Low-power inverter with open-drain output Rev. 8 — 12 February 2018

Product data sheet

1 General description

The 74AUP1G06 provides the single inverting buffer with open-drain output. The output of the device is an open drain and can be connected to other open-drain outputs to implement active-LOW wired-OR or active-HIGH wired-AND functions.

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}
- IOFF 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

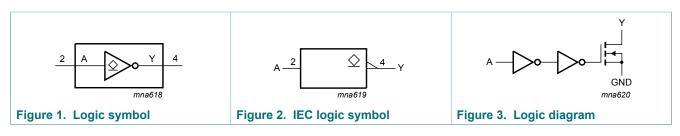
Table 1. Ordering information								
Type number	Package							
	Temperature range	Name	Description	Version				
74AUP1G06GW	-40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1				
74AUP1G06GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1.45 × 0.5 mm	SOT886				
74AUP1G06GF	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1 × 0.5 mm	SOT891				
74AUP1G06GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm	SOT1115				
74AUP1G06GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm	SOT1202				
74AUP1G06GX	-40 °C to +125 °C	X2SON5	X2SON5: plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 × 0.8 × 0.35 mm	SOT1226				

4 Marking

Table 2. Marking	
Type number	Marking code ^[1]
74AUP1G06GW	pR
74AUP1G06GM	pR
74AUP1G06GF	pR
74AUP1G06GN	pR
74AUP1G06GS	pR
74AUP1G06GX	pR

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

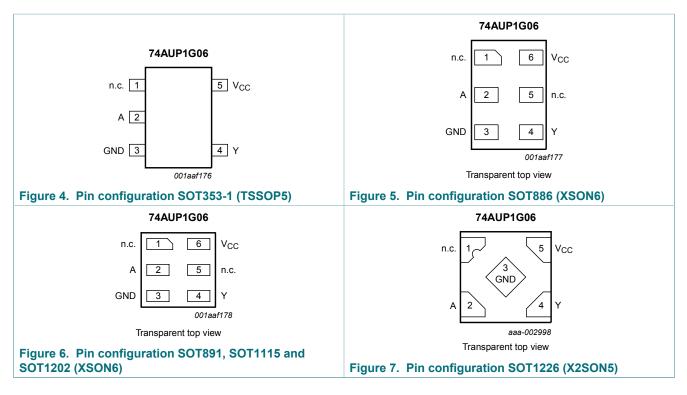
5 Functional diagram



Low-power inverter with open-drain output

6 Pinning information

6.1 Pinning



6.2 Pin description

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Symbol	Pin	Pin			
	TSSOP5 and X2SON5	TSSOP5 and X2SON5 XSON6			
n.c.	1	1	not connected		
A	2	2	data input		
GND	3	3	ground (0 V)		
Y	4	4	data output		
n.c.	-	5	not connected		
V _{CC}	5	6	supply voltage		

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Functional description 7

Table 4. Function table ^[1]

Input	Output
A	Y
L	Z
Н	L

[1] H = HIGH voltage level;

L = LOW voltage level;

Z = high-impedance OFF state.

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	Мах	Unit
V _{CC}	supply voltage			-0.5	+4.6	V
I _{IK}	input clamping current	V _I < 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
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

[1] The input and output voltage ratings may be exceeded if the input and output current ratings are observed. [2] For TSSOP5 packages: above 87.5 °C the value of P_{tot} derates linearly with 4.0 mW/K.

For XSON6 and X2SON5 packages: above 118 °C the value of Ptot derates linearly with 7.8 mW/K.

Recommended operating conditions 9

Table 6. 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	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				-1	
V _{IH}	HIGH-level input	V _{CC} = 0.8 V	0.70 × V _{CC}	-	-	V
	voltage	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	V _{CC} = 0.8 V	-	-	0.30 × V _{CC}	V
	voltage	V _{CC} = 0.9 V to 1.95 V	-	-	$0.35 \times V_{CC}$	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 _{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	-	-	$0.3 \times V_{CC}$	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 _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_1 = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.1	μA
I _{OZ}	OFF-state output current	$V_{I} = V_{IL}; V_{O} = 0 V \text{ to } 3.6 V;$ $V_{CC} = 0 V \text{ to } 3.6 V$	-	-	±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} or V_{0} = 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	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	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	output enabled; V_0 = GND; V_{CC} = 0 V	-	1.7	-	pF
		output disabled; V_0 = GND; V_{CC} = 0 V	-	1.1	-	pF

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Low-power inverter with open-drain output

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
T _{amb} = -	40 °C to +85 °C					
V _{IH}	HIGH-level input	V _{CC} = 0.8 V	0.70 × V _{CC}	-	-	V
	voltage	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	V _{CC} = 0.8 V	-	-	0.30 × V _{CC}	V
	voltage	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 _{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	-	-	$0.3 \times V_{CC}$	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 _O = 2.3 mA; V _{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 _l	input leakage current	V_1 = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.5	μA
I _{OZ}	OFF-state output current	$V_{I} = V_{IL}; V_{O} = 0 V \text{ to } 3.6 V;$ $V_{CC} = 0 V \text{ to } 3.6 V$	-	-	±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
∆I _{OFF}	additional power-off leakage current	V_1 or V_0 = 0 V to 3.6 V; V_{CC} = 0 V to 0.2 V	-	-	±0.6	μA
I _{CC}	supply current	V_1 = GND or V_{CC} ; I_0 = 0 A; V_{CC} = 0.8 V to 3.6 V	-	-	0.9	μA
ΔI _{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; \text{ I}_0 = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	50	μA
T _{amb} = -	40 °C to +125 °C					
V _{IH}	HIGH-level input	V _{CC} = 0.8 V	0.75 × V _{CC}	-	-	V
	voltage	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	V _{CC} = 0.8 V	-	-	0.25 × V _{CC}	V
	voltage	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

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
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	-	-	0.11	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
		$I_{\rm O}$ = 2.3 mA; $V_{\rm CC}$ = 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
l _l	input leakage current	V_I = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.75	μA
I _{OZ}	OFF-state output current	$V_{I} = V_{IL}; V_{O} = 0 V \text{ to } 3.6 V;$ $V_{CC} = 0 V \text{ to } 3.6 V$	-	-	±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 or V_0 = 0 V to 3.6 V; V_{CC} = 0 V to 0.2 V	-	-	±0.75	μA
I _{CC}	supply current	V_1 = GND or V_{CC} ; I_0 = 0 A; V_{CC} = 0.8 V to 3.6 V	-	-	1.4	μA
ΔI _{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; I_0 = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	75	μA

11 Dynamic characteristics

Table 8. Dynamic characteristics

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

Symbol Parameter		Conditions		25 °C		-40 °C to +125 °C			Unit
			Min	Typ ^[1]	Мах	Min	Мах (85 °С)	Max (125 °C)	
C _L = 5 p	F					1			
t _{pd}	propagation delay	A to Y; see Figure 8	2]						
		V _{CC} = 0.8 V	-	12.8	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.3	4.3	9.9	2.0	10.9	12.0	ns
		V _{CC} = 1.4 V to 1.6 V	1.8	3.1	6.1	1.5	7.1	7.8	ns
		V _{CC} = 1.65 V to 1.95 V	1.5	2.8	4.7	1.2	5.7	6.3	ns
		V_{CC} = 2.3 V to 2.7 V	1.2	2.2	3.2	1.0	3.9	4.3	ns
		V _{CC} = 3.0 V to 3.6 V	1.1	2.2	3.3	0.8	3.6	4.0	ns

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Low-power inverter with open-drain output

Symbol	Parameter	Conditions		25 °C		-40	°C to +12	25 °C	Unit
			Min	Тур ^[1]	Мах	Min	Max (85 °C)	Max (125 °C)	
C _L = 10	pF							,	
t _{pd}	propagation	A to Y; see Figure 8 [2]							
	delay	V _{CC} = 0.8 V	-	15.8	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.7	5.4	11.2	2.5	13.2	15.0	ns
		V _{CC} = 1.4 V to 1.6 V	2.2	3.9	7.0	2.0	8.5	9.4	ns
		V _{CC} = 1.65 V to 1.95 V	1.9	3.6	5.4	1.7	6.7	7.4	ns
		V _{CC} = 2.3 V to 2.7 V	1.7	2.9	3.8	1.4	4.5	5.0	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	3.2	4.6	1.2	4.9	5.4	ns
C _L = 15	pF								
t _{pd}	propagation	A to Y; see Figure 8 [2]							
	delay	V _{CC} = 0.8 V	-	18.8	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.2	6.4	12.2	2.9	15.2	17.0	ns
		V _{CC} = 1.4 V to 1.6 V	2.6	4.6	7.7	2.3	9.4	10.0	ns
		V _{CC} = 1.65 V to 1.95 V	2.3	4.5	6.6	2.1	7.3	8.1	ns
		V _{CC} = 2.3 V to 2.7 V	2.1	3.5	4.6	1.7	5.1	5.7	ns
		V _{CC} = 3.0 V to 3.6 V	2.0	4.0	6.0	1.5	6.5	7.2	ns
C _L = 30	pF								
t _{pd}	propagation	A to Y; see Figure 8 [2]							
	delay	V _{CC} = 0.8 V	-	27.8	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.4	9.3	16.5	3.9	19.3	21.3	ns
		V _{CC} = 1.4 V to 1.6 V	3.6	6.8	10.1	3.2	12.0	13.2	ns
		V _{CC} = 1.65 V to 1.95 V	3.2	6.8	10.7	2.9	11.0	12.1	ns
		V_{CC} = 2.3 V to 2.7 V	2.9	5.3	7.2	2.6	7.8	8.6	ns
		V _{CC} = 3.0 V to 3.6 V	2.9	6.5	10.5	2.5	10.8	11.9	ns
C _L = 5 p	F, 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	-	0.5	-	-	-	-	pF
	- apacitarioo	V _{CC} = 1.1 V to 1.3 V	-	0.6	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V	-	0.7	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	0.7	-	-	-	-	pF
		V_{CC} = 2.3 V to 2.7 V	-	1.0	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	1.2	-	-	-	-	pF

All typical values are measured at nominal V_{CC}.
 t_{pd} is the same as t_{PZL} and t_{PLZ}.
 C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N$ where:

f_i = input frequency in MHz;

V_{CC} = supply voltage in V;

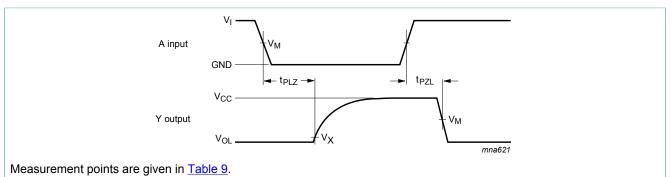
N = number of inputs switching.

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74AUP1G06

Low-power inverter with open-drain output

11.1 Waveforms and test circuit

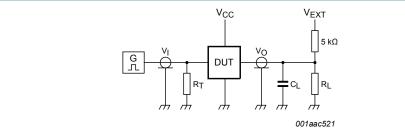


Logic level: V_{OL} is the typical output voltage level that occurs at the output load.

Figure 8. The data input (A) to output (Y) propagation delays

Table 9. Measurement points

Supply voltage	Input	Output			
V _{cc}	V _M	V _M	V _X		
0.8 V to 1.6 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	V _{OL} + 0.1 V		
1.65 V to 2.7 V	0.5 × V _{CC}	$0.5 \times V_{CC}$	V _{OL} + 0.15 V		
3.0 V to 3.6 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	V _{OL} + 0.3 V		



Test data is given in Table 10.

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_0 of the pulse generator.

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

Figure 9. Test circuit for measuring switching times

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 $R_L = 1 M\Omega$.

Low-power inverter with open-drain output

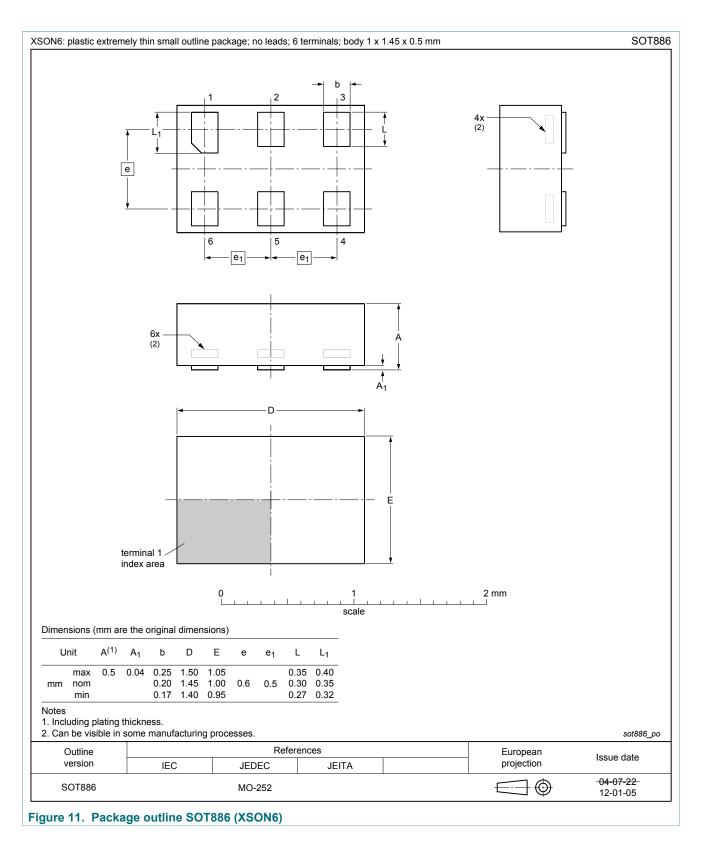
12 Package outline

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UNIT	A max.	A ₁	the orig	jinal din	0 D D D D D D	s) c	1.5 sca	E ⁽¹⁾	e	e ₁	H _E 2.25	L	Lp	- v	w	У	Z ⁽¹⁾	<u>θ</u> 7°
UNIT mm	Α		the orig	jinal din		s)	1.5 sca	lle	e 0.65		H _E 2.25 2.0			0.2	w 0.1	y 0.1	Z(1) 0.60 0.15	θ 7° 0°
UNIT mm lote	A max.	A₁ 0.1 0	the orig A2 1.0 0.8	jinal din A3 0.15	0 0 0.30 0.15	s) c 0.25 0.08	1.5 sca D ⁽¹⁾ 2.25 1.85	E(1) 1.35 1.15	0.65	e ₁	2.25	L	Lp 0.46	0.2			0.60	7°
UNIT mm lote . Plastic	A max. 1.1 c or meta	A₁ 0.1 0	the orig A2 1.0 0.8	jinal din A3 0.15	0 0 0.30 0.15	s) c 0.25 0.08	D(1) 2.25 1.85	E(1) 1.35 1.15	0.65 cluded.	e ₁	2.25	L	Lp 0.46	0.3 EURO	0.1	0.1	0.60 0.15	7° 0°
UNIT mm lote . Plastic	A max. 1.1	A₁ 0.1 0	the orig A2 1.0 0.8	jinal din A3 0.15	0 0 0.30 0.15	s) c 0.25 0.08	1.5 sca D(1) 2.25 1.85 side are REFEI	E ⁽¹⁾ 1.35 1.15 e not inc	0.65 cluded.	e 1 1.3	2.25	L	Lp 0.46	0.3	0.1	0.1	0.60	7° 0°

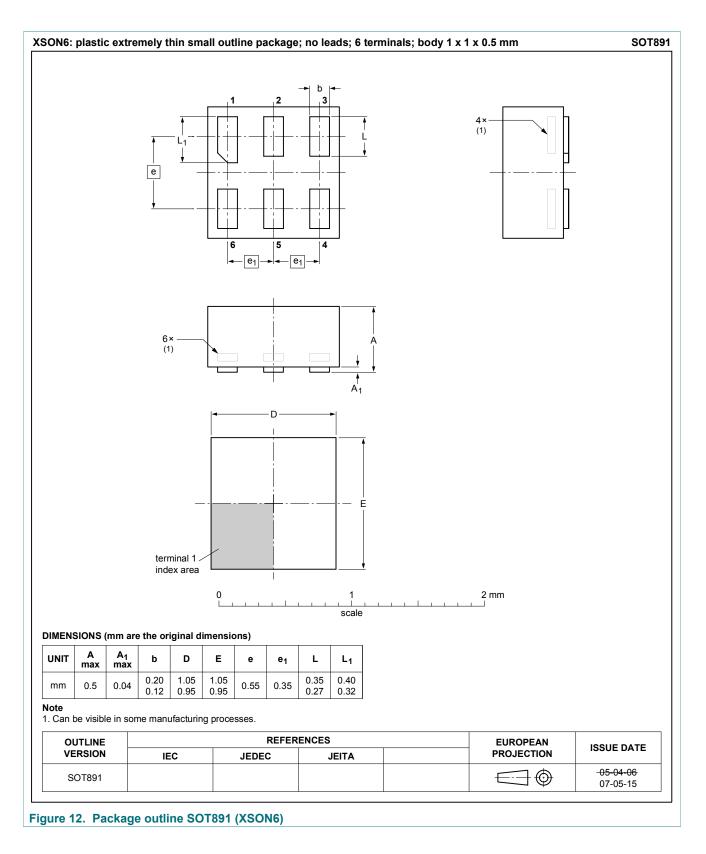
Figure 10. Package outline SOT353-1 (TSSOP5)

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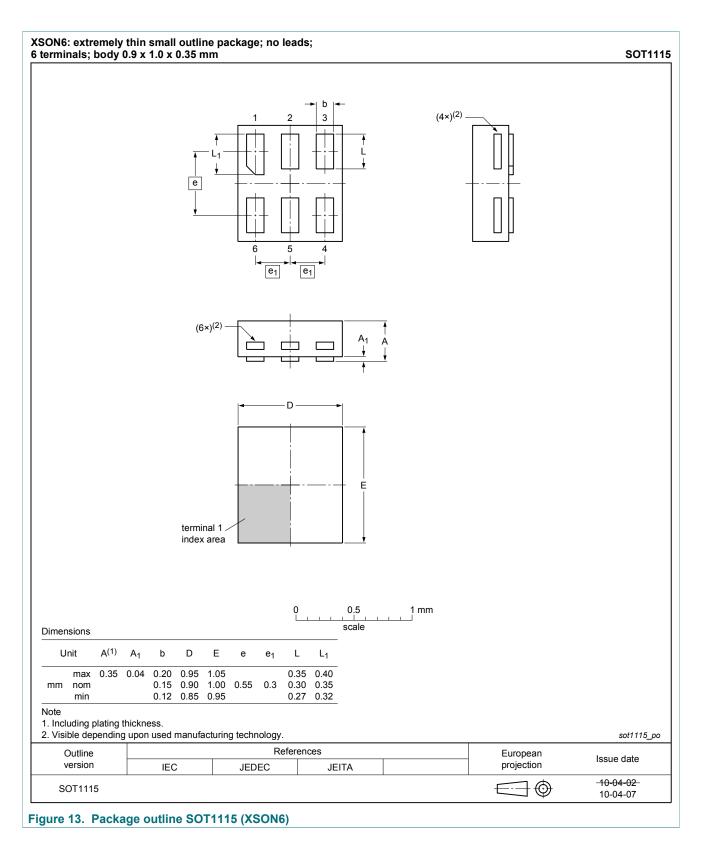
Low-power inverter with open-drain output



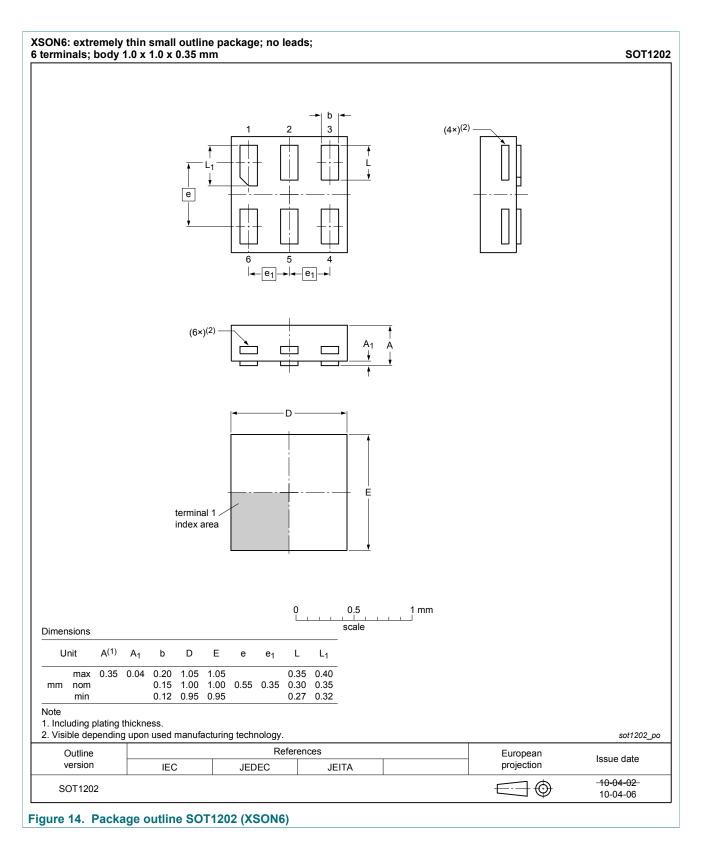
Low-power inverter with open-drain output



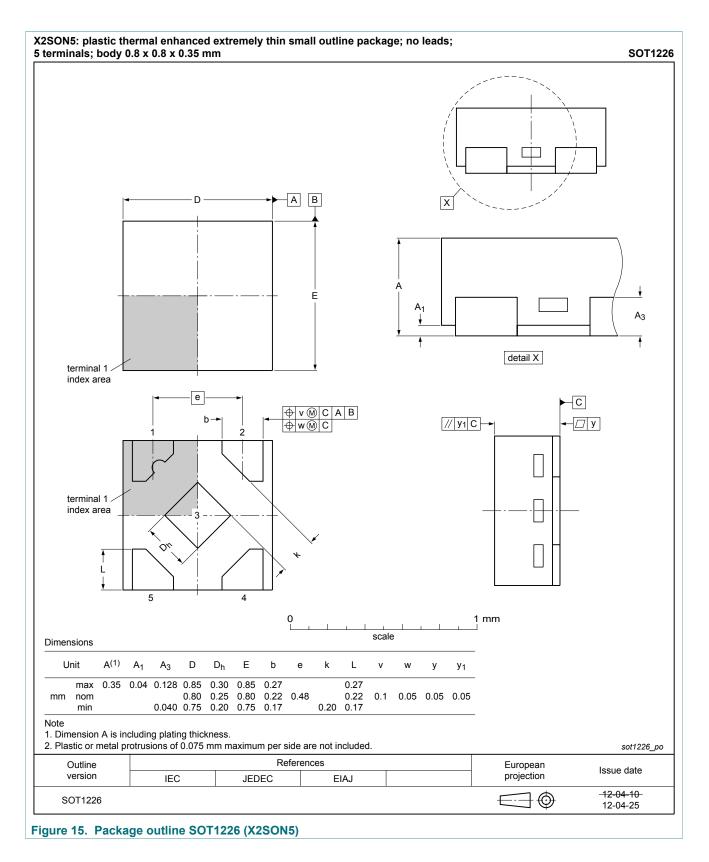
Low-power inverter with open-drain output



Low-power inverter with open-drain output



Low-power inverter with open-drain output



Low-power inverter with open-drain output

13 Abbreviations

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

14 Revision history

Table 12. Revision history Document ID **Release date** Data sheet status Change notice Supersedes 74AUP1G06 v.8 20180212 Product data sheet 74AUP1G06 v.7 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. • Pin configuration drawing of SOT1226 (X2SON5) updated: Figure 7 74AUP1G06 v.7 20120628 Product data sheet 74AUP1G06 v.6 Modifications: Added type number 74AUP1G06GX (SOT1226) • Package outline drawing of SOT886 (Figure 11) modified. 74AUP1G06 v.6 Product data sheet 74AUP1G06 v.5 20111115 Modifications: · Legal pages updated. 74AUP1G06 v.5 20101022 74AUP1G06 v.4 Product data sheet _ 74AUP1G06 v.4 20090610 Product data sheet 74AUP1G06 v.3 _ 74AUP1G06 v.3 20070615 Product data sheet 74AUP1G06 v.2 _ 74AUP1G06 v.2 20060824 Product data sheet 74AUP1G06 v.1 -74AUP1G06 v.1 Product data sheet 20050718

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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Low-power inverter with open-drain output

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