V _{CC} = 0.8 V	-	25.6	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.0	7.1	14.1	2.8	14.6	14.9	ns
		V _{CC} = 1.4 V to 1.6 V	2.6	5.0	8.4	2.4	9.1	9.5	ns
		V _{CC} = 1.65 V to 1.95 V	2.2	4.1	6.7	2.1	7.4	7.8	ns
		V_{CC} = 2.3 V to 2.7 V	2.0	3.4	5.0	1.9	5.5	5.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.9	3.2	4.5	1.7	4.8	5.0	ns
C _L = 30 p	F	1	<u> </u>			<u> </u>	1	1	
t _{pd}	propagation	A, B or C to Y; see Figure 10 ^[2]							
	delay	V _{CC} = 0.8 V	-	34.1	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.9	9.3	18.9	3.7	19.7	20.1	ns
		V _{CC} = 1.4 V to 1.6 V	3.4	6.5	11.0	3.2	12.1	12.7	ns
		V _{CC} = 1.65 V to 1.95 V	3.0	5.4	8.9	2.9	9.7	10.3	ns
		V _{CC} = 2.3 V to 2.7 V	2.8	4.5	6.5	2.6	7.1	7.5	ns
		V _{CC} = 3.0 V to 3.6 V	2.6	4.3	5.8	2.4	6.4	6.7	ns

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Low-power 3-input OR-AND gate

Symbol Parameter Conditions		Conditions		25 °C		-40	°C to +1	25 °C	Unit
			Min	Тур ^[1]	Мах	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pF	, 10 pF, 15 pF	and 30 pF					1	1	
C _{PD}	power	f_i = 1 MHz; V_I = GND to V_{CC}	[3]						
	dissipation capacitance	V _{CC} = 0.8 V	-	2.6	-	-	-	-	pF
		V _{CC} = 1.1 V to 1.3 V	-	2.7	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V	-	2.8	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	3.0	-	-	-	-	pF
		V _{CC} = 2.3 V to 2.7 V	-	3.5	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	4.0	-	-	-	-	pF

[1] [2] [3]

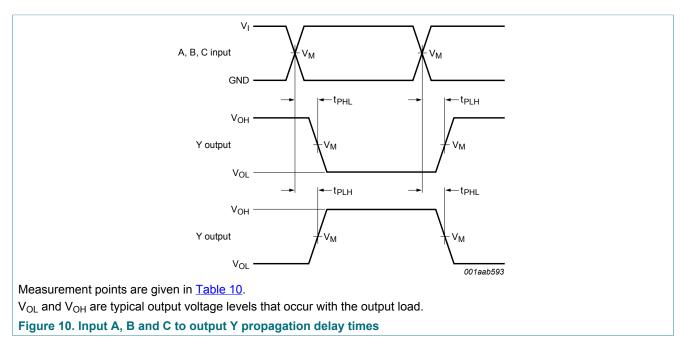
All typical values are measured at nominal V_{CC}. t_{pd} is the same as t_{PLH} and t_{PHL} . C_{PD} is used to determine the dynamic power dissipation (P_D in µW). $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma(C_L \times V_{CC}^2 \times f_o)$ where: $f_i = input frequency in MHz;$

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

Table 10. 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 × V _{CC}	0.5 × V _{CC}	V _{CC}	≤ 3.0 ns			

Low-power 3-input OR-AND gate

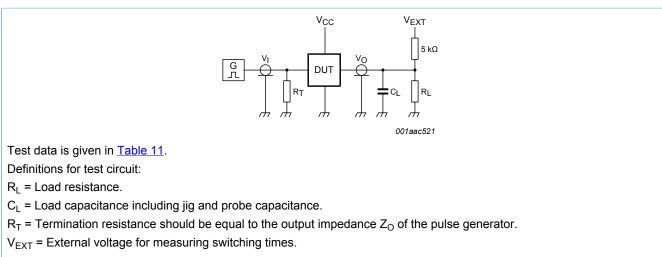


Figure 11. Test circuit for measuring switching times

Table 11. Test data

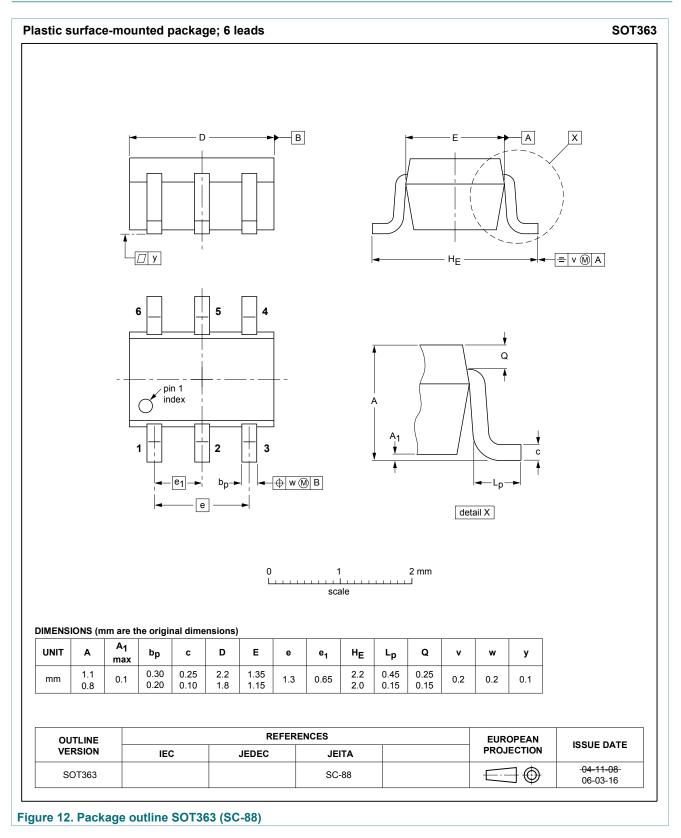
Supply voltage	Load		V _{EXT}		
V _{cc}	CL	R _L ^[1]	t _{PLH} , t _{PHL}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
0.8 V to 3.6 V	5 pF, 10 pF, 15 pF and 30 pF	5 kΩ or 1 MΩ	open	GND	2 × V _{CC}

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

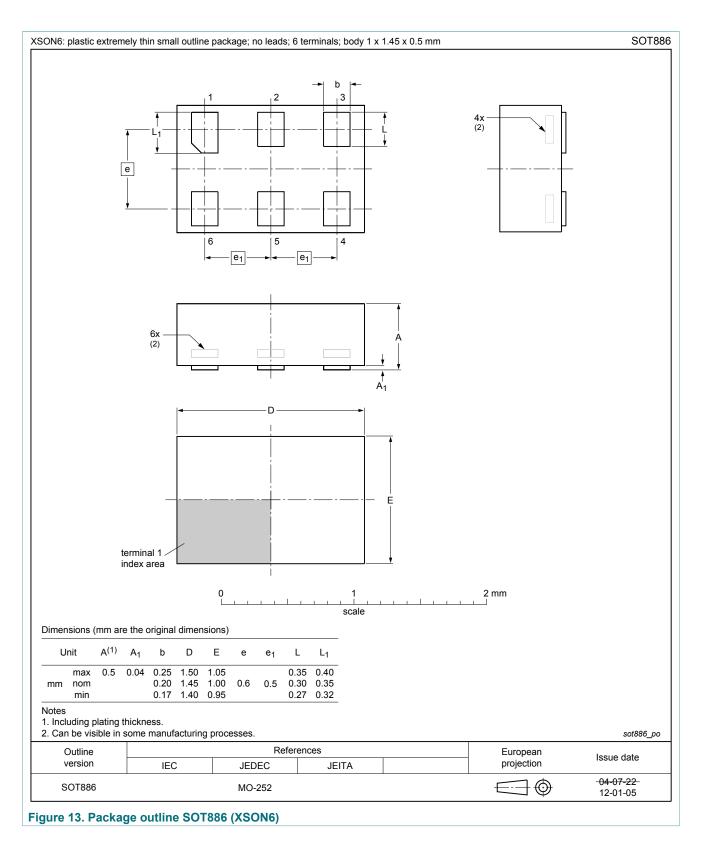
For measuring propagation delays, setup and hold times and pulse width R_L = 1 $M\Omega.$

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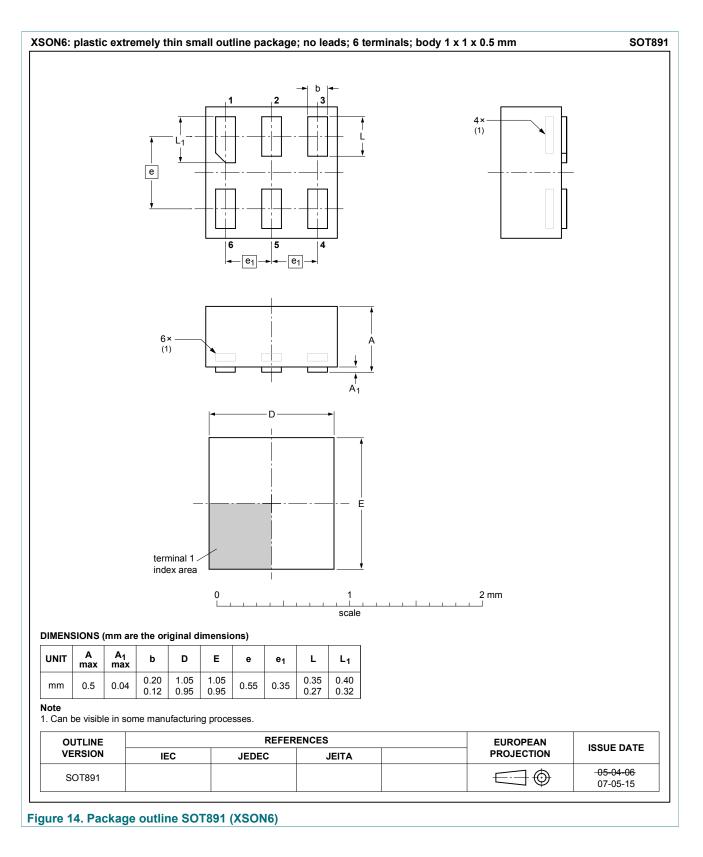
12 Package outline



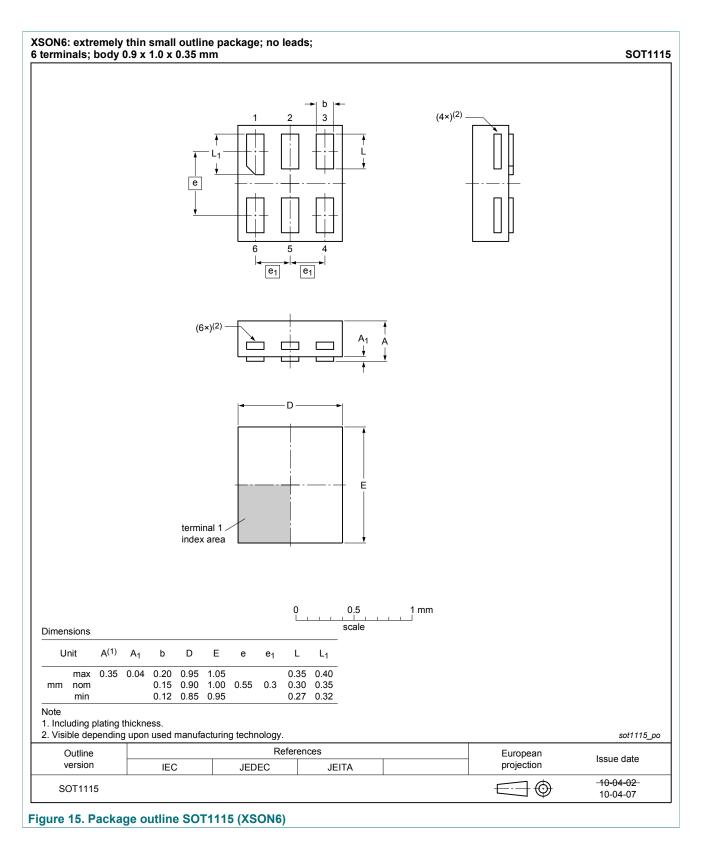
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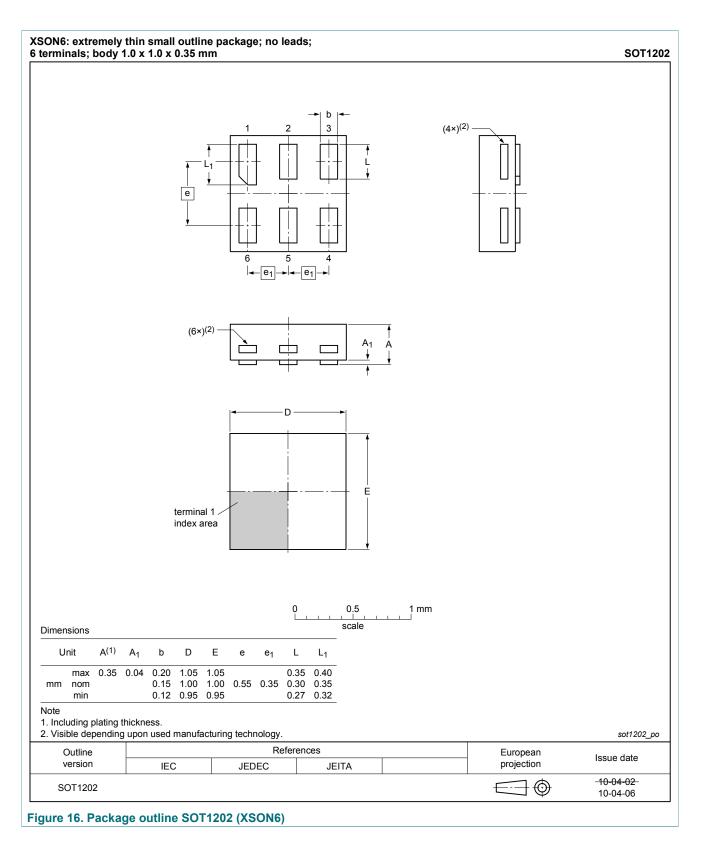
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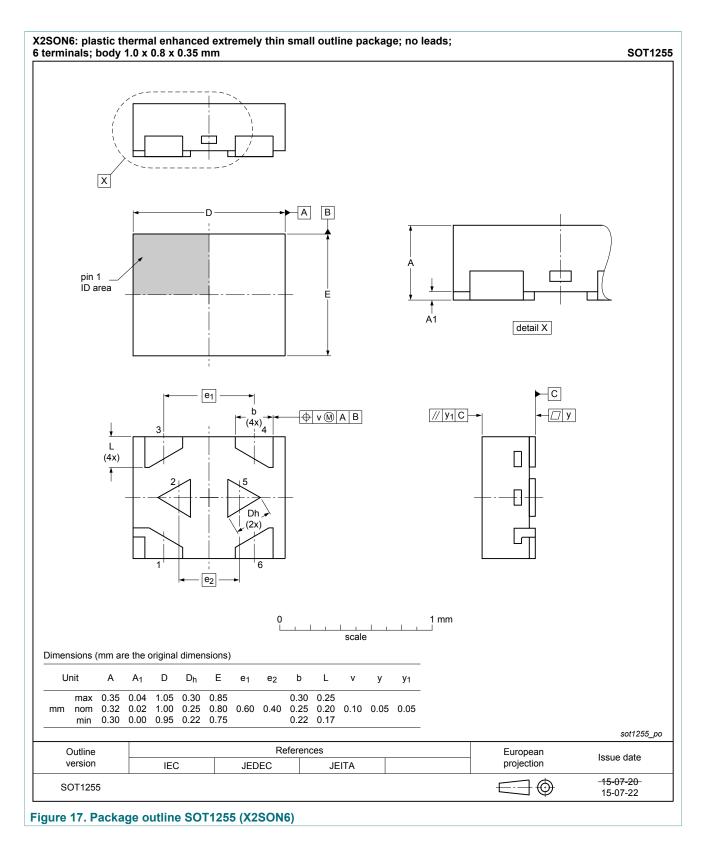
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13 Abbreviations

Table 12. Abbreviations		
Acronym	Description	
CDM	Charged Device Model	
DUT	Device Under Test	
ESD	ElectroStatic Discharge	
HBM	Human Body Model	
ММ	Machine Model	

14 Revision history

Table 13. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74AUP1G3208 v.7	20170307	Product data sheet	-	74AUP1G3208 v.6
Modifications:	 The format of this data sheet has been redesigned to comply with the new identity guidelines of Nexperia. Legal texts have been adapted to the new company name where appropriate. 			
74AUP1G3208 v.6	20160309	Product data sheet	-	74AUP1G3208 v.5
Modifications:	Added type number 74AUP1G3208GX (SOT1255/X2SON6)			
74AUP1G3208 v.5	20120622	Product data sheet	-	74AUP1G3208 v.4
Modifications:	Package outline drawing of SOT886 (Figure 13) modified.			
74AUP1G3208 v.4	20111123	Product data sheet	-	74AUP1G3208 v.3
Modifications:	Legal pages updated.			
74AUP1G3208 v.3	20101011	Product data sheet	-	74AUP1G3208 v.2
74AUP1G3208 v.2	20090703	Product data sheet	-	74AUP1G3208 v.1
74AUP1G3208 v.1	20061129	Product data sheet	-	-

15 Legal information

15.1 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.

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

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

[2] [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.nexperia.com.

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