Low-power dual 2-input AND gate Rev. 9 — 3 July 2017

Product data sheet

General description 1

The 74AUP2G08 provides the dual 2-input AND 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.

Features and benefits 2

- 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

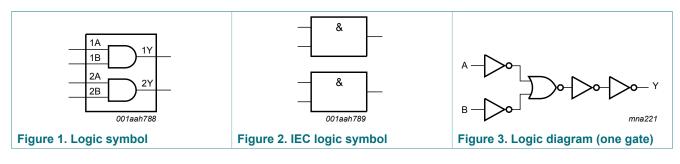
Table 1. Ordering	information			
Type number	Package			
	Temperature range	Name	Description	Version
74AUP2G08DC	-40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1
74AUP2G08GT	-40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 × 1.95 × 0.5 mm	SOT833-1
74AUP2G08GF	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1 × 0.5 mm	SOT1089
74AUP2G08GM	-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
74AUP2G08GN	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.2 × 1.0 × 0.35 mm	SOT1116
74AUP2G08GS	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1.0 × 0.35 mm	SOT1203
74AUP2G08GX	-40 °C to +125 °C	X2SON8	plastic thermal enhanced extremely thin small outline package; no leads; 8 terminals; body 1.35 × 0.8 × 0.35 mm	SOT1233

4 Marking

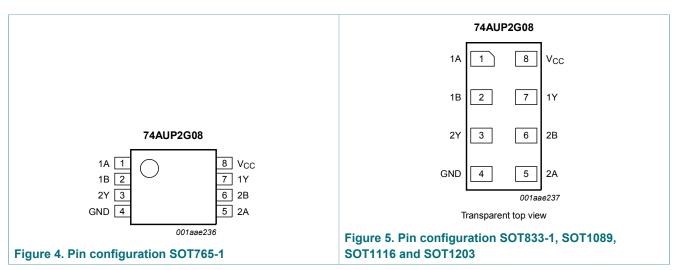
Table 2. Marking						
Type number	Marking code ^[1]					
74AUP2G08DC	p08					
74AUP2G08GT	p08					
74AUP2G08GF	pE					
74AUP2G08GM	p08					
74AUP2G08GN	pE					
74AUP2G08GS	pE					
74AUP2G08GX	pE					

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

5 Functional diagram

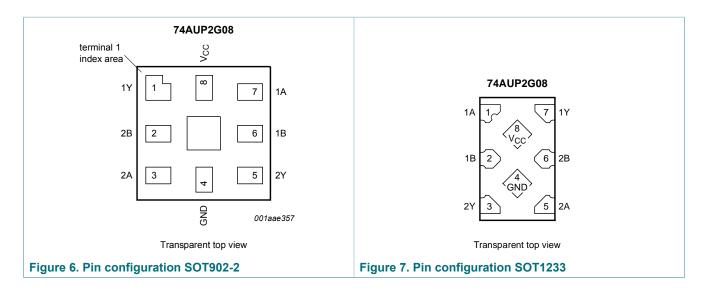


6 Pinning information



6.1 Pinning

Low-power dual 2-input AND gate



6.2 Pin description

Table 3. Pin description

Symbol	Pin	Pin				
	SOT765-1, SOT833-1, SOT1089, SOT1116, SOT1203 and SOT1233	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			

Functional description 7

Table 4. Function table ^[1]

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

[1] H = HIGH voltage level; L = LOW voltage level.

Limiting values 8

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	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 _{OK}	output clamping current	V ₀ < 0 V	-50	-	mA
I _O	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

The minimum input and output voltage ratings may be exceeded if the input and output current ratings are observed. For VSSOP8 packages: above 110 $^\circ$ C the value of P_{tot} derates linearly with 8.0 mW/K. [1] [2]

For XSON8 and XQFN8 packages: above 118 °C the value of Ptot derates linearly with 7.8 mW/K. For X2SON8 package: above 118 °C the value of Ptot derates linearly with 7.7 mW/K.

Recommended operating conditions 9

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	-	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} = 25	°C			1	<u> </u>	
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 $\mu \text{A}; \text{V}_{\rm CC}$ = 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	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		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
		$I_{\rm O}$ = 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
		$I_{\rm O}$ = 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	$V_{\rm I}$ = GND to 3.6 V; $V_{\rm CC}$ = 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	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.2	μA
I _{CC}	supply current	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.5	μA

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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}; $ [1] $V_{CC} = 3.3 \text{ V}; \text{ per pin}$	-	-	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_{O} = GND; V_{CC} = 0 V	-	1.3	-	pF
$T_{amb} = -40$	0 °C to +85 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	$0.70 \times V_{CC}$	-	-	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_{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	$0.7 \times V_{CC}$	-	-	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	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_{\rm O}$ = 20 µA; $V_{\rm CC}$ = 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_{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
I	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
ΔI _{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.6	μA
I _{CC}	supply current	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A}; V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.9	μA

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Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
ΔI _{CC}	additional supply current		-	-	50	μA
T _{amb} = -4	0 °C to +125 °C				1	
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	$0.75 \times V_{CC}$	-	-	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
VIL	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_{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	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 _O = -2.3 mA; V _{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	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		I_{O} = 20 µA; 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
		$I_0 = 4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.50	V
lı	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	$V_{1} \text{ or } V_{0} = 0 \text{ V to } 3.6 \text{ V; } V_{CC} = 0 \text{ V}$	-	_	±0.75	μA
ΔI _{OFF}	additional power-off leakage current	$V_{I} \text{ or } V_{O} = 0 \text{ V to } 3.6 \text{ V;}$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.75	μA
I _{CC}	supply current	V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 0.8 V to 3.6 V	-	-	1.4	μA
∆l _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A};$ [1] $V_{CC} = 3.3 \text{ V}; \text{ per pin}$	-	-	75	μA

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

11 Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Figure 9.

Symbol	Parameter	Conditions	Ta	mb = 25 °	°C	T _{amb}	= -40 °C t	o +125 °C	Unit
			Min	Typ ^[1]	Мах	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pF								·	
t _{pd}	propagation	nA, nB to nY; see Figure 8 [2]							
	delay	V _{CC} = 0.8 V	-	17.0	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.6	5.1	10.8	2.1	11.7	12.9	ns
		V _{CC} = 1.4 V to 1.6 V	1.6	3.7	6.5	1.5	7.5	8.3	ns
		V _{CC} = 1.65 V to 1.95 V	1.3	3.0	5.2	1.3	6.1	6.7	ns
		V_{CC} = 2.3 V to 2.7 V	1.1	2.4	4.0	1.0	4.8	5.3	ns
		V _{CC} = 3.0 V to 3.6 V	1.0	2.2	3.5	0.9	4.3	4.8	ns
C _L = 10 p	F						1	1	
t _{pd}	propagation	nA, nB to nY; see Figure 8 [2]							
	delay	V _{CC} = 0.8 V	-	20.6	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.4	6.0	12.5	2.2	13.6	15.0	ns
		V _{CC} = 1.4 V to 1.6 V	2.0	4.3	7.6	1.8	8.9	9.8	ns
		V _{CC} = 1.65 V to 1.95 V	1.7	3.6	6.1	1.6	7.2	7.9	ns
		V_{CC} = 2.3 V to 2.7 V	1.4	2.9	4.8	1.3	5.7	6.3	ns
		V _{CC} = 3.0 V to 3.6 V	1.3	2.7	4.2	1.2	4.7	5.2	ns
C _L = 15 p	F						1		,
t _{pd}	propagation	nA, nB to nY; see Figure 8 ^[2]							
	delay	V _{CC} = 0.8 V	-	24.1	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.4	6.8	14.2	3.1	15.7	17.3	ns
		V _{CC} = 1.4 V to 1.6 V	2.3	4.9	8.6	2.1	10.1	11.2	ns
		V _{CC} = 1.65 V to 1.95 V	1.9	4.0	6.9	1.8	8.2	9.0	ns
		V_{CC} = 2.3 V to 2.7 V	1.7	3.4	5.5	1.6	6.5	7.2	ns
		V _{CC} = 3.0 V to 3.6 V	1.5	3.1	4.8	1.5	5.9	6.5	ns
C _L = 30 p	F	·							
t _{pd}	propagation	nA, nB to nY; see Figure 8 ^[2]							
	delay	V _{CC} = 0.8 V	-	34.4	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.6	9.1	19.4	4.1	21.8	24.0	ns
		V _{CC} = 1.4 V to 1.6 V	3.4	6.4	11.5	2.9	13.6	15.0	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	5.3	9.1	2.4	10.9	12.1	ns
		V _{CC} = 2.3 V to 2.7 V	2.3	4.5	7.2	2.2	8.6	9.5	ns
		V _{CC} = 3.0 V to 3.6 V	2.2	4.2	6.2	2.1	7.5	8.3	ns

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Low-power dual 2-input AND gate

Symbol	Symbol Parameter Conditions		Ta	T _{amb} = 25 °C		T _{amb} = -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	$f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{\text{CC}}$ ^[3]]						
	dissipation capacitance	V _{CC} = 0.8 V	-	2.5	-	-	-	-	pF
		V _{CC} = 1.1 V to 1.3 V	-	2.6	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V	-	2.7	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	2.8	-	-	-	-	pF
		V _{CC} = 2.3 V to 2.7 V	-	3.2	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	3.7	-	-	-	-	pF

All typical values are measured at nominal $\ensuremath{\mathsf{V}_{\text{CC}}}$

[1] [2] [3]

 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).

 $P_{D} = C_{PD} \times V_{CC}^{2} \times f_{i} \times N + \Sigma (C_{L} \times V_{CC}^{2} \times f_{o}) \text{ where:}$

 f_i = input frequency in MHz;

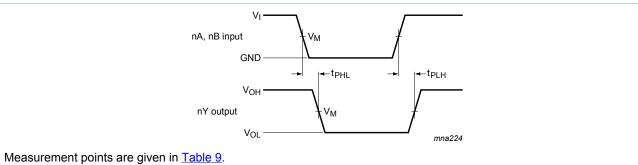
fo = output frequency in MHz;

 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 outputs.

11.1 Waveforms and test circuit



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

Figure 8. 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 × V _{CC}	0.5 × V _{CC}	V _{CC}	≤ 3.0 ns		

Low-power dual 2-input AND gate

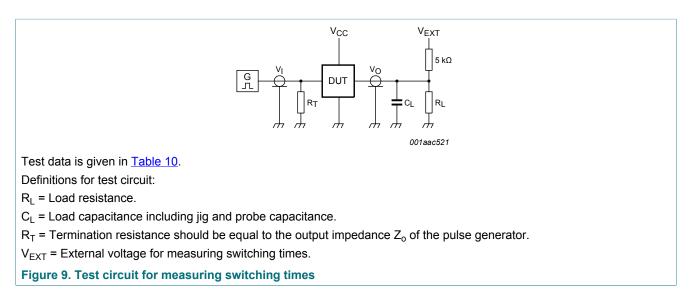


Table 10. Test data

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 k Ω or 1 M Ω	open	GND	$2 \times V_{CC}$

[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 Ω .

12 Package outline

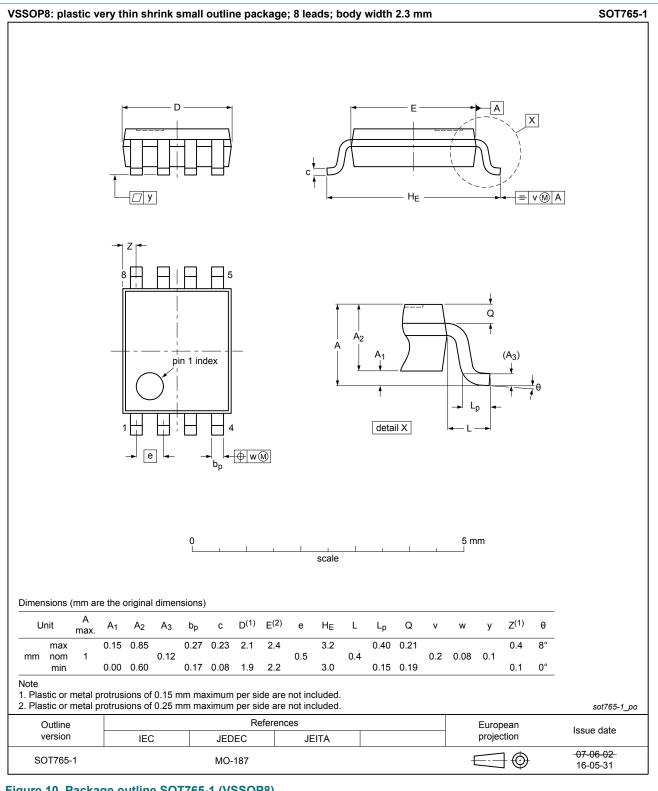
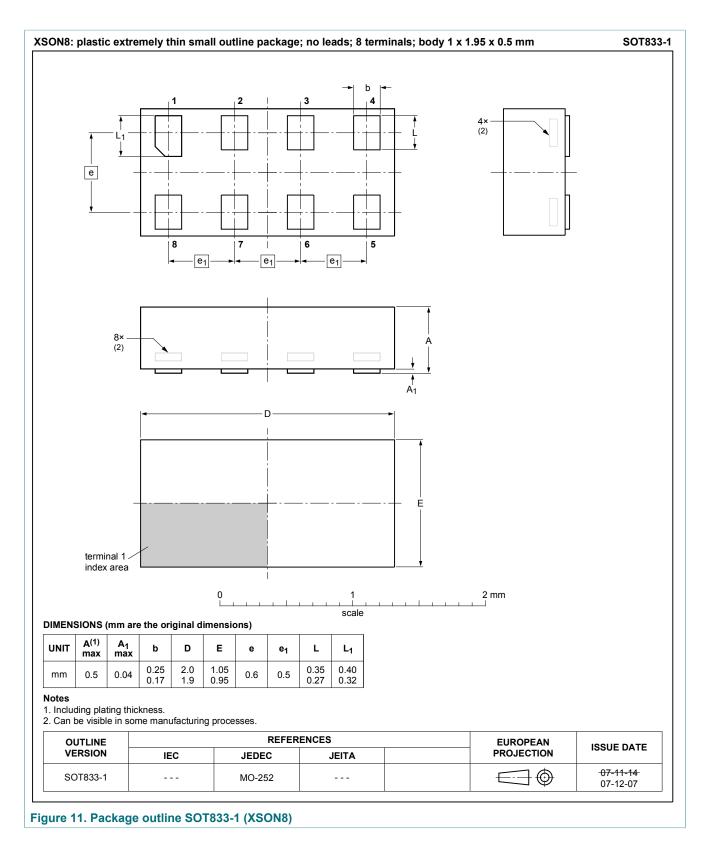


Figure 10. Package outline SOT765-1 (VSSOP8)

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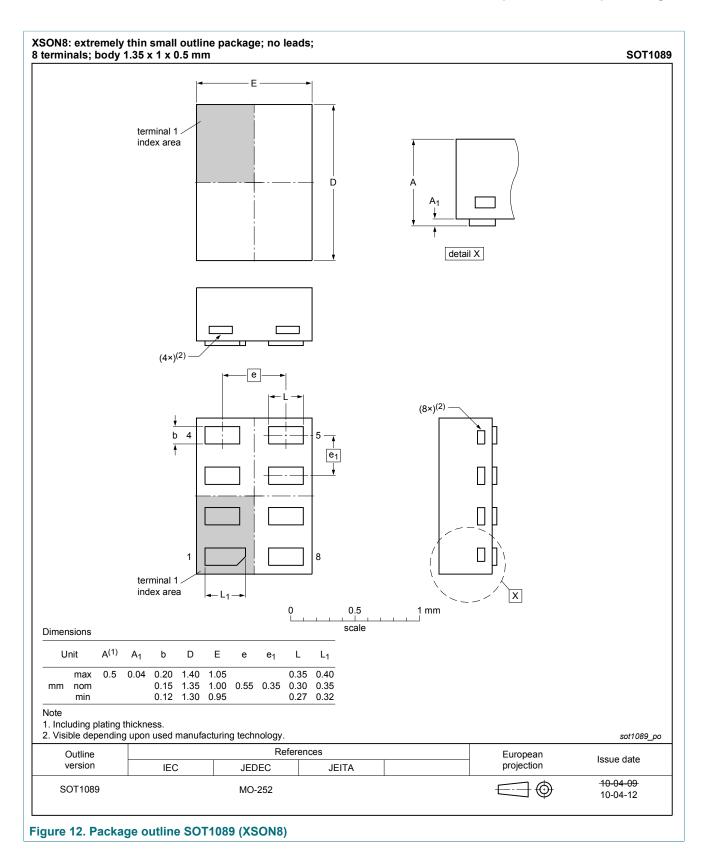
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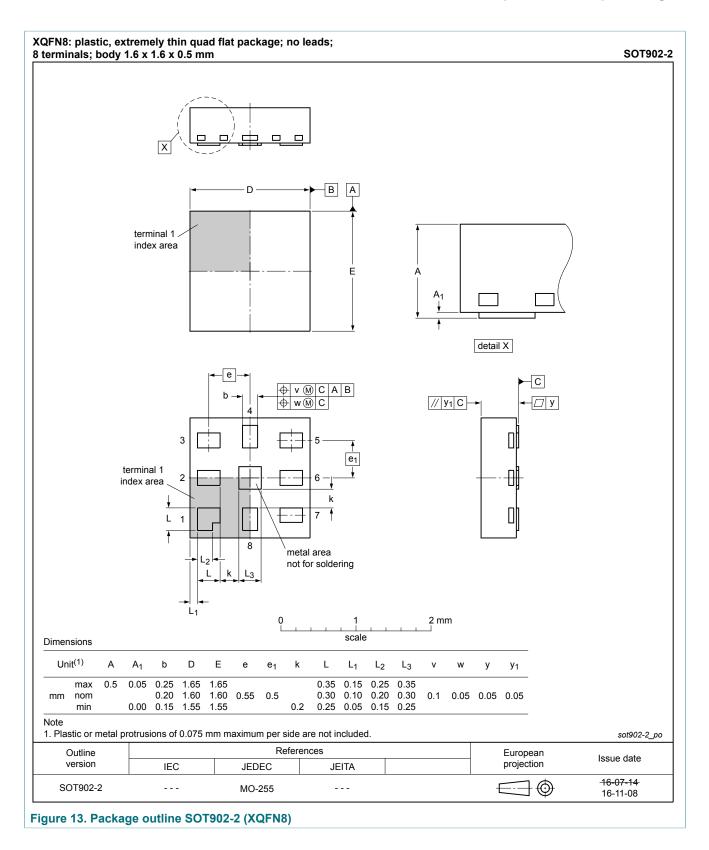
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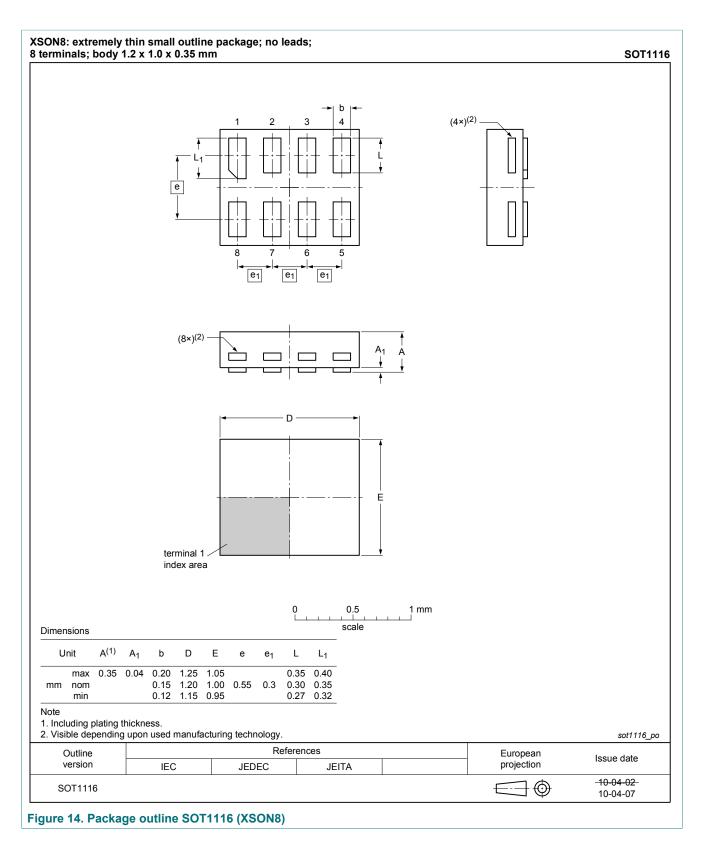
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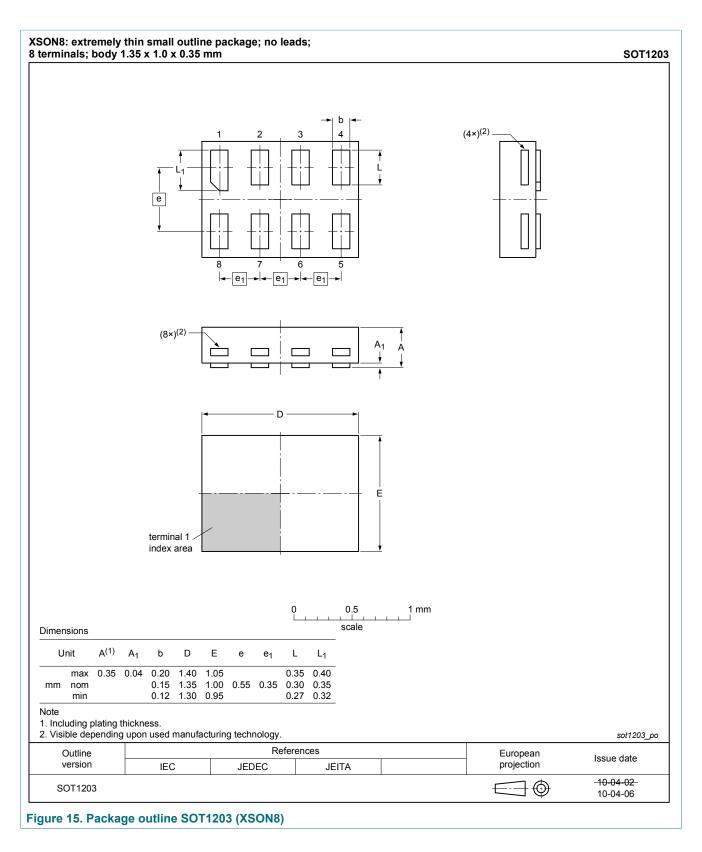
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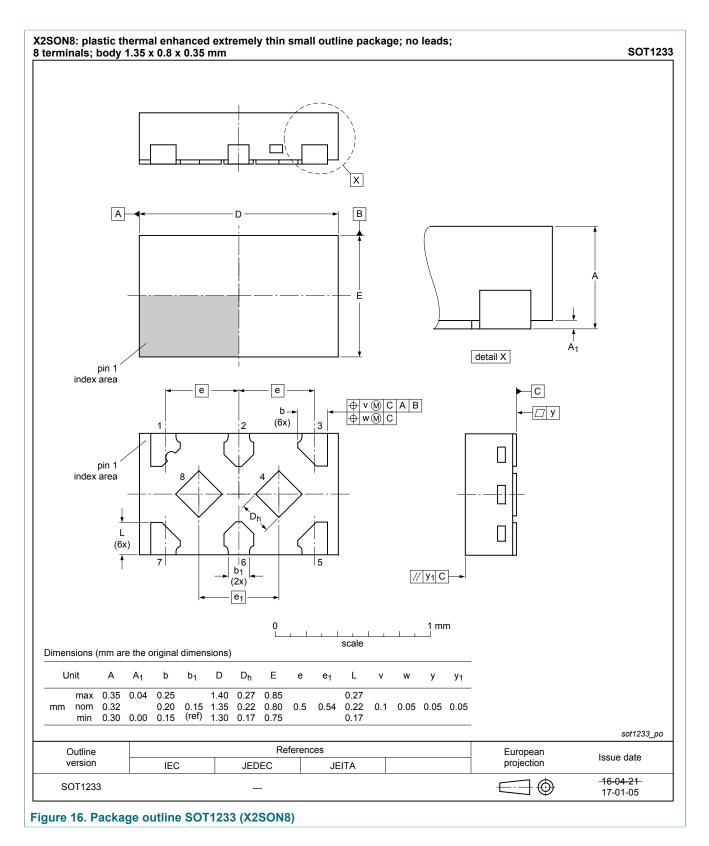
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Product data sheet

13 Abbreviations

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

14 Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes	
74AUP2G08 v.9	20170703	Product data sheet	-	74AUP2G08 v.8	
Modifications:	of Nexperia. • Legal texts ha • <u>Figure 7</u> and	 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. Figure 7 and Figure 16 (drawings SOT1233/X2SON8) updated Type number 74AUP2G08GD removed. 			
74AUP2G08 v.8	20161028	Product data sheet	-	74AUP2G08 v.7	
Modifications:	 Added type n 	umber 74AUP2G08GX (S	SOT1233/X2SON8)		
74AUP2G08 v.7	20130118	Product data sheet	-	74AUP2G08 v.6	
Modifications:	 For type num 	ber 74AUP2G08GD XSC	N8U has changed to	XSON8.	
74AUP2G08 v.6	20120607	Product data sheet	-	74AUP2G08 v.5	
74AUP2G08 v.5	20111201	Product data sheet	-	74AUP2G08 v.4	
74AUP2G08 v.4	20101109	Product data sheet	-	74AUP2G08 v.3	
74AUP2G08 v.3	20080529	Product data sheet	-	74AUP2G08 v.2	
74AUP2G08 v.2	20080407	Product data sheet	-	74AUP2G08 v.1	
74AUP2G08 v.1	20061006	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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