Low-power inverter with open-drain output

Rev. 7 — 28 June 2012

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}
- 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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Ordering information 3.

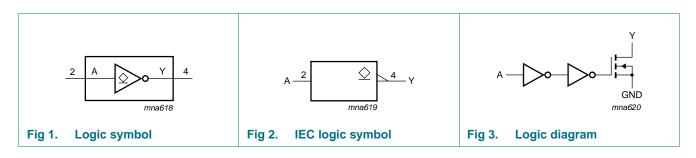
Table 1. Ordering	g information							
Type number	Package							
	Temperature range	Name	Description	Version				
74AUP1G06GW	–40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1				
74AUP1G06GM	–40 °C to +125 °C	XSON6	plastic extremely thin small outline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

Marking 4.

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.

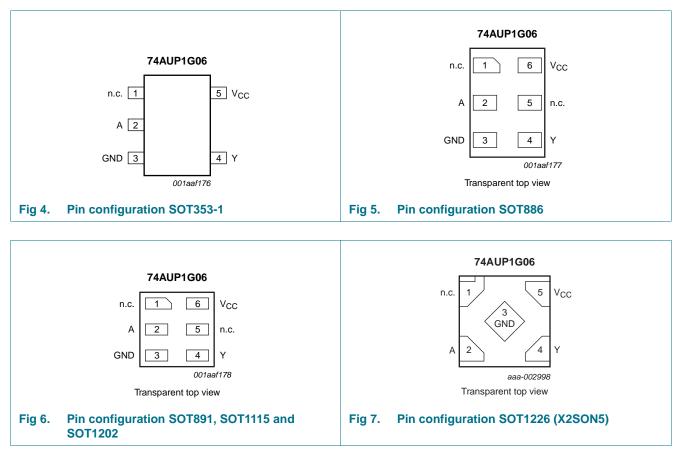
Functional diagram 5.



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6. Pinning information

6.1 Pinning



6.2 Pin description

Symbol	Pin		
			Description
	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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7. Functional description

Table 4.Function table^[1]

Input	Output
Α	Y
L	Z
Н	L

[1] H = HIGH voltage level;

L = LOW voltage level;

Z = high-impedance OFF state.

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	Max	Unit
V _{CC}	supply voltage		-0.5	+4.6	V
I _{IK}	input clamping current	V _I < 0 V	-50	-	mA
VI	input voltage		<u>[1]</u> –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	<u>[1]</u> –0.5	+4.6	V
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	$T_{amb} = -40 \ ^{\circ}C$ to +125 $^{\circ}C$	[2] _	250	mW

[1] The input and output voltage ratings may be exceeded if the input and output current ratings are observed.

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 P_{tot} derates linearly with 7.8 mW/K.

9. Recommended operating conditions

Table 6.	Recommended operating condition	ons			
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
$\Delta t / \Delta V$	input transition rise and fall rate	$V_{CC} = 0.8 \text{ V} \text{ to } 3.6 \text{ V}$	0	200	ns/V

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10. Static characteristics

Table 7. Static characteristics

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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
T _{amb} = 2	5 °C					
VIH	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
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	2.0	-	-	V
VIL	LOW-level input voltage	V _{CC} = 0.8 V	-	-	$0.30\times V_{CC}$	V
		$V_{CC} = 0.9 V$ to 1.95 V	-	-	$0.35\times V_{CC}$	V
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	-	0.7	V
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	-	-	0.9	V
V _{OL}	LOW-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	-	-	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
I	input leakage current	$V_I = GND$ to 3.6 V; $V_{CC} = 0$ V to 3.6 V	-	-	±0.1	μΑ
I _{OZ}	OFF-state output current	V_{I} = $V_{IL};V_{O}$ = 0 V 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	μΑ
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	μΑ
I _{CC}	supply current	$\label{eq:VI} \begin{array}{l} V_{I} = GND \text{ or } V_{CC}; \ I_{O} = 0 \ A; \\ V_{CC} = 0.8 \ V \text{ to } 3.6 \ V \end{array}$	-	-	0.5	μA
Δl _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	40	μΑ
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
T _{amb} = –	40 °C to +85 °C					
VIH	HIGH-level input voltage	V _{CC} = 0.8 V	$0.70\times V_{CC}$	-	-	V
		$V_{CC} = 0.9 \text{ V} \text{ to } 1.95 \text{ V}$	$0.65 \times V_{CC}$	-	-	V
		V_{CC} = 2.3 V to 2.7 V	1.6	-	-	V
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	2.0	-	-	V
V _{IL}	LOW-level input voltage	$V_{CC} = 0.8 V$	-	-	$0.30\times V_{CC}$	V
		$V_{CC} = 0.9 V$ to 1.95 V	-	-	$0.35\times V_{CC}$	V
		V_{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		$V_{CC} = 3.0 V \text{ to } 3.6 V$	-	-	0.9	V
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Table 7. Static characteristics ... continued

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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
V _{OL}	LOW-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		I_O = 20 $\mu A; V_{CC}$ = 0.8 V to 3.6 V	-	-	0.1	V
		$I_0 = 1.1 \text{ mA}; V_{CC} = 1.1 \text{ V}$	-	-	$0.3\times V_{CC}$	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
		$I_0 = 2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	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 _I	input leakage current	V_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.5	μΑ
l _{oz}	OFF-state output current	$V_{\rm I}$ = $V_{\rm IL};$ $V_{\rm O}$ = 0 V to 3.6 V; $V_{\rm CC}$ = 0 V to 3.6 V	-	-	±0.5	μA
I _{OFF}	power-off leakage current	$V_{I} \text{ or } V_{O}$ = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.5	μΑ
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	-	-	±0.6	μΑ
I _{CC}	supply current	$\label{eq:VI} \begin{array}{l} V_{I} = GND \text{ or } V_{CC}; \ I_{O} = O \ A; \\ V_{CC} = O.8 \ V \ to \ 3.6 \ V \end{array}$	-	-	0.9	μA
Δl _{CC}	additional supply current	$V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	50	μΑ
T _{amb} = –	40 °C to +125 °C					
VIH	HIGH-level input voltage	$V_{CC} = 0.8 V$	$0.75\times V_{CC}$	-	-	V
		$V_{CC} = 0.9 V$ to 1.95 V	$0.70\times V_{CC}$	-	-	V
		V_{CC} = 2.3 V to 2.7 V	1.6	-	-	V
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	2.0	-	-	V
V _{IL}	LOW-level input voltage	$V_{CC} = 0.8 V$	-	-	$0.25 \times V_{CC}$	V
		$V_{CC} = 0.9 V$ to 1.95 V	-	-	$0.30\times V_{CC}$	V
		V_{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	-	-	0.9	V
V _{OL}	LOW-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		I_{O} = 20 $\mu A; V_{CC}$ = 0.8 V to 3.6 V	-	-	0.11	V
		I _O = 1.1 mA; V _{CC} = 1.1 V	-	-	$0.33 \times V_{CC}$	V
		I_{O} = 1.7 mA; V_{CC} = 1.4 V	-	-	0.41	V
		$I_0 = 1.9 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.39	V
		$I_0 = 2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.36	V
		$I_0 = 3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	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
li i	input leakage current	$V_{\rm I}$ = GND to 3.6 V; $V_{\rm CC}$ = 0 V to 3.6 V	-	-	±0.75	μΑ
l _{oz}	OFF-state output current	V_{I} = $V_{IL};$ V_{O} = 0 V to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.75	μA
I _{OFF}	power-off leakage current	$V_{\rm I}~\text{or}~V_{\rm O}$ = 0 V to 3.6 V; V_{CC} = 0 V	-	-	±0.75	μΑ

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
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	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	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	μA

Table 7. Static characteristics ...continued

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 +12	25 °C	Unit
			Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pl	F								
t _{pd}	propagation delay	A to Y; see Figure 8	<u>1</u>						
		$V_{CC} = 0.8 V$	-	12.8	-	-	-	-	ns
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$	2.3	4.3	9.9	2.0	10.9	12.0	ns
		$V_{CC} = 1.4 \text{ V} \text{ to } 1.6 \text{ V}$	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
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	1.1	2.2	3.3	0.8	3.6	4.0	ns
C _L = 10 J	ρF								
t _{pd}	propagation delay	A to Y; see Figure 8	<u>:]</u>						
		V _{CC} = 0.8 V	-	15.8	-	-	-	-	ns
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$	2.7	5.4	11.2	2.5	13.2	15.0	ns
		$V_{CC} = 1.4 \text{ V} \text{ to } 1.6 \text{ V}$	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
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	1.6	3.2	4.6	1.2	4.9	5.4	ns
C _L = 15 J	ρF								
t _{pd}	propagation delay	A to Y; see Figure 8	<u>1</u>						
		V _{CC} = 0.8 V	-	18.8	-	-	-	-	ns
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$	3.2	6.4	12.2	2.9	15.2	17.0	ns
		$V_{CC} = 1.4 \text{ V}$ 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

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Symbol	Parameter	Conditions		25 °C		–40 °C to +125 °C			Unit
			Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
C _L = 30	pF								
t _{pd}	propagation delay	A to Y; see Figure 8	[2]						
		$V_{CC} = 0.8 V$	-	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 pl	F, 10 pF, 15 pF and	30 pF							
C _{PD}	power dissipation	$f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$	<u>[3]</u>						
	capacitance	$V_{CC} = 0.8 V$	-	0.5	-	-	-	-	pF
		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
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	-	1.2	-	-	-	-	pF

Table 8. Dynamic characteristics ...continued

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

[1] All typical values are measured at nominal V_{CC} .

 $\label{eq:tpd} \ensuremath{\left[2\right]} \quad t_{pd} \mbox{ is the same as } t_{PZL} \mbox{ and } t_{PLZ}.$

[3] C_{PD} is used to determine the dynamic power dissipation (P_D in μ W).

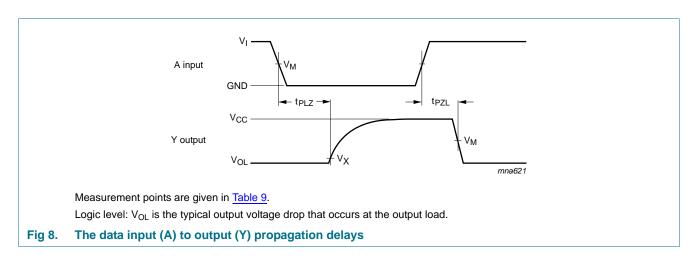
 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N$ where:

f_i = input frequency in MHz;

 V_{CC} = supply voltage in V;

N = number of inputs switching.

12. Waveforms



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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	$0.5\times V_{CC}$	$0.5\times V_{CC}$	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

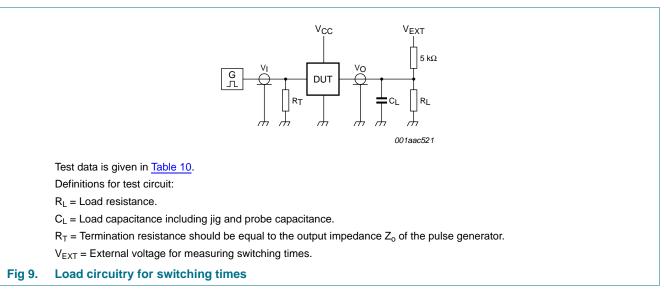


Table 10. Test data

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 $R_L = 1 M\Omega$.

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13. Package outline

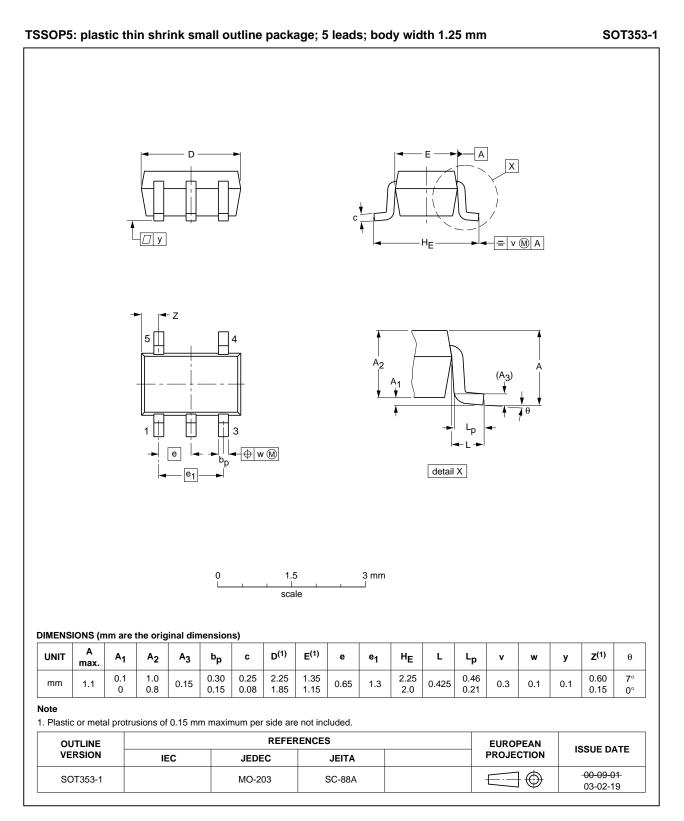


Fig 10. Package outline SOT353-1 (TSSOP5)

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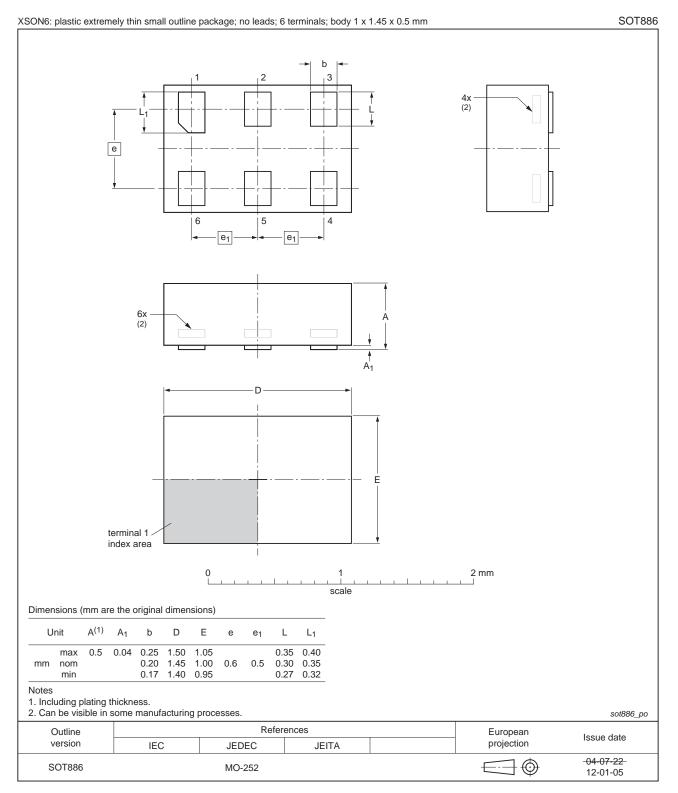


Fig 11. Package outline SOT886 (XSON6)

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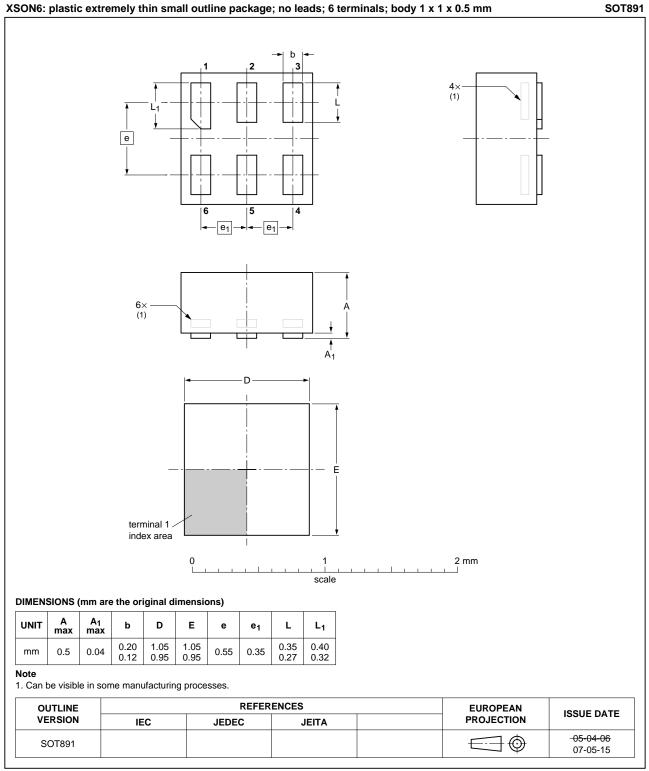
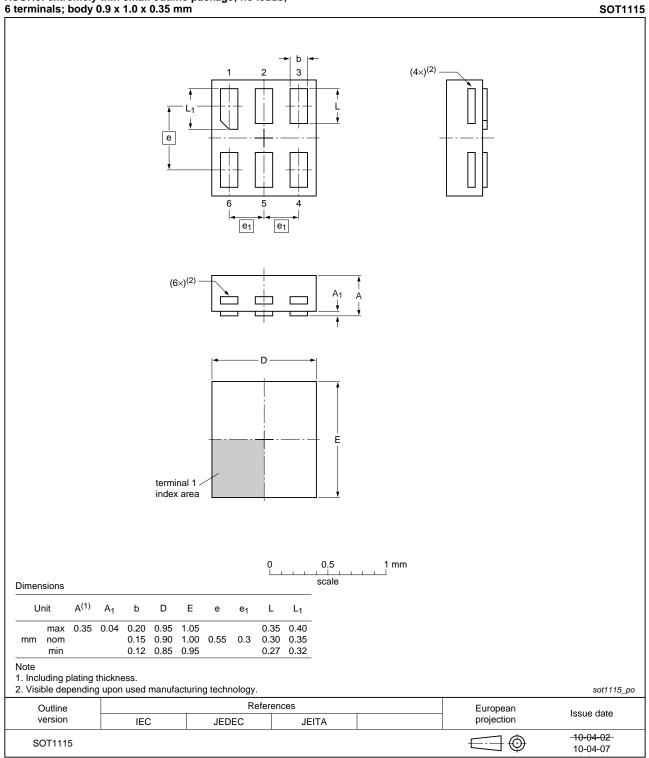


Fig 12. Package outline SOT891 (XSON6)

74AUP1G06 **Product data sheet**

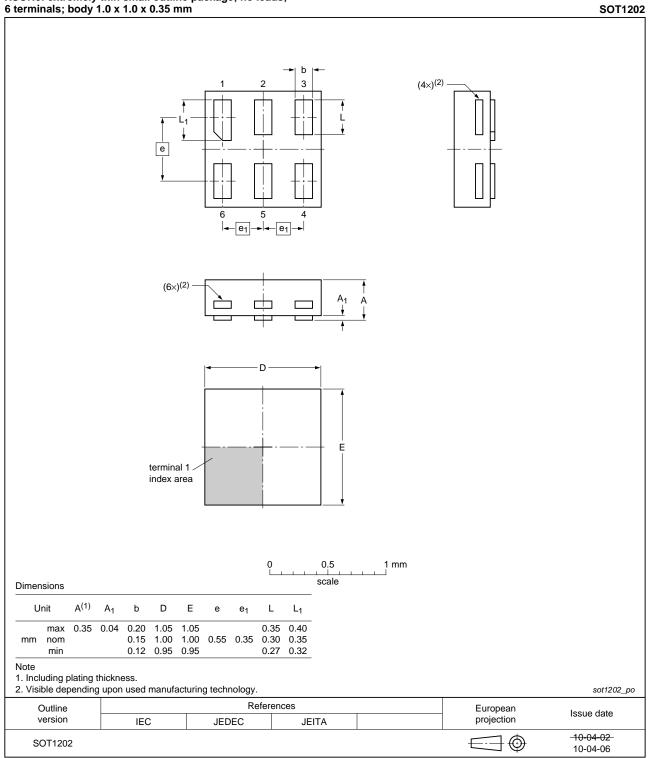
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XSON6: extremely thin small outline package; no leads; 6 terminals; body 0.9 x 1.0 x 0.35 mm

Fig 13. Package outline SOT1115 (XSON6)

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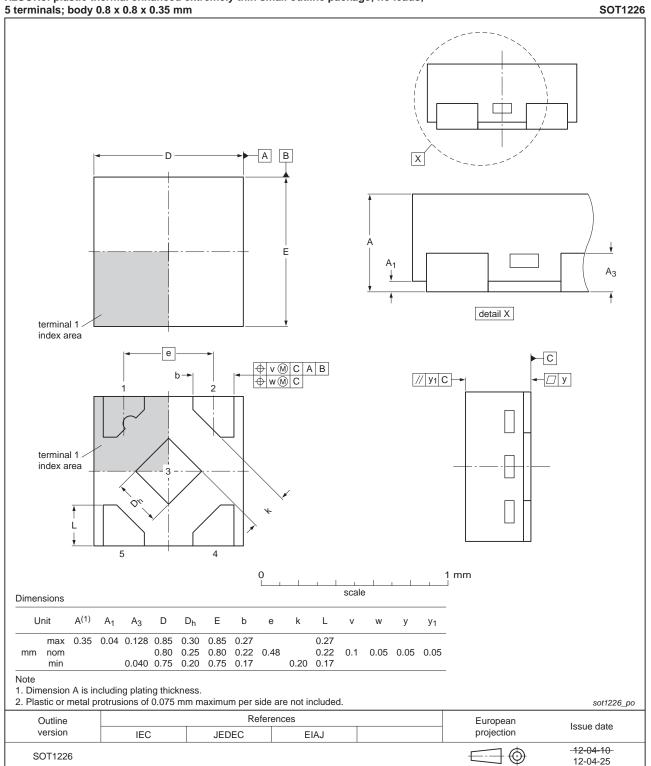


XSON6: extremely thin small outline package; no leads; 6 terminals; body 1.0 x 1.0 x 0.35 mm

Fig 14. Package outline SOT1202 (XSON6)

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X2SON5: plastic thermal enhanced extremely thin small outline package; no leads;

Fig 15. Package outline SOT1226 (X2SON5)

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14. Abbreviations

AcronymDescriptionCDMCharged Device ModelDUTDevice Under TestESDElectroStatic DischargeHBMHuman Body ModelMMMachine Model	Table 11. Abbreviations		
DUTDevice Under TestESDElectroStatic DischargeHBMHuman Body Model	Acronym	Description	
ESD ElectroStatic Discharge HBM Human Body Model	CDM	Charged Device Model	
HBM Human Body Model	DUT	Device Under Test	
· · · · · · · · · · · · · · · · · · ·	ESD	ElectroStatic Discharge	
MM Machine Model	HBM	Human Body Model	
	MM	Machine Model	

15. Revision history

Table 12. Revision	history			
Document ID	Release date	Data sheet status	Change notice	Supersedes
74AUP1G06 v.7	20120628	Product data sheet	-	74AUP1G06 v.6
Modifications:	 Added type nun 	nber 74AUP1G06GX (SOT1226	5)	
	 Package outline 	e drawing of SOT886 (<u>Figure 11</u>) modified.	
74AUP1G06 v.6	20111115	Product data sheet	-	74AUP1G06 v.5
Modifications:	 Legal pages up 	dated.		
74AUP1G06 v.5	20101022	Product data sheet	-	74AUP1G06 v.4
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	20050718	Product data sheet	-	-

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16. Legal information

16.1 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.

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

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

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