74AUP2G04

Low-power dual inverter

Rev. 7 — 4 November 2021

Product data sheet

1. General description

The 74AUP2G04 is a dual inverter. Schmitt-trigger action at all inputs makes the circuit tolerant of slower input rise and fall times. This device ensures 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 potentially 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

3. Ordering information

Table 1. Ordering information

Type number	Package			
	Temperature range	Name	Description	Version
74AUP2G04GW	-40 °C to +125 °C	SC-88	plastic surface-mounted package; 6 leads	SOT363
74AUP2G04GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1.45 × 0.5 mm	SOT886
74AUP2G04GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm	SOT1115
74AUP2G04GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm	SOT1202
74AUP2G04GX	-40 °C to +125 °C	X2SON6	plastic thermal enhanced extremely thin small outline package; no leads; 6 terminals; body 1.0 × 0.8 × 0.32 mm	SOT1255-2



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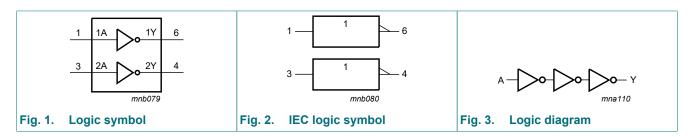
4. Marking

Table 2. Marking

Type number	Marking code[1]
74AUP2G04GW	p4
74AUP2G04GM	p4
74AUP2G04GN	p4
74AUP2G04GS	p4
74AUP2G04GX	p4

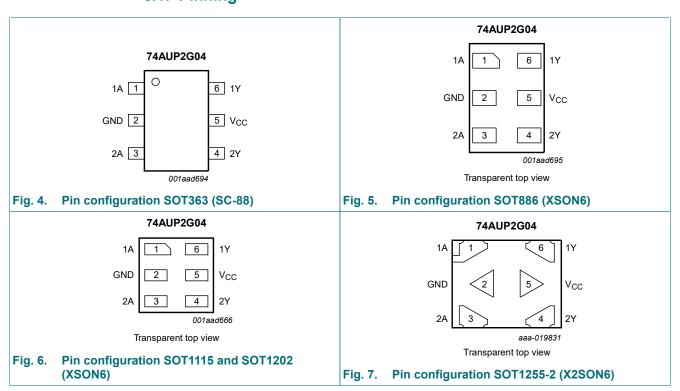
^[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information

6.1. Pinning



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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

 $H = HIGH \ voltage \ level; \ L = LOW \ voltage \ level.$

Input	Output
nA	nY
L	Н
Н	L

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	[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	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$ [2]	-	250	mW

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

^[2] For SOT363 (SC-88) package: P_{tot} derates linearly with 3.7 mW/K above 83 °C.

For SOT886 (XSON6) package: P_{tot} derates linearly with 3.3 mW/K above 74 $^{\circ}\text{C}.$

For SOT1115 (XSON6) package: P_{tot} derates linearly with 3.2 mW/K above 71 °C.

For SOT1202 (XSON6) package: $\mathrm{P_{tot}}$ derates linearly with 3.3 mW/K above 74 °C.

For SOT1255-2 (X2SON6) package: Ptot derates linearly with 3.3 mW/K above 75 °C.

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9. Recommended operating conditions

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	Max	Unit
T _{amb} = 2	5 °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 _{OH}	HIGH-level output	V _I = V _{IH} or V _{IL}				
	voltage	age $I_O = -20 \mu A; V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$		-	-	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	V _I = V _{IH} or V _{IL}				
	voltage	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 × 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 _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V	-	-	±0.1	μΑ

Symbol	Symbol Parameter Conditions		Min	Тур	Max	Unit
I _{OFF}	power-off leakage V_I or $V_O = 0$ V to 3.6 V; $V_{CC} = 0$ V current		-	-	±0.2	μΑ
Δl _{OFF}	additional power-off leakage current	V_1 or $V_0 = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$ 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	μΑ
Δl _{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	40	μA
Cı	input capacitance	V_{CC} = 0 V to 3.6 V; V_I = 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 _{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 _{OH}	HIGH-level output	$V_{I} = V_{IH}$ or V_{IL}				
	voltage	I _O = -20 μA; 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 × 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 _O = -2.3 mA; V _{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	$V_I = V_{IH}$ 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 × 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
I _I	input leakage current	V_1 = 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
Δl _{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_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 0.8 V to 3.6 V	-	-	0.9	μΑ
ΔI _{CC}	additional supply current	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$	-	-	50	μΑ

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
T _{amb} = -4	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
V _{OH}	HIGH-level output	$V_I = V_{IH}$ or V_{IL}				
	voltage	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
		$I_O = -1.9 \text{ mA}; V_{CC} = 1.65 \text{ V}$		-	-	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	$V_I = V_{IH}$ or V_{IL}				
	voltage	I_{O} = 20 μ 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 × 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 _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	μΑ
I _{OFF}	power-off leakage current	ower-off leakage 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 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

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11. Dynamic characteristics

Table 8. Dynamic characteristics

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

Symbol	Parameter	Conditions		25 °C			°C to 5 °C	-40 °C to +125 °C		Unit
			Min	Typ [1]	Max	Min	Max	Min	Max	
C _L = 5 p	F									
t _{pd}	propagation	nA to nY; see Fig. 8 [2]								
	delay	V _{CC} = 0.8 V	-	16.0	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.4	5.0	10.3	2.1	11.4	2.1	12.6	ns
		V _{CC} = 1.4 V to 1.6 V	1.8	3.6	6.4	1.6	7.4	1.6	8.2	ns
		V _{CC} = 1.65 V to 1.95 V	1.5	2.9	5.0	1.4	5.9	1.4	6.5	ns
		V _{CC} = 2.3 V to 2.7 V	1.2	2.4	3.9	1.1	4.5	1.1	5.0	ns
		V _{CC} = 3.0 V to 3.6 V	1.1	2.1	3.2	1.0	3.9	1.0	4.3	ns
C _L = 10	pF									
t _{pd}	propagation	nA to nY; see Fig. 8 [2]								
	delay	V _{CC} = 0.8 V	-	19.8	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.8	5.9	12.2	2.6	13.7	2.6	15.1	ns
		V _{CC} = 1.4 V to 1.6 V	2.3	4.2	7.5	2.1	8.7	2.1	9.6	ns
		V _{CC} = 1.65 V to 1.95 V	2.0	3.5	5.9	1.8	7.0	1.8	7.7	ns
		V _{CC} = 2.3 V to 2.7 V	1.7	2.9	4.6	1.5	5.4	1.5	6.0	ns
		V _{CC} = 3.0 V to 3.6 V	1.6	2.7	3.8	1.4	4.5	1.4	5.0	ns
C _L = 15	pF									
t _{pd}	propagation	nA to nY; see Fig. 8 [2]								
	delay	V _{CC} = 0.8 V	-	23.3	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.2	6.7	13.0	3.0	15.8	3.0	17.4	ns
		V _{CC} = 1.4 V to 1.6 V	2.6	4.7	8.6	2.4	10.0	2.4	11.0	ns
		V _{CC} = 1.65 V to 1.95 V	2.3	4.0	6.7	2.1	8.0	2.1	8.8	ns
		V _{CC} = 2.3 V to 2.7 V	2.1	3.3	5.1	1.8	6.1	1.8	6.8	ns
		V _{CC} = 3.0 V to 3.6 V	2.0	3.1	4.2	1.8	5.0	1.8	5.5	ns
C _L = 30	pF						1			
t _{pd}	propagation	nA to nY; see Fig. 8 [2]								
	delay	V _{CC} = 0.8 V	-	33.6	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.4	8.9	16.0	4.0	19.0	4.0	20.9	ns
		V _{CC} = 1.4 V to 1.6 V	3.6	6.3	10.8	3.2	12.9	3.2	14.2	ns
		V _{CC} = 1.65 V to 1.95 V	3.2	5.3	9.0	2.9	10.5	2.9	11.6	ns
		V _{CC} = 2.3 V to 2.7 V	2.9	4.5	6.5	2.6	7.6	2.6	8.4	ns
		V _{CC} = 3.0 V to 3.6 V	2.9	4.2	5.4	2.6	6.2	2.6	6.9	ns

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Symbol	Parameter	neter Conditions			25 °C		-40 ° +85	C to	_	°C to 5 °C	Unit
			Min	Typ [1]	Max	Min	Max	Min	Max		
C _L = 5 p	F, 10 pF, 15 pF	and 30 pF									
C _{PD}	power	f_i = 1 MHz; V_I = GND to V_{CC}	[3] [4]								
	dissipation capacitance	V _{CC} = 0.8 V		-	2.5	-	-	-	-	-	pF
	Capacitarioc	V _{CC} = 1.1 V to 1.3 V		-	2.7	-	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V		-	2.8	-	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V		-	3.0	-	-	-	-	-	pF
		V _{CC} = 2.3 V to 2.7 V		-	3.5	-	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V		-	4.0	-	-	-	-	-	pF

- All typical values are measured at nominal V_{CC}.
- t_{pd} is the same as t_{PLH} and t_{PHL} . [2]
- All specified values are the average typical values over all stated loads.
- C_{PD} is used to determine the dynamic power dissipation (P_D in μ W). $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma (C_L \times V_{CC}^2 \times f_o)$ where:

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

f_i = input frequency in MHz;

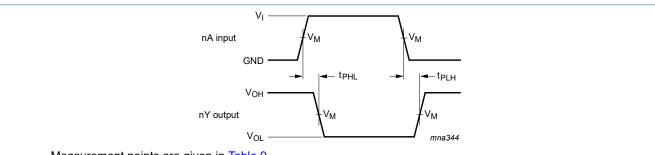
fo = output frequency in MHz;

C_L = load capacitance in pF;

V_{CC} = supply voltage in V;

N = number of inputs switching; $\Sigma (C_L \times V_{CC}^{\ 2} \times f_o) = \text{sum of the outputs}.$

11.1. Waveforms and test circuit



Measurement points are given in <u>Table 9</u>.

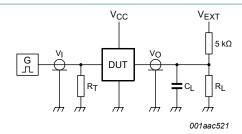
Logic levels: V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Fig. 8. The data input (nA) to output (nY) propagation delays

Table 9. Measurement points

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

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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_o of the pulse generator.

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

Fig. 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 kΩ or 1 MΩ	open	GND	2 × 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, $R_L = 1 \text{ M}\Omega$.

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12. Package outline

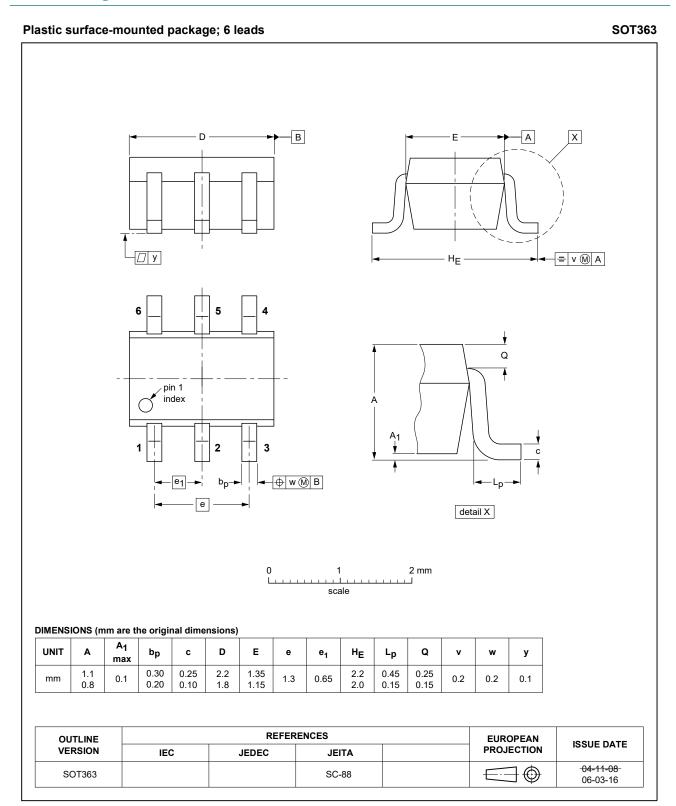


Fig. 10. Package outline SOT363 (SC-88)

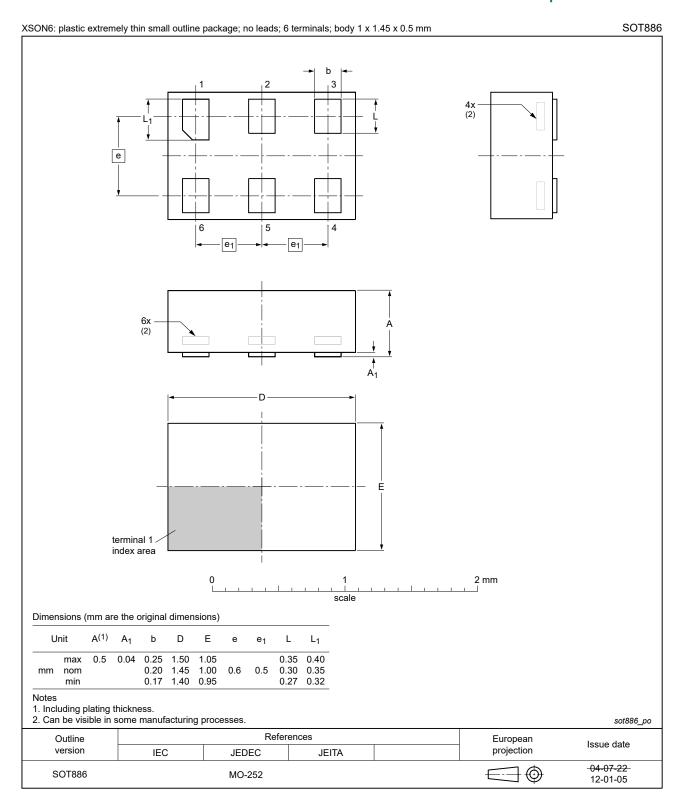


Fig. 11. Package outline SOT886 (XSON6)

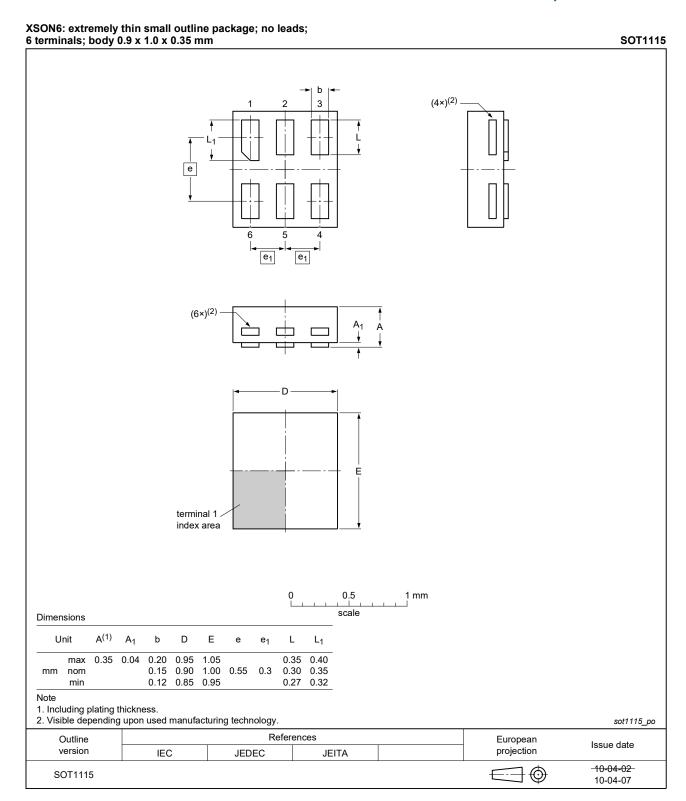


Fig. 12. Package outline SOT1115 (XSON6)

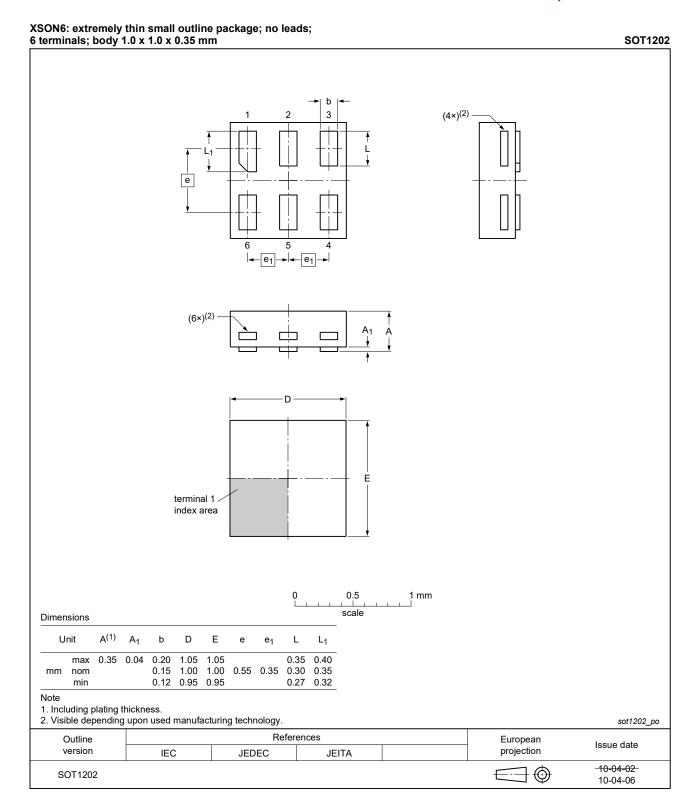


Fig. 13. Package outline SOT1202 (XSON6)

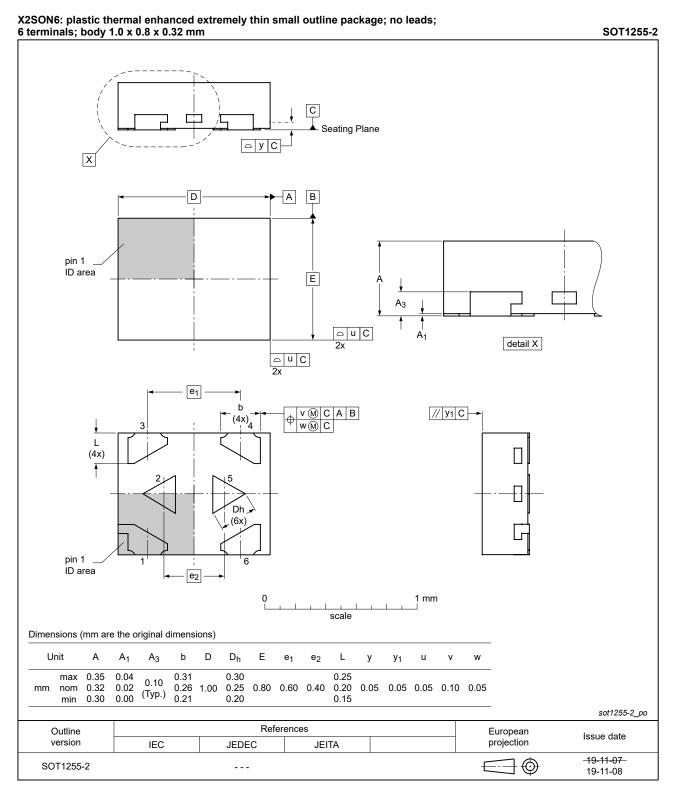


Fig. 14. Package outline SOT1255-2 (X2SON6)

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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
74AUP2G04 v.7	20211104	Product data sheet	-	74AUP2G04 v.6
Modifications:	guidelines of Legal texts Section 1 up Type number SOT1255 ()	have been adapted to the	new company nar 1/XSON6) remove d to SOT1255-2 (:	ne where appropriate. ed. X2SON6) package.
74AUP2G04 v.6	20150917	Product data sheet	-	74AUP2G04 v.5
Modifications:	Added type	number 74AUP2G04GX (SOT1255/X2SON	6).
74AUP2G04 v.5	20120305	Product data sheet	-	74AUP2G04 v.4
Modifications:	Package ou	ıtline drawing of SOT886 (Fig. 11) modified.	
74AUP2G04 v.4	20111202	Product data sheet	-	74AUP2G04 v.3
Modifications:	Legal pages	s updated.		
74AUP2G04 v.3	20101101	Product data sheet	-	74AUP2G04 v.2
74AUP2G04 v.2	20090707	Product data sheet	-	74AUP2G04 v.1
74AUP2G04 v.1	20061122	Product data sheet	-	-

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15. Legal information

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