74AUP2G07

Low-power dual buffer with open-drain output Rev. 03 — 16 October 2007

Product data sheet

General description

The 74AUP2G07 provides two non-inverting buffers 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**

- 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-A114E Class 3A exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101C exceeds 1000 V
- Low static-power consumption; $I_{CC} = 0.9 \mu A$ (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



Low-power dual buffer with open-drain output

3. Ordering information

Table 1. Ordering information

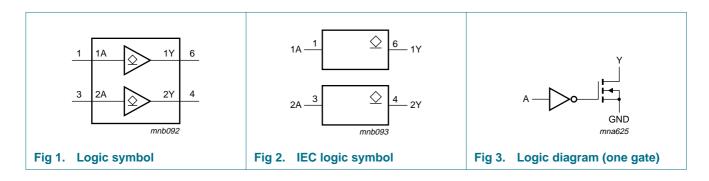
Type number	Package							
	Temperature range	Name	Description	Version				
74AUP2G07GW	–40 °C to +125 °C	SC-88	plastic surface-mounted package; 6 leads	SOT363				
74AUP2G07GM	–40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 \times 1.45 \times 0.5 mm	SOT886				
74AUP2G07GF	–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				

4. Marking

Table 2. Marking

Type number	Marking code
74AUP2G07GW	p7
74AUP2G07GM	p7
74AUP2G07GF	p7

5. Functional diagram

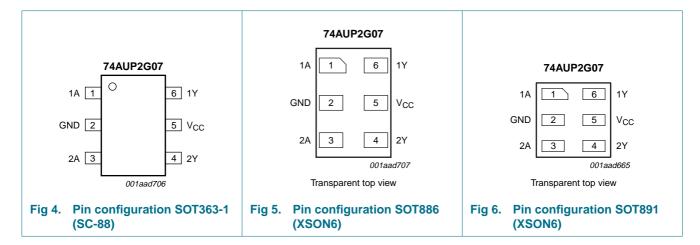


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6. Pinning information

6.1 Pinning



6.2 Pin description

Table 3. Pin description

Symbol	Pin	Description
1A	1	data input
GND	2	ground (0 V)
2A	3	data input
2Y	4	data output
V_{CC}	5	supply voltage
1Y	6	data output

7. Functional description

Table 4. Function table[1]

Input	Output
nA	nY
L	L
Н	Z

^[1] H = HIGH voltage level;

L = LOW voltage level;

Z = high-impedance OFF state.

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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
V_{I}	input voltage		<u>[1]</u> –0.5	+4.6	V
I _{OK}	output clamping current	V _O < 0 V	-	-50	mA
V_{O}	output voltage	Active mode and Power-down mode	<u>[1]</u> –0.5	+4.6	V
lo	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	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$	[2] _	250	mW

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

9. Recommended operating conditions

Table 6. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Max	Unit
V_{CC}	supply voltage		8.0	3.6	V
V_{I}	input voltage		0	3.6	V
V_{O}	output voltage	Active mode and Power-down mode	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 V to 3.6 V	0	200	ns/V

^[2] For SC-88 package: above 87.5 $^{\circ}$ C the value of P_{tot} derates linearly with 4.0 mW/K. For XSON6 packages: above 45 $^{\circ}$ C the value of P_{tot} derates linearly with 2.4 mW/K.

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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					
V_{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	$0.70 \times V_{\text{CC}}$	-	-	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
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	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
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	-	-	0.9	V
V _{OL}	LOW-level output voltage	$V_I = V_{IH}$ or V_{IL}				
		$I_O = 20 \ \mu A; \ V_{CC} = 0.8 \ V \ to \ 3.6 \ V$	-	-	0.1	V
		$I_O = 1.1 \text{ mA}; V_{CC} = 1.1 \text{ V}$	-	-	$0.3 \times V_{CC}$	V
		$I_O = 1.7 \text{ mA}; V_{CC} = 1.4 \text{ V}$	-	-	0.31	V
		$I_O = 1.9 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.31	V
		$I_O = 2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.31	V
		$I_O = 3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.44	V
		$I_O = 2.7 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.31	V
		$I_O = 4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	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
l _{OZ}	OFF-state output current	$V_I = V_{IH}$; $V_O = 0 \ V$ 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	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.5	μΑ
ΔI_{CC}	additional supply current	$V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	40	μΑ
Cı	input capacitance	$V_{CC} = 0 \text{ V to } 3.6 \text{ V}; V_{I} = \text{GND or } V_{CC}$	-	0.7	-	pF
Co	output capacitance	$V_O = GND; V_{CC} = 0 V$	-	0.9	-	pF
T _{amb} = -	40 °C to +85 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 0.8 V	$0.70 \times V_{CC}$	-	-	V
		$V_{CC} = 0.9 \text{ V to } 1.95 \text{ V}$	$0.65 \times V_{CC}$	-	-	V
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	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
	. 3	V _{CC} = 0.9 V to 1.95 V	-	-	0.35 × V _{CC}	
		V _{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		V _{CC} = 3.0 V to 3.6 V	-	-	0.9	V

Low-power dual buffer with open-drain output

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	$V_I = V_{IH}$ or V_{IL}				
		I_O = 20 μ A; V_{CC} = 0.8 V to 3.6 V	-	-	0.1	V
		$I_O = 1.1 \text{ mA}; V_{CC} = 1.1 \text{ V}$	-	-	$0.3 \times V_{CC}$	V
		$I_O = 1.7 \text{ mA}; V_{CC} = 1.4 \text{ V}$	-	-	0.37	V
		$I_{O} = 1.9 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.35	V
		I_{O} = 2.3 mA; V_{CC} = 2.3 V	-	-	0.33	V
		$I_{O} = 3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.45	V
		I_{O} = 2.7 mA; V_{CC} = 3.0 V	-	-	0.33	V
		$I_{O} = 4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	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	$V_I = V_{IH}$; $V_O = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$ 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	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	$V_I = GND \text{ or } V_{CC}; I_O = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$	-	-	0.9	μΑ
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 °C to +125 °C					
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	$0.70 \times V_{CC}$	-	-	V
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.6	-	-	V
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	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
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	-	0.7	V
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	-	-	0.9	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
		$I_O = 1.1 \text{ mA}; V_{CC} = 1.1 \text{ V}$	-	-	$0.33 \times V_{CC}$	V
		$I_O = 1.7 \text{ mA}; V_{CC} = 1.4 \text{ V}$	-	-	0.41	V
		$I_O = 1.9 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.39	V
		I_{O} = 2.3 mA; V_{CC} = 2.3 V	-	-	0.36	V
		$I_{O} = 3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.50	V
		$I_{O} = 2.7 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.36	V
		$I_{O} = 4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	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	μΑ
l _{OZ}	OFF-state output current	$V_I = V_{IH}$; $V_O = 0$ V to 3.6 V; $V_{CC} = 0$ V to 3.6 V	-	-	±0.75	μΑ
l _{OFF}	power-off leakage current	V_I or $V_O = 0$ V to 3.6 V; $V_{CC} = 0$ V	-	-	±0.75	μΑ

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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
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	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

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Figure 8.

Symbol	Parameter	Conditions			25 °C		-40 °C to +125 °C			Unit
				Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
C _L = 5 pl	F	'					•			
t _{pd}	propagation delay	nA to nY; see Figure 7	[2]							
		$V_{CC} = 0.8 \text{ V}$		-	11.6	-	-	-	-	ns
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$		2.1	4.1	7.5	1.7	9.1	10.0	ns
		$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$		1.6	3.0	5.1	1.3	6.1	6.7	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.6	2.7	4.0	1.2	5.0	5.5	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		1.1	2.1	3.2	0.9	4.0	4.4	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.4	2.2	2.8	1.1	3.3	3.6	ns
C _L = 10	ρF									
t_{pd}	propagation delay	nA to nY; see Figure 7	[2]							
		$V_{CC} = 0.8 \text{ V}$		-	14.7	-	-	-	-	ns
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$		3.0	5.1	9.0	2.4	11.2	12.3	ns
		$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$		2.3	3.8	6.1	2.0	7.4	8.1	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		2.4	3.6	4.8	1.8	6.1	6.7	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		1.7	2.8	3.8	1.3	4.8	5.3	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		2.2	3.1	4.2	1.6	4.5	5.0	ns
C _L = 15	ρF									
t_{pd}	propagation delay	nA to nY; see Figure 7	[2]							
		$V_{CC} = 0.8 \text{ V}$		-	17.7	-	-	-	-	ns
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$		3.5	6.1	10.4	3.2	13.1	14.5	ns
		$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$		3.0	4.5	6.8	2.6	8.6	9.4	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		2.8	4.4	6.7	2.2	7.8	8.6	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		2.4	3.4	4.5	1.9	5.3	5.8	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		2.2	4.0	5.7	1.9	6.1	6.7	ns

Low-power dual buffer with open-drain output

 Table 8.
 Dynamic characteristics ...continued

Voltages are referenced to GND (ground = 0 V); for test circuit see Figure 8.

Symbol	Parameter	Conditions		25 °C			-40 °C to +125 °C		
			Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
$C_{L} = 30$	pF		·	•					
t _{pd}	propagation delay	nA to nY; see Figure 7	[2]						
		$V_{CC} = 0.8 \text{ V}$	-	26.7	-	-	-	-	ns
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$	4.8	9.0	15.6	4.3	18.8	20.7	ns
		$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$	4.1	6.7	9.4	3.7	11.8	13.0	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$	3.8	6.8	9.7	3.2	11.0	12.1	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	3.7	5.2	6.7	3.0	7.1	7.8	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	3.6	6.4	9.7	2.8	10.4	11.4	ns
$C_L = 5 p$	F, 10 pF, 15 pF and	30 pF							
C_{PD}	power dissipation	$f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$][4]						
	capacitance	$V_{CC} = 0.8 \text{ V}$	-	0.5	-	-	-	-	pF
		$V_{CC} = 1.1 \text{ V to } 1.3 \text{ V}$	-	0.6	-	-	-	-	pF
		$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$	-	0.6	-	-	-	-	pF
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$	-	0.7	-	-	-	-	pF
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	0.9	-	-	-	-	pF
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	-	1.2	-	-	-	-	pF

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

$$P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma (C_L \times V_{CC}^2 \times f_o)$$
 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;

 $\Sigma(C_L \times V_{CC}^2 \times f_o)$ = sum of the outputs.

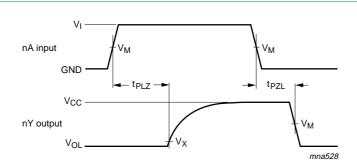
^[2] t_{pd} is the same as t_{PZL} and t_{PLZ} .

^[3] All specified values are the average typical values over all stated loads.

^[4] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

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12. Waveforms



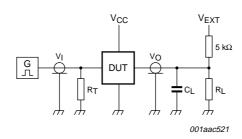
Measurement points are given in Table 9.

Logic level: V_{OL} is the typical output voltage drops that occur with the output load.

Fig 7. The data input (nA) to output (nY) 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	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	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			



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.

Fig 8. Load circuitry for switching times

Table 10. Test data

Supply voltage	Input		Load		V _{EXT}		
V _{CC}	VI	t _r , t _f	CL	R _L [1]	t _{PLH} , t _{PHL}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
0.8 V to 3.6 V	V_{CC}	≤ 3 ns	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 $R_L = 5 \text{ k}\Omega$, for measuring propagation delays, set-up and hold times and pulse width $R_L = 1 \text{ M}\Omega$.

Low-power dual buffer with open-drain output

13. Package outline

Plastic surface-mounted package; 6 leads

SOT363

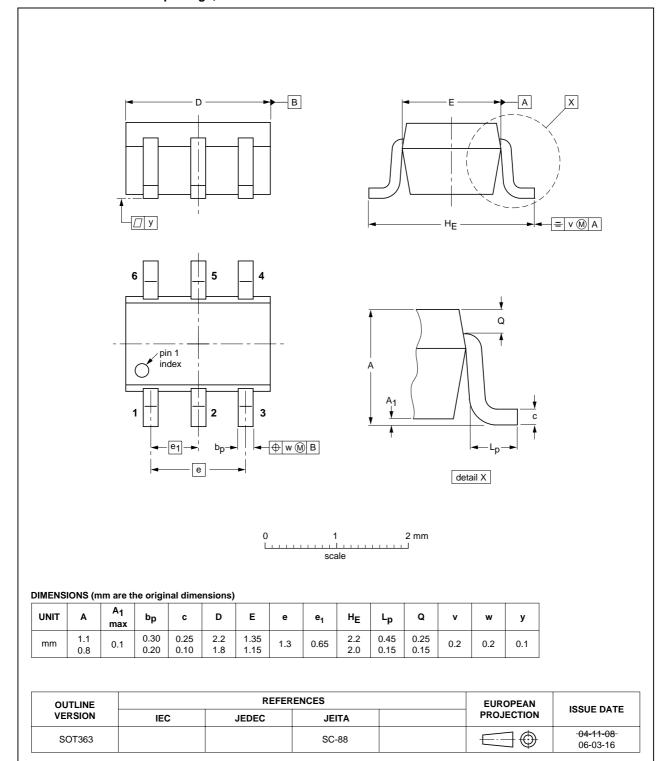


Fig 9. Package outline SOT363 (SC-88)

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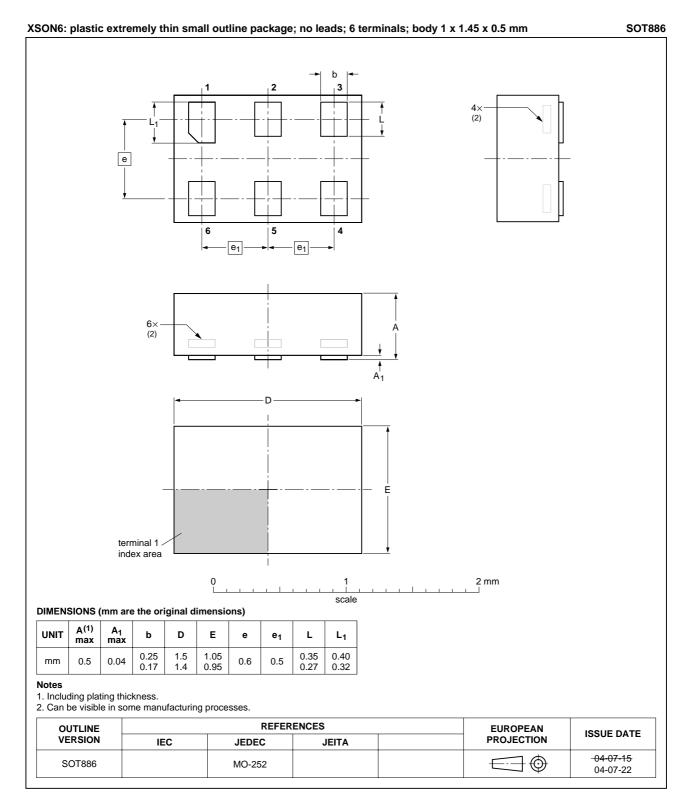


Fig 10. Package outline SOT886 (XSON6)

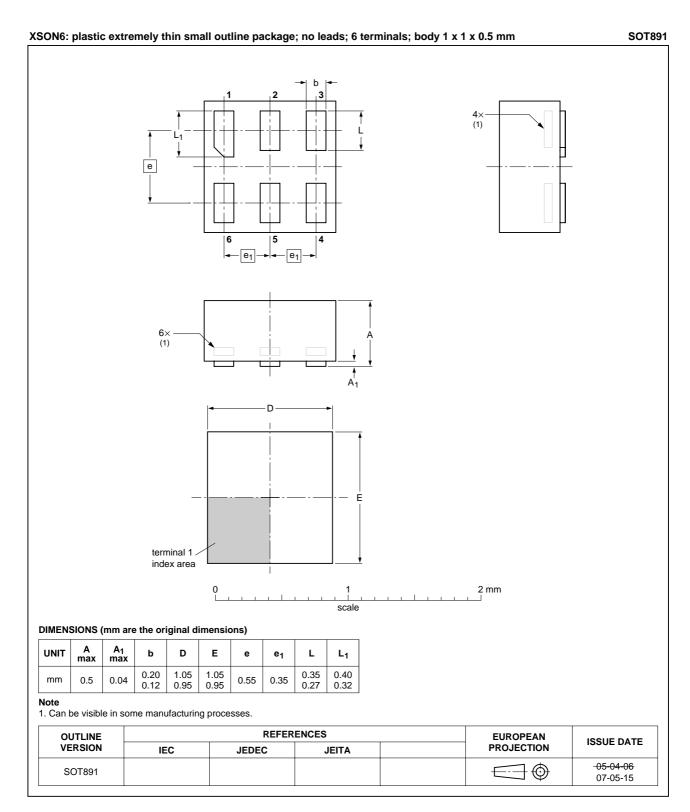


Fig 11. Package outline SOT891 (XSON6)

Low-power dual buffer with open-drain output

14. Abbreviations

Table 11. Abbreviations

Acronym	Description
CDM	Charged Device Model
CMOS	Complementary Metal Oxide Semiconductor
DUT	Device Under Test
ESD	ElectroStatic Discharge
НВМ	Human Body Model
MM	Machine Model
TTL	Transistor-Transistor Logic

15. Revision history

Table 12. Revision history

Document IDRelease dateData sheet statusChange noticeSupersedes74AUP2G07_320071016Product data sheet-74AUP2G07_2Modifications:• Table 7: Values for CI and CO have changed. • Section 11: CPD values have changed.74AUP2G07_220070612Product data sheet-74AUP2G07_1Modifications:• Added IOZ in Section 10 and Table 774AUP2G07_120061121Product data sheet		•			
Modifications: • Table 7: Values for C _I and C _O have changed. • Section 11: C _{PD} values have changed. 74AUP2G07_2 20070612 Product data sheet • Added I _{OZ} in Section 10 and Table 7	Document ID	Release date	Data sheet status	Change notice	Supersedes
• Section 11: C _{PD} values have changed. 74AUP2G07_2 20070612 Product data sheet - 74AUP2G07_1 Modifications: • Added I _{OZ} in Section 10 and Table 7	74AUP2G07_3	20071016	Product data sheet	-	74AUP2G07_2
Modifications: ● Added I _{OZ} in Section 10 and Table 7	Modifications:			nged.	
	74AUP2G07_2	20070612	Product data sheet	-	74AUP2G07_1
74AUP2G07_1 20061121 Product data sheet	Modifications:	 Added I_{OZ} ir 	n Section 10 and Table 7		
	74AUP2G07_1	20061121	Product data sheet	-	-

Low-power dual buffer with open-drain output

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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