74AUP1G3208

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

Product data sheet

General description

The 74AUP1G3208 provides the Boolean function: Y = (A + B) × 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



3 Ordering information

Table 1. Ordering information

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				

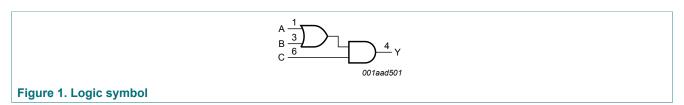
4 Marking

Table 2. Marking

Table 2. Walking	
Type number	Marking code ^[1]
74AUP1G3208GW	a2
74AUP1G3208GM	a2
74AUP1G3208GF	a2
74AUP1G3208GN	a2
74AUP1G3208GS	a2
74AUP1G3208GX	a2

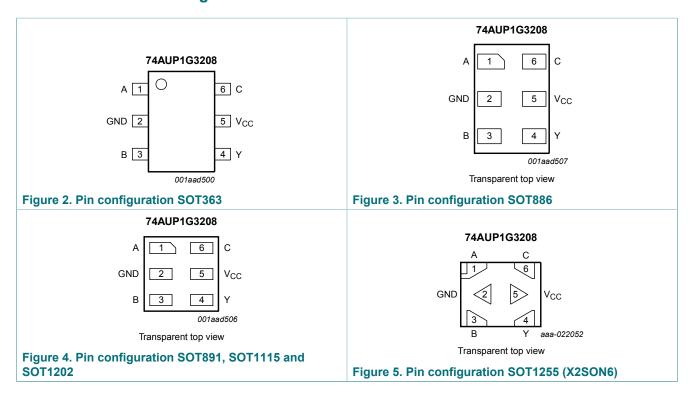
^[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5 Functional diagram



6 Pinning information

6.1 Pinning



6.2 Pin description

Table 3. Pin description

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

7 Functional description

Table 4. Function table [1]

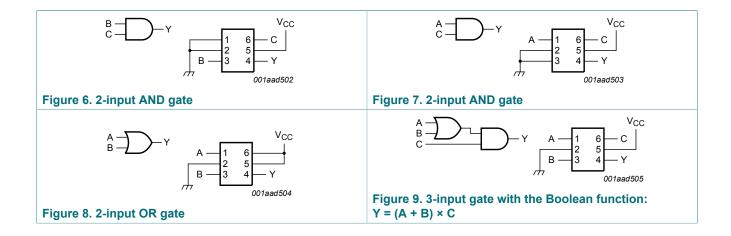
Input			Output
С	В	A	Υ
L	L	L	L
L	L	Н	L
L	Н	L	L
L	Н	Н	L
Н	L	L	L
Н	L	Н	Н
Н	Н	L	Н
Н	Н	Н	Н

^[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 Figure 6 and Figure 7
2-input OR	see Figure 8
3-input gate with the Boolean function: Y = (A + B) × C	see Figure 9



8 Limiting values

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	l	^{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 _{OK}	output clamping current	V _O < 0 V	-50	-	mA
I _O	output current	$V_O = 0 \text{ V to } V_{CC}$	-	±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

^[1] The minimum input and output voltage ratings may be exceeded if the input and output current ratings are observed. [2] For SC-88 packages: above 87.5 °C the value of P_{tot} derates linearly with 4.0 mW/K.

9 Recommended operating conditions

Table 7. Recommended 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	-	200	ns/V

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

10 Static characteristics

Table 8. Static characteristics

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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
T _{amb} = 25	°C				ı	
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 × V _{CC}	-	-	V
		V _{CC} = 2.3 V to 2.7 V	1.6	-	-	V
		voltage	-	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} H	HIGH-level output voltage	$V_{I} = V_{IH}$ or V_{IL}				
		I_{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 _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 voltage	$V_{I} = V_{IH}$ or V_{IL}				
		I_{O} = 20 μ A; V_{CC} = 0.8 V to 3.6 V	-	-	0.1	V
Voh H		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
		$I_{\rm O}$ = 2.3 mA; $V_{\rm CC}$ = 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
l _l	input leakage current	V_I = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.1	μΑ
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	μΑ
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	μΑ

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
ΔI _{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A};$ $V_{CC} = 3.3 \text{ V}$	-	-	40	μΑ
Cı	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} = -4	°C to +85 °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 × 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	O = 0 A;	0.9	V	
V _{OH}	HIGH-level output voltage	$V_I = V_{IH}$ or V_{IL}				
		I_{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	0.7 × 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 _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	$V_I = V_{IH}$ or V_{IL}				
		$I_{\rm O}$ = 20 μ A; $V_{\rm CC}$ = 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
		$I_{\rm O}$ = 3.1 mA; $V_{\rm CC}$ = 2.3 V	-	-	0.45	V
		$I_{\rm O}$ = 2.7 mA; $V_{\rm CC}$ = 3.0 V	-	-	0.33	V
		$I_{\rm O}$ = 4.0 mA; $V_{\rm CC}$ = 3.0 V	-	-	0.45	V
I _I	input leakage current	V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V	-	-	±0.5	μΑ
I _{OFF}	power-off leakage current	V_I or V_O = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.5	μA
Δl _{OFF}	additional power-off leakage current	V ₁ or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V	-	-	±0.6	μΑ
I _{CC}	supply current	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.9	μΑ

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
ΔI _{CC}	additional supply current	$V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A};$ $V_{CC} = 3.3 \text{ V}$	-	-	50	μΑ
T _{amb} = -40	0 °C to +125 °C			·		
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	0.75 × V _{CC}	-	-	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 _{OH}		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} F	HIGH-level output voltage	$V_{I} = V_{IH}$ or V_{IL}				
		I_{O} = -20 μ A; V_{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_{O} = -2.7 mA; V_{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	$V_I = V_{IH}$ or V_{IL}				
		I_{O} = 20 μ A; V_{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_{I} or $V_{O} = 0 \text{ V to } 3.6 \text{ V; } V_{CC} = 0 \text{ V}$	-	-	±0.75	μA
Δl _{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	-	-	±0.75	μΑ
I _{CC}	supply current	V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 0.8 V to 3.6 V	-	-	1.4	μΑ
ΔI _{CC}	additional supply current	$V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A};$ $V_{CC} = 3.3 \text{ V}$	-	-	75	μΑ

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

11 Dynamic characteristics

Table 9. Dynamic characteristics

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

Symbol	Parameter	meter Conditions		25 °C			-40 °C to +125 °C		
			Min	Typ ^[1]	Max	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pF									
t _{pd}	propagation	A, B or C to Y; see Figure 10 [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							,	,
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								,
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								
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

74AUP1G3208

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Symbol	Parameter	rameter Conditions		25 °C		-40 °C to +125 °C			Unit
			Min	Typ ^[1]	Max	Min	Max (85 °C)	Max (125 °C)	
$C_L = 5 pF$, 10 pF, 15 pF	and 30 pF					'		
C _{PD}	power	$f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$ [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

- 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 μ 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: f_i = input frequency in MHz;

f_o = output frequency in MHz;

C_L = output load capacitance in pF;

V_{CC} = supply voltage in V;

N = number of inputs switching; $\Sigma(C_L \times V_{CC}^2 \times f_0) = \text{sum of the outputs.}$

11.1 Waveforms and test circuit

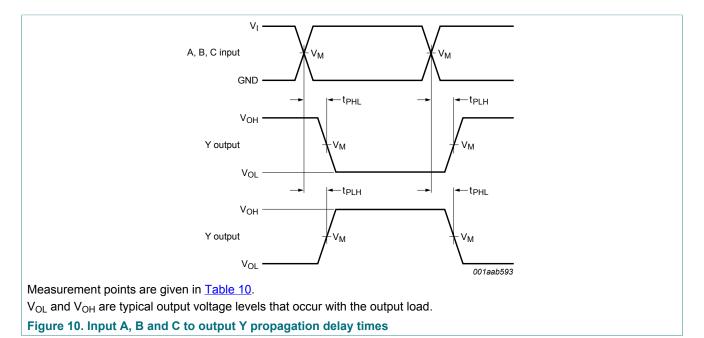
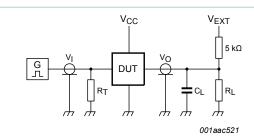


Table 10. Measurement points

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



Test data is given in Table 11.

Definitions for test circuit:

 R_L = Load resistance.

C_L = Load capacitance including jig and probe capacitance.

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

 V_{EXT} = External voltage for measuring switching times.

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

12 Package outline

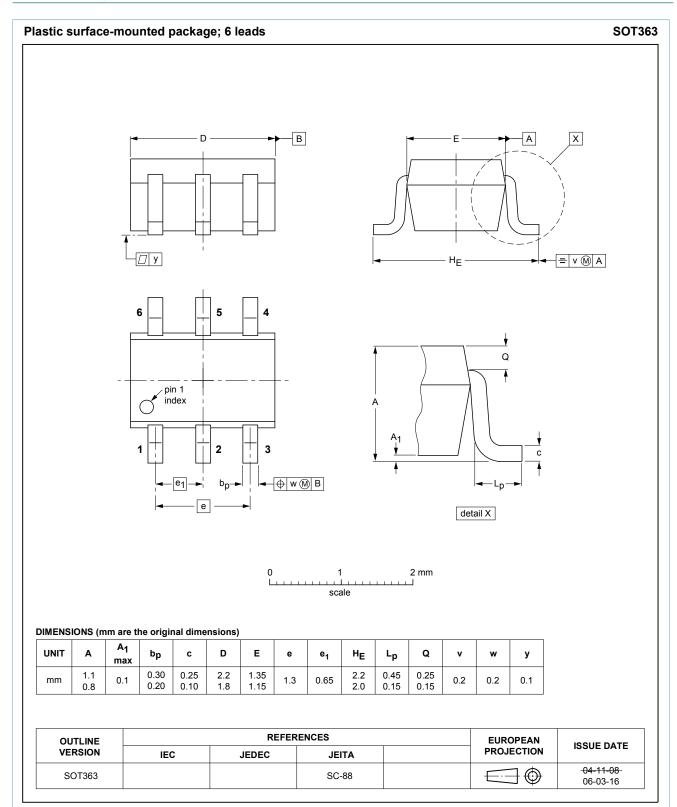
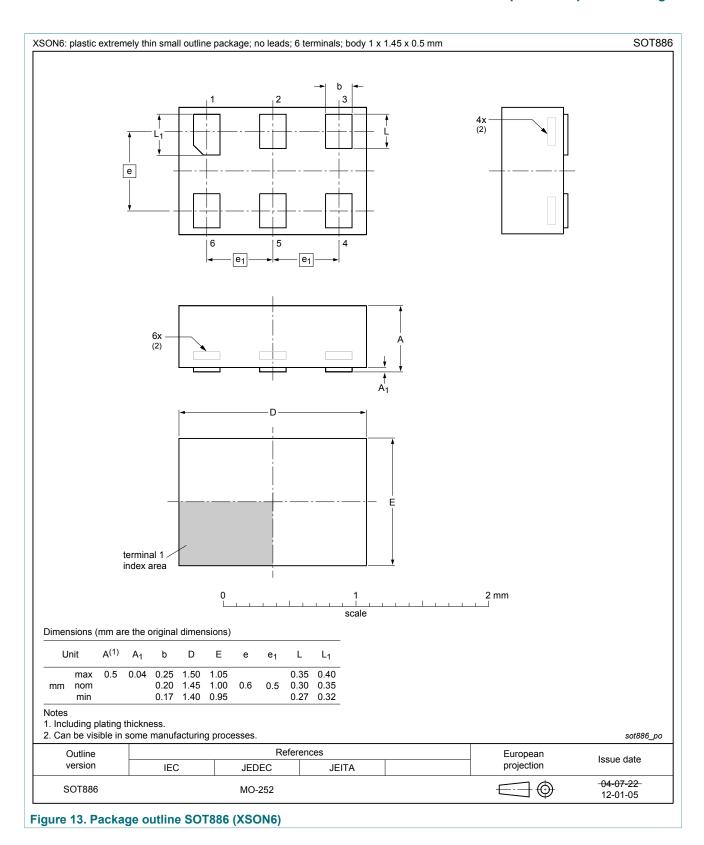


Figure 12. Package outline SOT363 (SC-88)



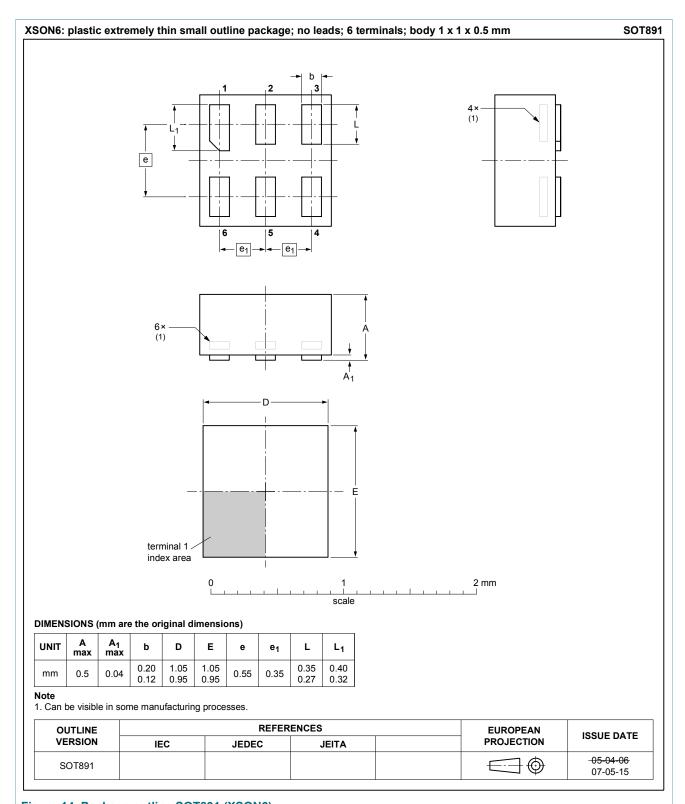
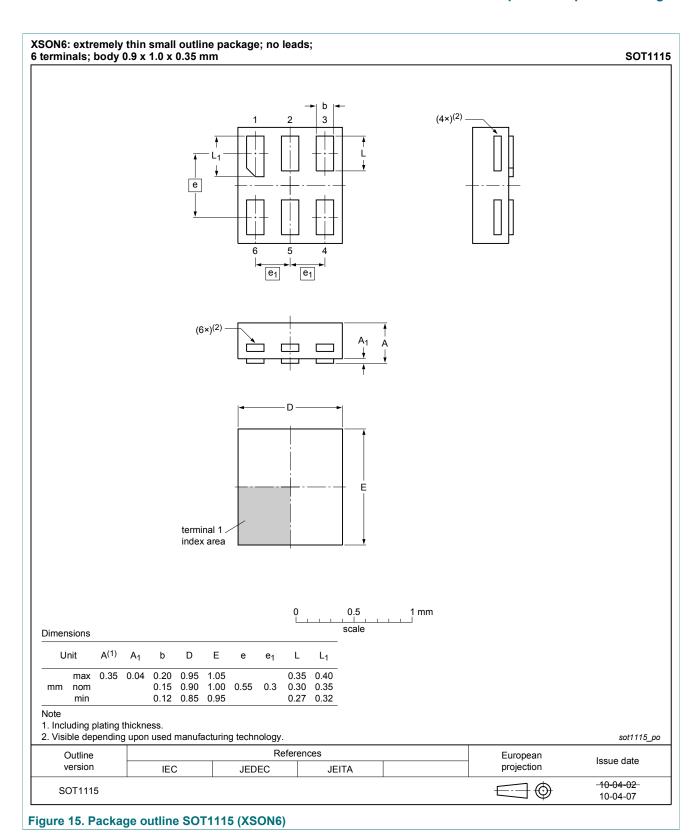


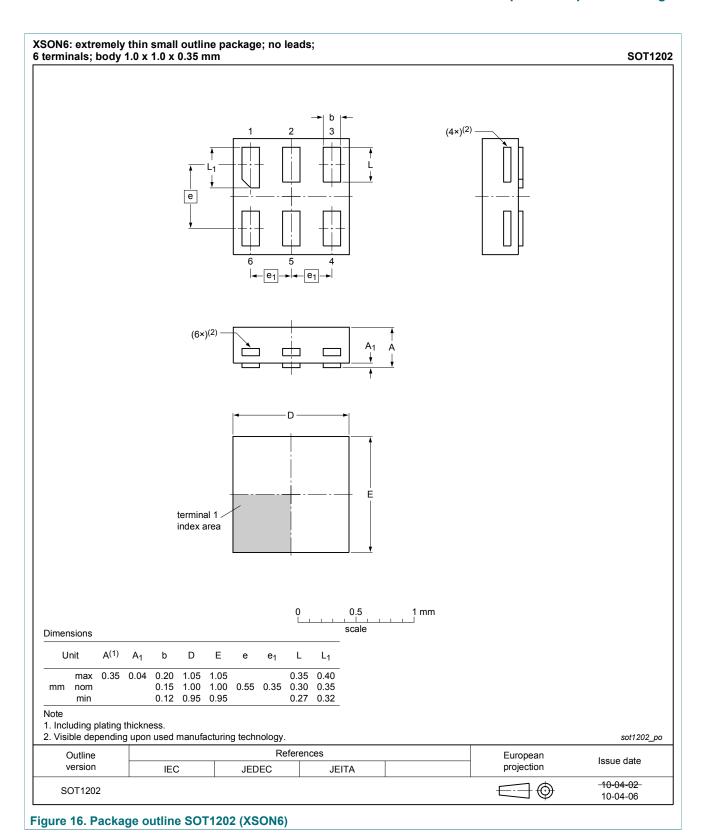
Figure 14. Package outline SOT891 (XSON6)



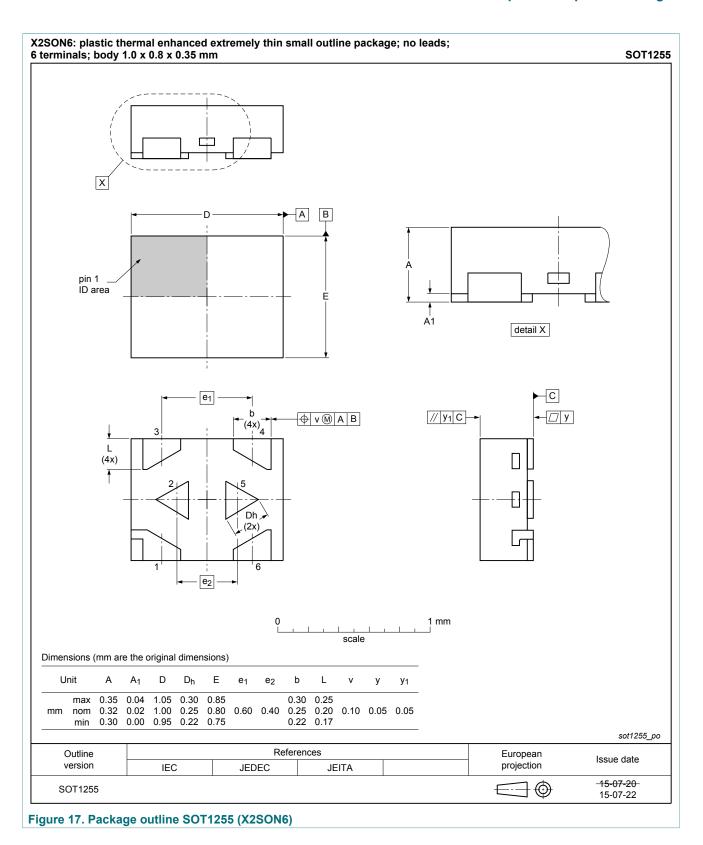
74AUP1G3208

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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
MM	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:	of Nexperia.	 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 num	Added type number 74AUP1G3208GX (SOT1255/X2SON6)			
74AUP1G3208 v.5	20120622	Product data sheet	-	74AUP1G3208 v.4	
Modifications:	Package outline	Package outline drawing of SOT886 (Figure 13) modified.			
74AUP1G3208 v.4	20111123	Product data sheet	-	74AUP1G3208 v.3	
Modifications:	Legal pages upd	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.
- The term 'short data sheet' is explained in section "Definitions". [2] [3]
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Low-power 3-input OR-AND gate

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