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Team Nexperia

74AUP1T97

Low-power configurable gate with voltage-level translator Rev. 5 — 17 September 2015 Product data s

Product data sheet

General description 1.

The 74AUP1T97 provides low-power, low-voltage configurable logic gate functions. The output state is determined by eight patterns of 3-bit input. The user can choose the logic functions MUX, AND, OR, NAND, NOR, inverter and buffer. All inputs can be connected to V_{CC} or GND.

This device ensures a very low static and dynamic power consumption across the entire V_{CC} range from 2.3 V to 3.6 V.

The 74AUP1T97 is designed for logic-level translation applications with input switching levels that accept 1.8 V low-voltage CMOS signals, while operating from either a single 2.5 V or 3.3 V supply voltage.

The wide supply voltage range ensures normal operation as battery voltage drops from 3.6 V to 2.3 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.

Schmitt trigger inputs make the circuit tolerant to slower input rise and fall times across the entire V_{CC} range.

Features and benefits 2.

- Wide supply voltage range from 2.3 V to 3.6 V
- High noise immunity
- 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; $I_{CC} = 1.5 \mu A$ (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 configurable gate with voltage-level translator

3. Ordering information

Table 1. Ordering information

Type number	Package						
	Temperature range	Name	Description	Version			
74AUP1T97GW	–40 °C to +125 °C	SC-88	plastic surface-mounted package; 6 leads	SOT363			
74AUP1T97GM	−40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1.45 × 0.5 mm	SOT886			
74AUP1T97GF	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1 × 0.5 mm	SOT891			
74AUP1T97GN	-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			
74AUP1T97GS	-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			
74AUP1T97GX	-40 °C to +125 °C	X2SON6	plastic thermal extremely thin small outline package; no leads; 6 terminals; body 1 \times 0.8 \times 0.35 mm	SOT1255			

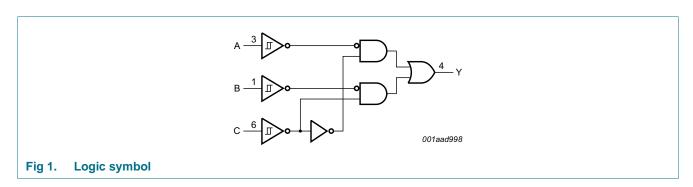
4. Marking

Table 2. Marking

Type number	Marking code[1]
74AUP1T97GW	59
74AUP1T97GM	59
74AUP1T97GF	59
74AUP1T97GN	59
74AUP1T97GS	59
74AUP1T97GX	59

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

5. Functional diagram



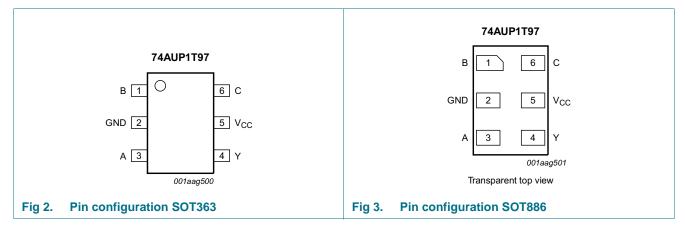
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Low-power configurable gate with voltage-level translator

6. Pinning information

6.1 Pinning





6.2 Pin description

Table 3. Pin description

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

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Low-power configurable gate with voltage-level translator

7. Functional description

Table 4. Function table[1]

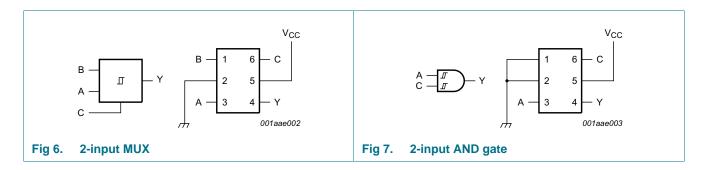
Input			Output
С	В	A	Υ
L	L	L	L
L	L	Н	L
L	Н	L	Н
L	Н	Н	Н
Н	L	L	L
Н	L	Н	Н
Н	Н	L	L
Н	Н	Н	Н

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

7.1 Logic configurations

Table 5. Function selection table

Logic function	Figure
2-input MUX	see Figure 6
2-input AND	see Figure 7
2-input OR with one input inverted	see Figure 8
2-input NAND with one input inverted	see Figure 8
2-input AND with one input inverted	see Figure 9
2-input NOR with one input inverted	see Figure 9
2-input OR	see Figure 10
Inverter	see Figure 11
Buffer	see Figure 12



Product data sheet

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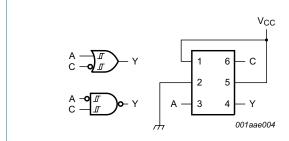


Fig 8. 2-input NAND gate with input A inverted or 2-input OR gate with input C inverted

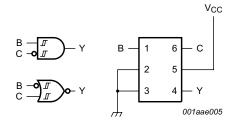


Fig 9. 2-input NOR gate with input B inverted or 2-input AND gate with input C inverted

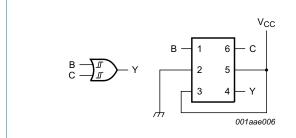


Fig 10. 2-input OR gate

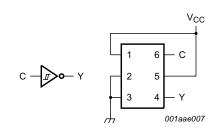


Fig 11. Inverter

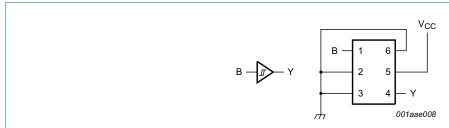


Fig 12. Buffer

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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
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
Io	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	$T_{amb} = -40 ^{\circ}\text{C to } +125 ^{\circ}\text{C}$	-	250	mW

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

9. Recommended operating conditions

Table 7. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Max	Unit
V _{CC}	supply voltage		2.3	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

^[2] For SC-88 package: above 87.5 $^{\circ}$ C the value of P_{tot} derates linearly with 4.0 mW/K. For X2SON6 and XSON6 packages: above 118 $^{\circ}$ C the value of P_{tot} derates linearly with 7.8 mW/K.

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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} = 2	5 °C					
V _{T+}	positive-going threshold	V _{CC} = 2.3 V to 2.7 V	0.60	-	1.10	V
	voltage	V _{CC} = 3.0 V to 3.6 V	0.75	-	1.16	V
V_{T-}	negative-going threshold	V _{CC} = 2.3 V to 2.7 V	0.35	-	0.60	V
	voltage	V _{CC} = 3.0 V to 3.6 V	0.50	-	0.85	V
V _H	hysteresis voltage	$(V_{H} = V_{T+} - V_{T-})$				
		V _{CC} = 2.3 V to 2.7 V	0.23	-	0.60	V
		V _{CC} = 3.0 V to 3.6 V	0.25	-	0.56	V
V _{OH}	HIGH-level output voltage	$V_I = V_{T+}$ or V_{T-}				
		$I_O = -20 \mu A$; $V_{CC} = 2.3 \text{ V to } 3.6 \text{ V}$	V _{CC} - 0.1	-	-	V
		$I_{O} = -2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	2.05	-	-	V
		$I_{O} = -3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.9	-	-	V
		$I_{O} = -2.7 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.72	-	-	V
		$I_{O} = -4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.6	-	-	V
V _{OL}	LOW-level output voltage	$V_I = V_{T+}$ or V_{T-}				
		$I_O = 20 \mu A$; $V_{CC} = 2.3 \text{ V to } 3.6 \text{ V}$	-	-	0.10	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	$V_{I} = GND \text{ to } 3.6 \text{ V}; V_{CC} = 0 \text{ V to } 3.6 \text{ V}$	-	-	±0.1	μΑ
l _{OFF}	power-off leakage current	V_{I} or $V_{O} = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$	-	-	±0.1	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	μА
I _{CC}	supply current	V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 2.3 V to 3.6 V	-	-	1.2	μА
Cı	input capacitance	$V_{CC} = 0 \text{ V to } 3.6 \text{ V; } V_{I} = \text{GND or } V_{CC}$	-	0.8	-	pF
Co	output capacitance	V _O = GND; V _{CC} = 0 V	-	1.7	-	pF
T _{amb} = -	40 °C to +85 °C					
V_{T+}	positive-going threshold	V _{CC} = 2.3 V to 2.7 V	0.60	-	1.10	V
	voltage	V _{CC} = 3.0 V to 3.6 V	0.75	-	1.19	V
V_{T-}	negative-going threshold	V _{CC} = 2.3 V to 2.7 V	0.35	-	0.60	V
	voltage	V _{CC} = 3.0 V to 3.6 V	0.50	-	0.85	V
V_{H}	hysteresis voltage	$(V_H = V_{T+} - V_{T-})$				
		V _{CC} = 2.3 V to 2.7 V	0.10	-	0.60	V
		V _{CC} = 3.0 V to 3.6 V	0.15	-	0.56	V

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Low-power configurable gate with voltage-level translator

Table 8. Static characteristics ...continued

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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
V _{OH}	HIGH-level output voltage	$V_I = V_{T+}$ or V_{T-}				
		$I_{O} = -20 \mu A$; $V_{CC} = 2.3 \text{ V to } 3.6 \text{ V}$	V _{CC} - 0.1	-	Max	V
		$I_{O} = -2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.97	-	-	V
		$I_{O} = -3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.85	-	-	V
		$I_{O} = -2.7 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.67	-	-	V
		$I_{O} = -4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.55	-	-	V
V _{OL}	LOW-level output voltage	$V_I = V_{T+}$ or V_{T-}				
		$I_{O} = 20 \mu A$; $V_{CC} = 2.3 \text{ V to } 3.6 \text{ V}$	-	-	0.1	V
		$I_{O} = 2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.33	V
		I _O = 3.1 mA; V _{CC} = 2.3 V	-	-	0.45	V
		$I_{O} = 2.7 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.33	V
		I _O = 4.0 mA; V _{CC} = 3.0 V	-	-	0.45	V
l _l	input leakage current	$V_{I} = GND \text{ to } 3.6 \text{ V}; V_{CC} = 0 \text{ V to } 3.6 \text{ V}$	-	-	±0.5	μΑ
I _{OFF}	power-off leakage current	V_1 or $V_0 = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$	-	-	±0.5	μΑ
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	-	-	±0.5	μΑ
I _{CC}	supply current	V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 2.3 V to 3.6 V	-	-	1.5	μΑ
Δl _{CC}	additional supply current	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V; } I_O = 0 \text{ A}$	-	-	4	μΑ
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V; } I_O = 0 \text{ A}$	-	-	12	μΑ
T _{amb} = -	40 °C to +125 °C	7				
V _{T+}	positive-going threshold	V _{CC} = 2.3 V to 2.7 V	0.60	-	1.10	V
	voltage	V _{CC} = 3.0 V to 3.6 V	0.75	-	1.19	V
V_{T-}	negative-going threshold	V _{CC} = 2.3 V to 2.7 V	0.33	-	0.1 0.33 0.45 0.33 0.45 ±0.5 ±0.5 1.5 4 12 1.10 1.19 0.64	V
	voltage	V _{CC} = 3.0 V to 3.6 V	0.46		V	
V _H	hysteresis voltage	$(V_{H} = V_{T+} - V_{T-})$			0.1 0.33 0.45 0.33 0.45 ±0.5 ±0.5 ±0.5 1.5 4 12 1.10 1.19 0.64 0.85 0.60 0.56 0.11 0.36 0.50 0.36 0.50	
		V _{CC} = 2.3 V to 2.7 V	0.10	-		V
		V _{CC} = 3.0 V to 3.6 V	0.15	-	0.56	V
V _{OH}	HIGH-level output voltage	$V_I = V_{T+}$ or V_{T-}				
		$I_O = -20 \mu A$; $V_{CC} = 2.3 \text{ V to } 3.6 \text{ V}$	V _{CC} - 0.11	-		V
		$I_{O} = -2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.77	-	-	V
		$I_O = -3.1 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.67	-	-	V
		$I_{O} = -2.7 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.40	-	-	V
		$I_O = -4.0 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.30	_	-	V
V _{OL}	LOW-level output voltage	$V_1 = V_{T+}$ or V_{T-}				
· OL	· · · · · · · · · · · · · · · · · ·	$I_O = 20 \mu A$; $V_{CC} = 2.3 \text{ V to } 3.6 \text{ V}$	-	_	0.11	V
		$I_O = 2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	_		V
		$I_O = 3.1 \text{ mA}$; $V_{CC} = 2.3 \text{ V}$	-	_		V
		$I_O = 2.7 \text{ mA}$; $V_{CC} = 2.0 \text{ V}$	-			V
		$I_O = 4.0 \text{ mA}$; $V_{CC} = 3.0 \text{ V}$	-			V
I.	innut leakage current					
l _l	input leakage current	$V_1 = GND \text{ to } 3.6 \text{ V}; V_{CC} = 0 \text{ V to } 3.6 \text{ V}$	-	-	±0.75	μΑ

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Low-power configurable gate with voltage-level translator

Table 8. Static characteristics ... continued

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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
I _{OFF}	power-off leakage current	V_I or $V_O = 0$ V to 3.6 V; $V_{CC} = 0$ V	-	-	±0.75	μΑ
ΔI_{OFF}	additional power-off leakage current	$V_1 \text{ or } V_O = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.75	μА
I _{CC}	supply current	V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 2.3 V to 3.6 V	-	-	3.5	μА
ΔI_{CC}	additional supply current	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V; } I_O = 0 \text{ A}$	-	-	7	μΑ
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V; } I_O = 0 \text{ A}$	-	-	22	μΑ

^[1] One input at 0.3 V or 1.1 V, other input 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 14.

Symbol	Parameter	Conditions		25 °C			-40 °C to +125 °C		
			Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
V _{CC} = 2.	3 V to 2.7 V; V _I = 1.6	55 V to 1.95 V							
t _{pd}	propagation delay	A, B, C to Y; see Figure 13	2]						
		C _L = 5 pF	2.2	3.5	5.5	0.5	6.8	7.5	ns
		C _L = 10 pF	2.6	4.1	6.3	1.0	7.9	8.7	ns
		C _L = 15 pF	2.9	4.6	6.9	1.0	8.7	9.6	ns
		C _L = 30 pF	3.7	5.8	8.4	1.5	10.8	11.9	ns
V _{CC} = 2.	3 V to 2.7 V; V _I = 2.3	3 V to 2.7 V							
t _{pd}	propagation delay	A, B, C to Y; see Figure 13	2]						
		C _L = 5 pF	1.8	3.4	5.5	0.5	6.0	6.6	ns
		C _L = 10 pF	2.2	4.0	6.2	1.0	7.1	7.9	ns
		C _L = 15 pF	2.5	4.4	6.8	1.0	7.9	8.7	ns
		C _L = 30 pF	3.2	5.6	8.3	1.5	10.0	11.0	ns
V _{CC} = 2.	3 V to 2.7 V; V _I = 3.0	V to 3.6 V	•						
t _{pd}	propagation delay	A, B, C to Y; see Figure 13	2]						
		C _L = 5 pF	1.4	3.1	5.0	0.5	5.5	6.1	ns
		C _L = 10 pF	1.8	3.7	5.7	1.0	6.5	7.2	ns
		C _L = 15 pF	2.2	4.2	6.3	1.0	7.4	8.2	ns
		C _L = 30 pF	2.9	5.3	7.9	1.5	9.5	10.5	ns
$V_{CC} = 3$.	0 V to 3.6 V; V _I = 1.6	55 V to 1.95 V							
t _{pd}	propagation delay	A, B, C to Y; see Figure 13	2]						
		C _L = 5 pF	2.1	2.9	3.9	0.5	8.0	8.8	ns
		C _L = 10 pF	2.5	3.4	4.6	1.0	8.5	9.4	ns
		C _L = 15 pF	2.9	3.9	5.2	1.0	9.1	10.1	ns
		C _L = 30 pF	3.6	5.0	6.7	1.5	9.8	10.8	ns

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^[2] One input at 0.45 V or 1.2 V, other input at V_{CC} or GND.

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 Table 9.
 Dynamic characteristics ...continued

Voltages are referenced to GND (ground = 0 V); for test circuit see Figure 14.

Symbol	Parameter	Conditions	25 °C			-40 °C to +125 °C			Unit
			Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
$V_{CC} = 3.0$	V to 3.6 V; V _I = 2.3	3 V to 2.7 V							
t _{pd}	propagation delay	A, B, C to Y; see Figure 13							
		C _L = 5 pF	1.7	2.8	4.2	0.5	5.3	5.9	ns
		C _L = 10 pF	2.1	3.4	5.0	1.0	6.1	6.8	ns
		C _L = 15 pF	2.4	3.8	5.6	1.0	6.8	7.5	ns
		C _L = 30 pF	3.2	5.0	7.1	1.5	8.5	9.4	ns
$V_{CC} = 3.0$	V to 3.6 V; V _I = 3.0	V to 3.6 V				l		1	
t _{pd}	propagation delay	A, B, C to Y; see Figure 13							
		C _L = 5 pF	1.4	2.7	4.2	0.5	4.7	5.2	ns
		C _L = 10 pF	1.8	3.3	5.0	1.0	5.7	6.3	ns
		C _L = 15 pF	2.1	3.8	5.6	1.0	6.2	6.9	ns
		C _L = 30 pF	2.9	4.9	7.1	1.5	7.8	8.6	ns
T _{amb} = 2	5 °C	1					1	1	
C _{PD}	power dissipation	$f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$ [3]							
	capacitance	V _{CC} = 2.3 V to 2.7 V	-	3.6	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	4.3	-	-	-	-	pF

- [1] All typical values are measured at nominal V_{CC}.
- [2] $\;\;t_{pd}$ is the same as t_{PLH} and t_{PHL}
- [3] 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;

f_o = output frequency in MHz;

C_L = output load capacitance in pF;

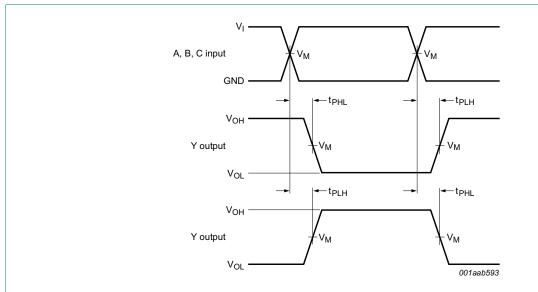
V_{CC} = supply voltage in V;

N = number of inputs switching;

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

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12. Waveforms



Measurement points are given in Table 10.

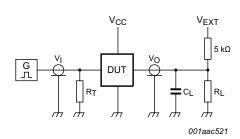
 V_{OL} and V_{OH} are typical output voltage drop that occur with the output load.

Fig 13. Input A, B and C to output Y propagation delay times.

Table 10. Measurement points

Supply voltage	Output	Input		
V _{CC}	V _M	V _M	VI	$t_r = t_f$
2.3 V to 3.6 V	0.5V _{CC}	0.5V _I	1.65 V to 3.6 V	≤ 3.0 ns

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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.

Fig 14. Test circuit for measuring switching times

Table 11. Test data

Supply voltage	Load		V _{EXT}		
V _{CC}	C _L	R _L [1]	t _{PLH} , t _{PHL}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
2.3 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 $R_L = 5 \text{ k}\Omega$, for measuring propagation delays, setup and hold times and pulse width $R_L = 1 \text{ M}\Omega$.

13. Package outline

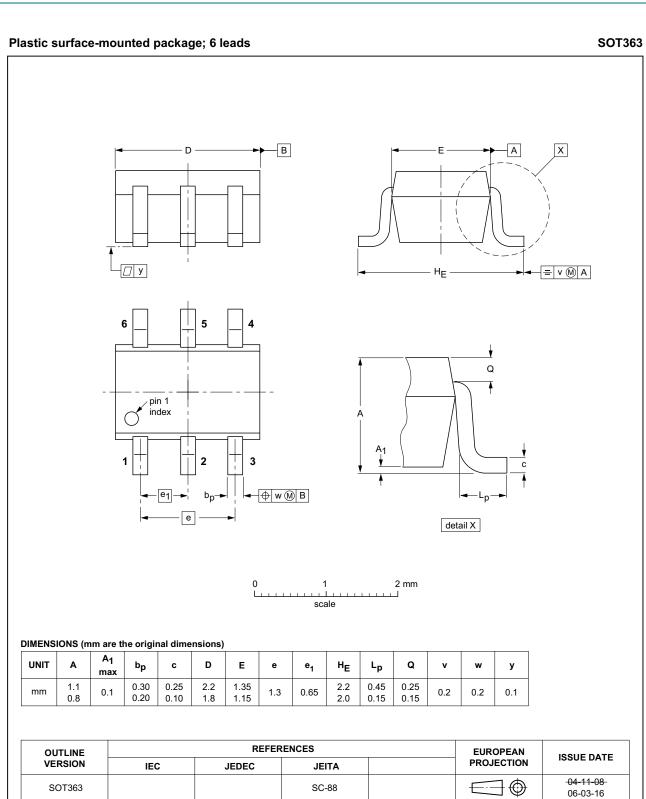


Fig 15. Package outline SOT363 (SC-88)

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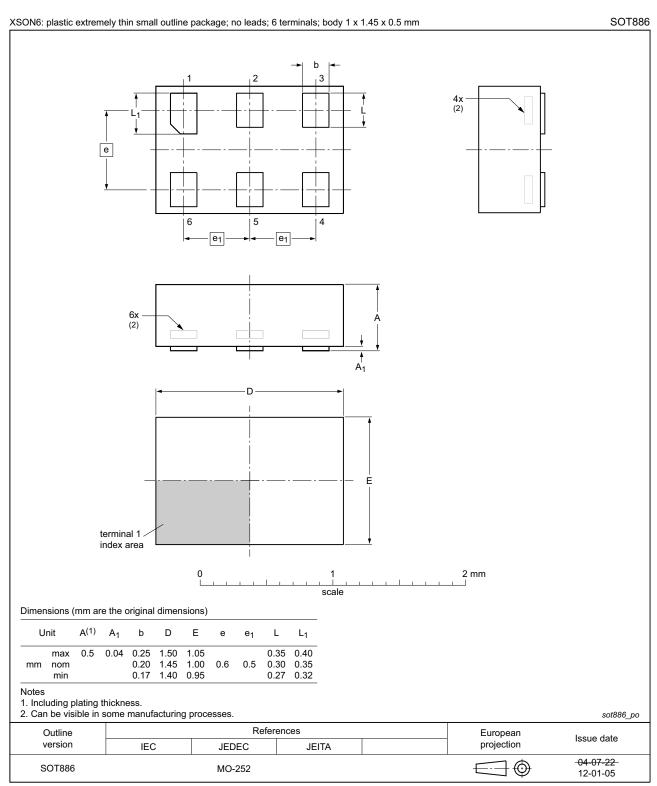


Fig 16. Package outline SOT886 (XSON6)

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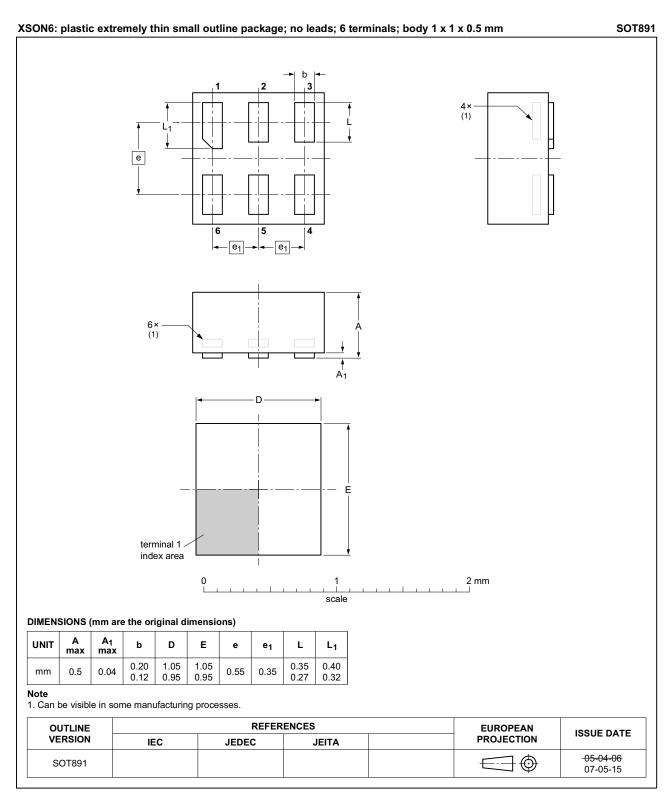


Fig 17. Package outline SOT891 (XSON6)

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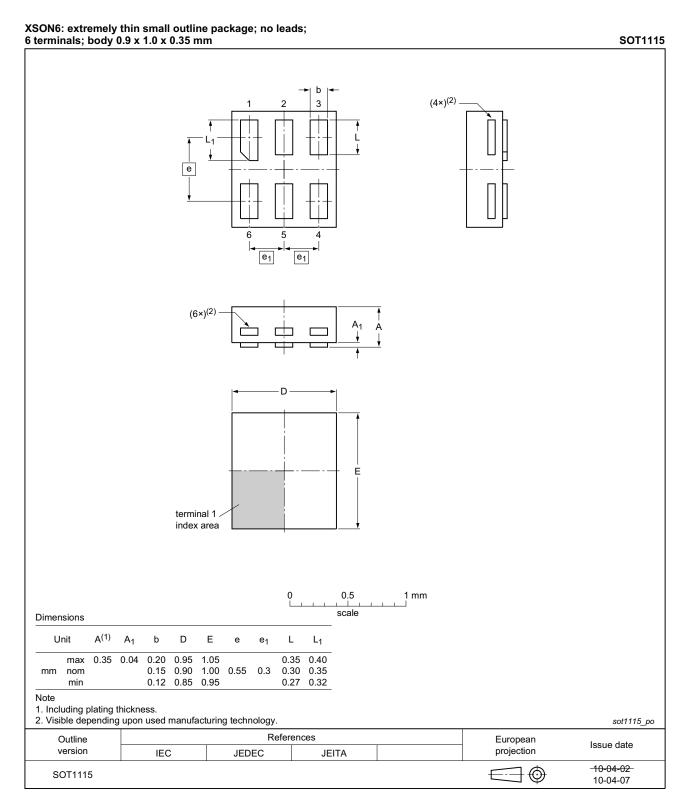


Fig 18. Package outline SOT1115 (XSON6)

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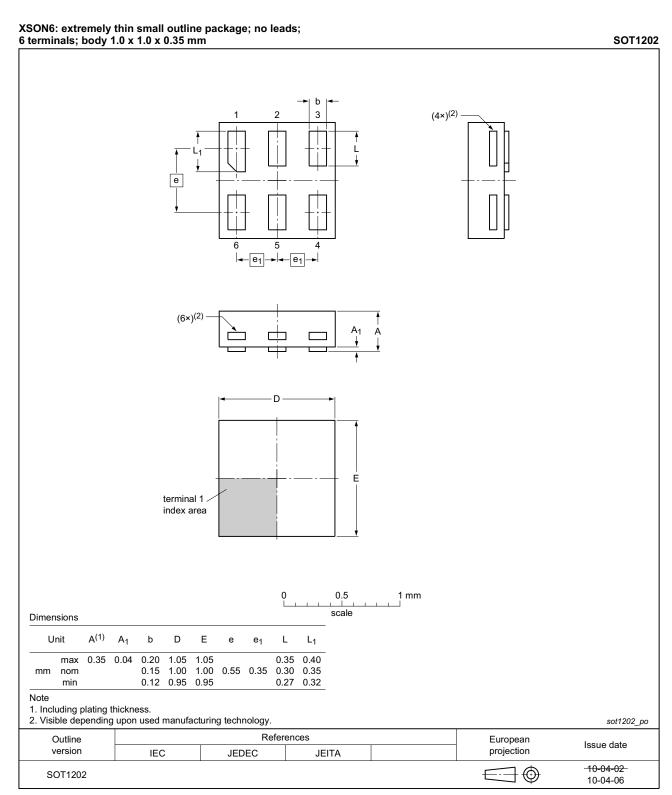


Fig 19. Package outline SOT1202 (XSON6)

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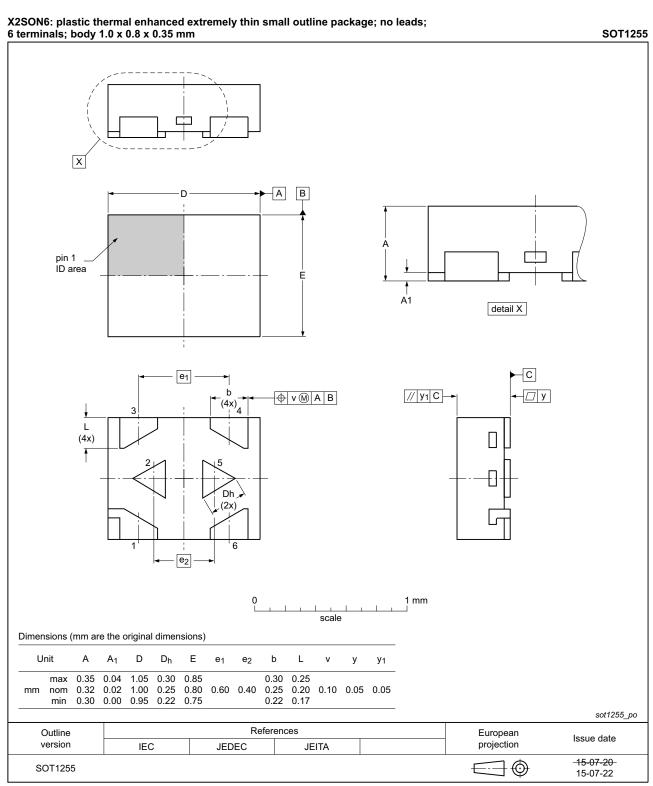


Fig 20. Package outline SOT1255 (X2SON6)

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14. Abbreviations

Table 12. Abbreviations

Acronym	Description
CDM	Charged Device Model
CMOS	Complementary Metal Oxide Semiconductor
DUT	Device Under Test
ESD	ElectroStatic Discharge
HBM	Human Body Model
MM	Machine Model

15. Revision history

Table 13. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74AUP1T97 v.5	20150917	Product data sheet	-	74AUP1T97 v.4
Modifications:	 Added type r 	number 74AUP1T97GX (SOT1	255/X2SON6).	1
74AUP1T97 v.4	20120815	Product data sheet	-	74AUP1T97 v.3
Modifications:	Package out	line drawing of SOT886 (Figure	e 16) modified.	1
74AUP1T97 v.3	20111130	Product data sheet	-	74AUP1T97 v.2
74AUP1T97 v.2	20101018	Product data sheet	-	74AUP1T97 v.1
74AUP1T97 v.1	20071025	Product data sheet	-	-

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"
- [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.nxp.com.

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