74AUP1G34 Low-power buffer Rev. 7 — 28 March 2017

Product data sheet

General description 1

The 74AUP1G34 provides a low-power, low-voltage single buffer.

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.

Features and benefits 2

- 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 exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101E 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



3 Ordering information

Table 1. Ordering information

Type number	Package			
	Temperature range	Name	Description	Version
74AUP1G34GW	-40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1
74AUP1G34GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1.45 x 0.5 mm	SOT886
74AUP1G34GF	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads;6 terminals; body 1 x 1 x 0.5 mm	SOT891
74AUP1G34GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 x 1.0 x 0.35 mm	SOT1115
74AUP1G34GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 x 1.0 x 0.35 mm	SOT1202
74AUP1G34GX	-40 °C to +125 °C	X2SON5	X2SON5: plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 x 0.8 x 0.35 mm	SOT1226
74AUP1G34UK	-40 °C to +125 °C	WLCSP6	wafer level chip-scale package; 6 bumps; 0.65 x 0.44 x 0.27 mm	SOT1454-1

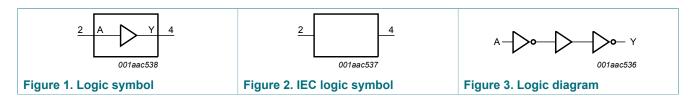
4 Marking

Table 2. Marking

Type number	Marking code ^[1]
74AUP1G34GW	aN
74AUP1G34GM	aN
74AUP1G34GF	aN
74AUP1G34GN	aN
74AUP1G34GS	aN
74AUP1G34GX	aN
74AUP1G34UK	4

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

5 Functional diagram

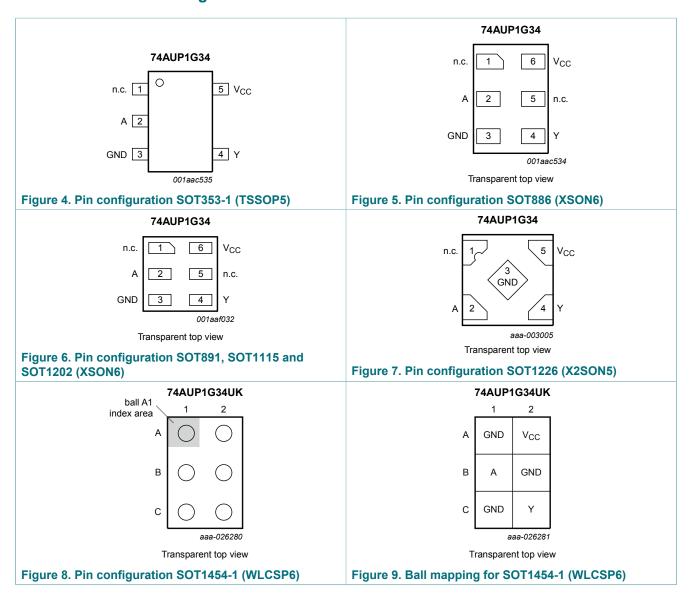


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6 Pinning information

6.1 Pinning



6.2 Pin description

Table 3. Pin description

Symbol	Pin	Pin					
	TSSOP5 and X2SON5	XSON6	WLCSP6				
n.c.	1	1	-	not connected			
Α	2	2	B1	data input			
GND	3	3	A1, B2, C1	ground (0 V)			
Υ	4	4	C2	data output			
n.c.	-	5	-	not connected			
V _{CC}	5	6	A2	supply voltage			

7 Functional description

Table 4. Function table [1]

Input	Output
A	Υ
L	L
Н	Н

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

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
V _O	output voltage	Active mode and Power-down mode [1]	-0.5	+4.6	V
Io	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. [2] For TSSOP5 packages: above 87.5 °C the value of P_{tot} derates linearly with 4.0 mW/K.

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^[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 P_{tot} derates linearly with 7.8 mW/K. For WLCSP6 package: above 102.5 °C the value of P_{tot} derates linearly with 5.3 mW/K.

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} = 25	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
	HIGH-level output voltage	$V_I = V_{IH}$ or V_{IL}				
		I_{O} = -20 μ A; V_{CC} = 0.8 V to 3.6 V	V _{CC} - 0.1	-	-	V
		I _O = -1.1 mA; V _{CC} = 1.1 V	0.75 × 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

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
		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
I _{OFF}	power-off leakage current	V_{I} or $V_{O} = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$	-	-	±0.2	μΑ
Δl _{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	-	-	±0.2	μΑ
I _{CC}	supply current	V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 0.8 V to 3.6 V	-	-	0.5	μΑ
ΔI _{CC}	additional supply current	$V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]	-	-	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} = -4	0 °C to +85 °C		,			
	HIGH-level input	V _{CC} = 0.8 V	0.70 × V _{CC}	-	-	V
	voitage	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
$C_{O} \qquad \text{output capacitance} \qquad V_{O} = \text{GND; } V_{CC} = 0 \text{ V}$ $T_{amb} = -40 \text{ °C to +85 °C}$ $V_{IH} \qquad \begin{array}{l} \text{HIGH-level input} \\ \text{voltage} \end{array} \qquad \begin{array}{l} V_{CC} = 0.8 \text{ V} \\ V_{CC} = 0.9 \text{ V to 1.95 V} \\ V_{CC} = 2.3 \text{ V to 2.7 V} \\ V_{CC} = 3.0 \text{ V to 3.6 V} \end{array}$ $V_{IL} \qquad \begin{array}{l} \text{LOW-level input} \\ \text{voltage} \end{array} \qquad \begin{array}{l} V_{CC} = 0.8 \text{ V} \\ V_{CC} = 2.3 \text{ V to 2.7 V} \\ V_{CC} = 2.3 \text{ V to 3.6 V} \end{array}$ $V_{CC} = 2.3 \text{ V to 1.95 V} \\ V_{CC} = 2.3 \text{ V to 2.7 V} \end{array}$						
	voltage	I_{O} = -20 μ A; 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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
		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_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.5	μΑ
I _{OFF}	power-off leakage current	V_{I} or $V_{O} = 0 \text{ V}$ to 3.6 V; $V_{CC} = 0 \text{ V}$	-	-	±0.5	μΑ
Δl _{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	-	-	±0.6	μΑ
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
Δl _{CC}	additional supply current	$V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]	-	-	50	μΑ
T _{amb} = -4	0 °C to +125 °C		1			
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 mA; V _{CC} = 1.65 V	1.17	-	-	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 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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
		$I_O = 2.3 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	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
I _I	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	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	$V_1 = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ [1]	-	-	75	μΑ

^[1] One input at V_{CC} - 0.6 V, other input at V_{CC} or GND.

11 Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Figure 11.

Symbol	Parameter	Conditions	Ta	_{mb} = 25	°C	T _{amb} = -40 °C to +125 °C				Unit
			Min	Typ ^[1]	Max	Min	Max (85 °C)	Min	Max (125 °C)	
C _L = 5 pF										
t _{pd}	propagation	A to Y; see Figure 10 [2]								
	delay	V _{CC} = 0.8 V	-	15.0	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	2.6	4.7	9.2	2.0	10.0	2.0	11.0	ns
		V _{CC} = 1.4 V to 1.6 V	2.1	3.4	5.7	1.6	6.5	1.6	7.2	ns
		V _{CC} = 1.65 V to 1.95 V	1.8	2.9	4.5	1.4	5.2	1.4	5.8	ns
		V _{CC} = 2.3 V to 2.7 V	1.5	2.3	3.5	1.2	4.2	1.2	4.6	ns
		V _{CC} = 3.0 V to 3.6 V	1.4	2.1	3.2	1.0	3.8	1.0	4.2	ns
C _L = 10 p	F									
t _{pd}	propagation	A to Y; see Figure 10 [2]								
	delay	V _{CC} = 0.8 V	-	18.4	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.2	5.6	10.9	2.3	11.8	2.3	13.1	ns
		V _{CC} = 1.4 V to 1.6 V	2.6	4.1	6.7	1.9	7.7	1.9	8.5	ns
		V _{CC} = 1.65 V to 1.95 V	2.3	3.4	5.3	1.7	6.2	1.7	6.9	ns
		V _{CC} = 2.3 V to 2.7 V	2.0	2.9	4.2	1.5	5.0	1.5	5.5	ns
		V _{CC} = 3.0 V to 3.6 V	1.7	2.6	3.8	1.4	4.6	1.4	5.1	ns

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Symbol	Parameter	Conditions	Ta	_{mb} = 25	°C	Ta	_{mb} = -40 °(C to +1	25 °C	Unit
			Min	Typ ^[1]	Max	Min	Max (85 °C)	Min	Max (125 °C)	
C _L = 15 p	F									
t _{pd}	propagation	A to Y; see Figure 10 [2]								
	delay	V _{CC} = 0.8 V	-	21.9	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	3.6	6.4	12.6	2.6	13.8	2.6	15.2	ns
		V _{CC} = 1.4 V to 1.6 V	3.0	4.6	7.6	2.2	8.9	2.2	9.8	ns
		V _{CC} = 1.65 V to 1.95 V	2.6	3.9	6.0	2.0	7.2	2.0	7.9	ns
		V _{CC} = 2.3 V to 2.7 V	2.3	3.3	4.8	1.8	5.7	1.8	6.3	ns
		V _{CC} = 3.0 V to 3.6 V	2.1	3.1	4.2	1.6	5.0	1.6	5.5	ns
C _L = 30 p	F				'					,
t _{pd}	propagation delay	A to Y; see Figure 10 [2]								
		V _{CC} = 0.8 V	-	32.1	-	-	-	-	-	ns
		V _{CC} = 1.1 V to 1.3 V	4.8	8.7	16.3	3.6	18.9	3.6	20.8	ns
		V _{CC} = 1.4 V to 1.6 V	4.0	6.2	10.3	3.4	12.2	3.4	13.4	ns
		V _{CC} = 1.65 V to 1.95 V	3.6	5.2	8.1	3.2	9.8	3.2	10.8	ns
		V _{CC} = 2.3 V to 2.7 V	3.0	4.4	6.4	2.7	7.7	2.7	8.5	ns
		V _{CC} = 3.0 V to 3.6 V	2.9	4.2	5.6	2.5	6.5	2.5	7.2	ns
C _{PD}	power dissipation	$V_I = GND \text{ to } V_{CC};$ $f_i = 1 \text{ MHz}$								
	capacitance	V _{CC} = 0.8 V	-	2.5	-	-	-	-	-	pF
		V _{CC} = 1.1 V to 1.3 V	-	2.6	-	-	-	-	-	pF
		V _{CC} = 1.4 V to 1.6 V	-	2.7	-	-	-	-	-	pF
		V _{CC} = 1.65 V to 1.95 V	-	2.9	-	-	-	-	-	pF
		V _{CC} = 2.3 V to 2.7 V	-	3.4	-	-	-	-	-	pF
		V _{CC} = 3.0 V to 3.6 V	-	4.0	-	-	-	-	-	pF

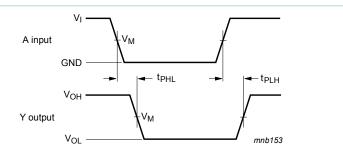
 f_0 = output frequency in MHz; C_L = output load capacitance in pF;

 V_{CC} = supply voltage in V;

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

All typical values are measured at nominal V_{CC}. t_{pd} is the same as t_{PLH} and t_{PHL} . 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: f_i = input frequency in MHz;

11.1 Waveforms and test circuit



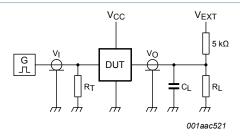
Measurement points are given in Table 9.

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

Figure 10. The data input (A) to output (Y) propagation delays

Table 9. Measurement points

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



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 11. Test circuit for measuring switching times

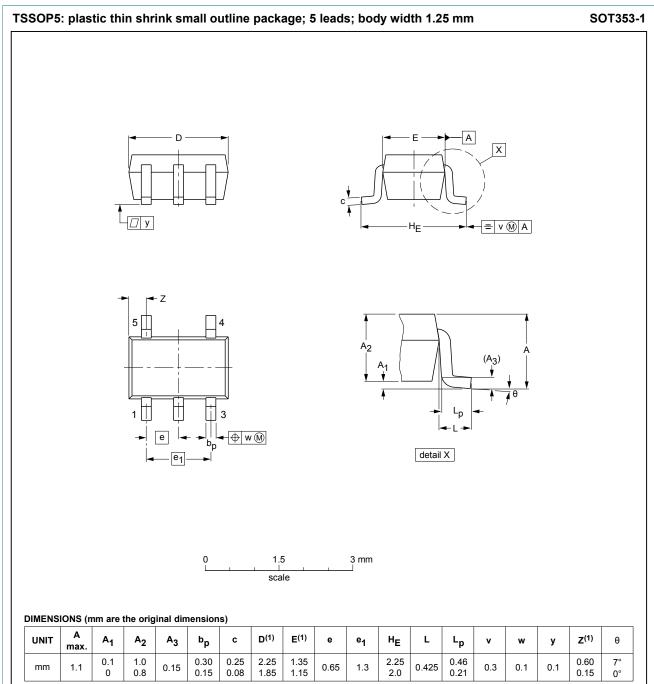
Table 10. Test data

Supply voltage	Load	V _{EXT}			
V _{CC}	C _L	R _L [1]	t _{PLH} , t _{PHL}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
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 × 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 $R_L = 1 \text{ M}\Omega$.

74AUP1G34

12 Package outline



Note

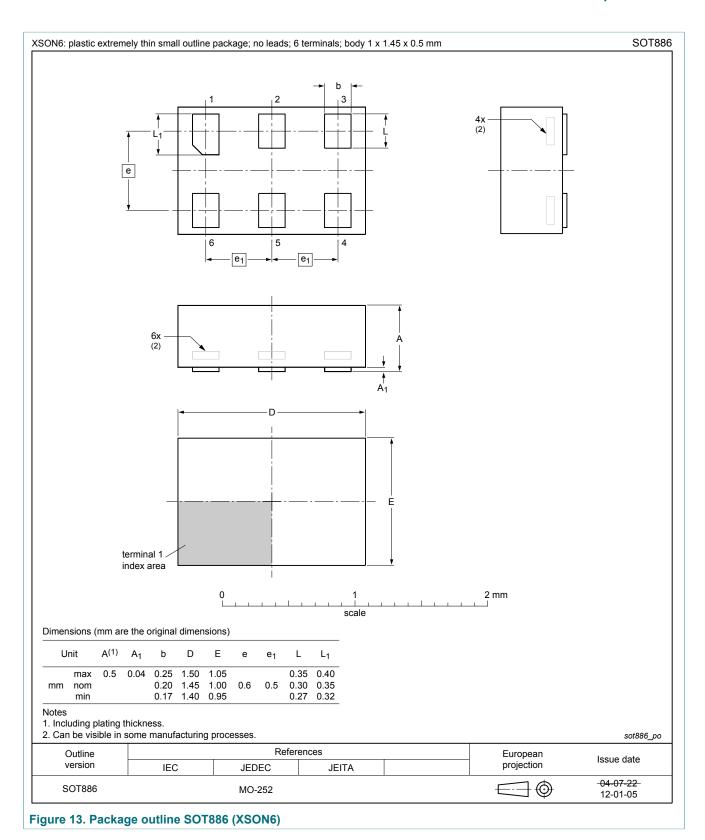
1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.

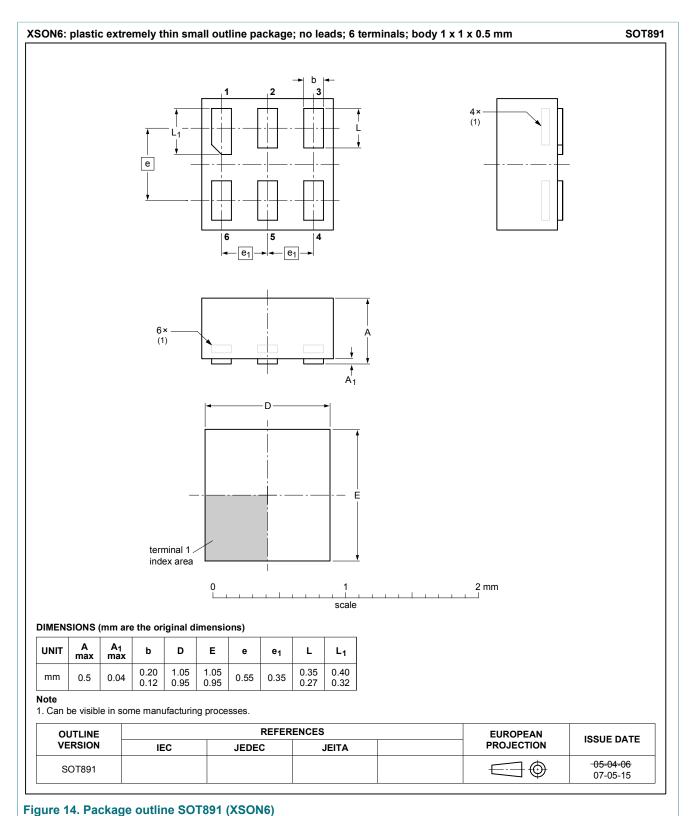
OUTLINE	REFERENCES			EUROPEAN	ISSUE DATE	
VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE
SOT353-1		MO-203	SC-88A			-00-09-01- 03-02-19

Figure 12. Package outline SOT353-1 (TSSOP5)

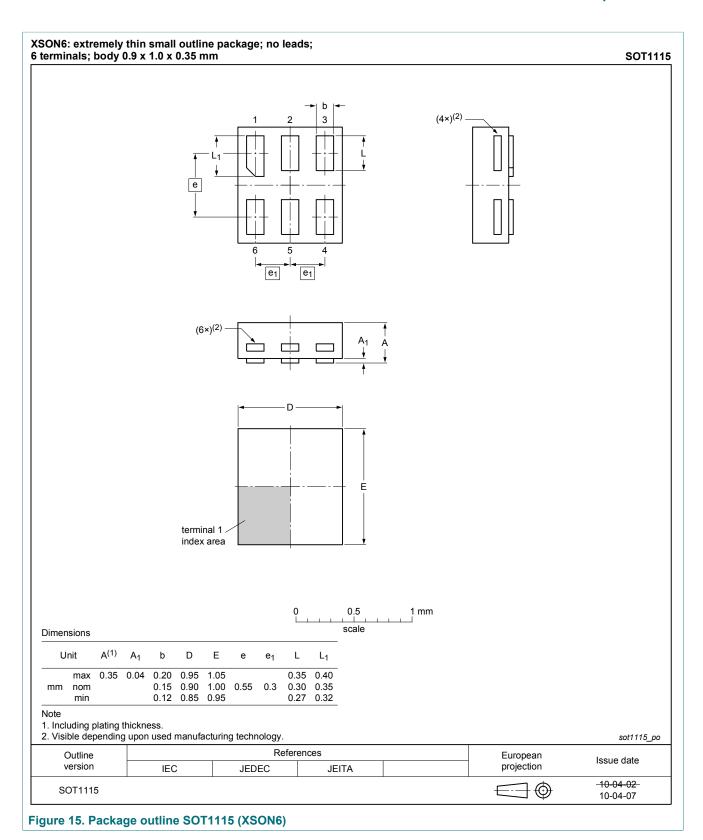
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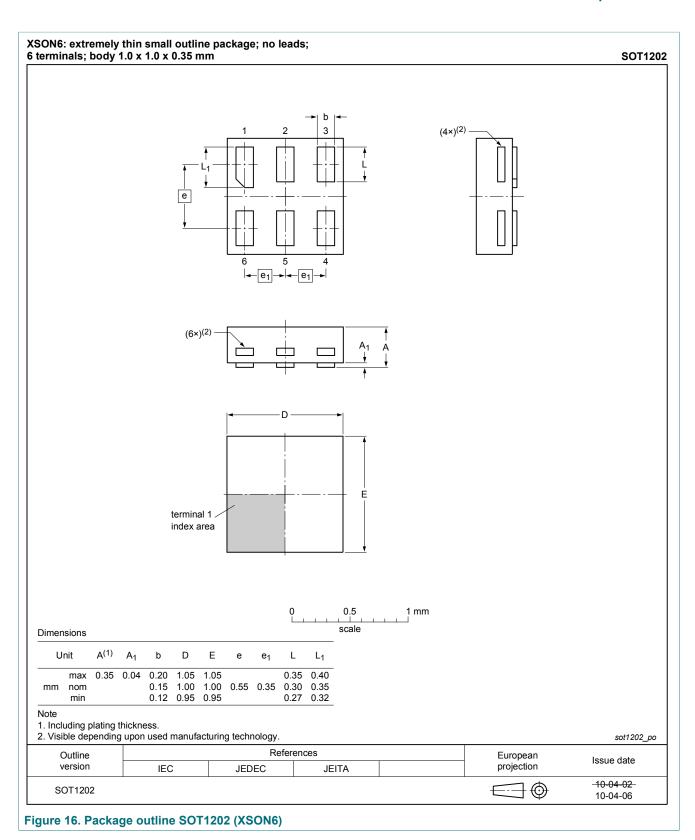
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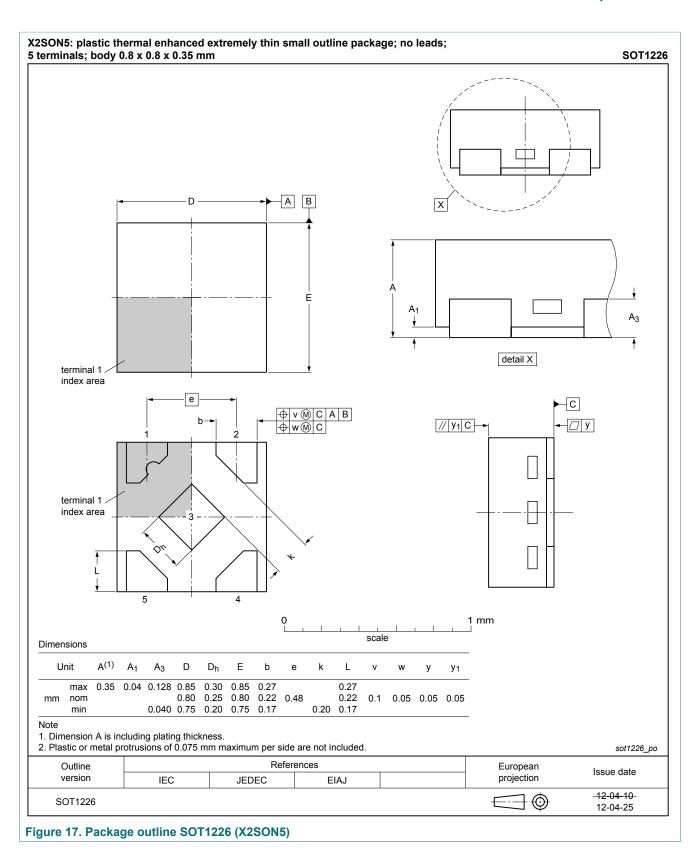


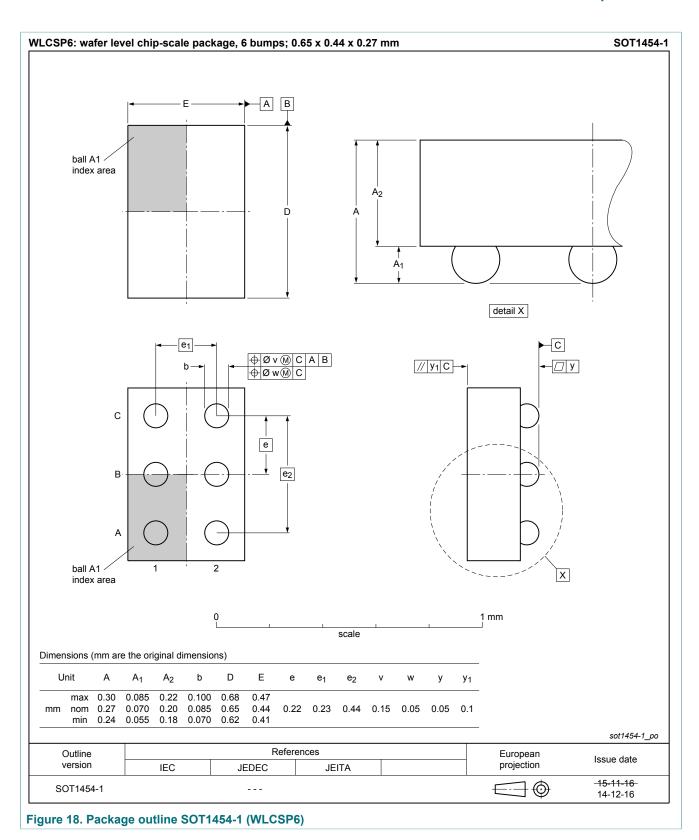


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13 Abbreviations

Table 11. Abbreviations

Acronym	Description
CDM	Charged Device Model
DUT	Device Under Test
ESD	ElectroStatic Discharge
HBM	Human Body Model
MM	Machine Model

14 Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes			
74AUP1G34 v.7	20170328	Product data sheet	-	74AUP1G34 v.6			
Modifications:	Added type num	Added type number 74AUP1G34UK (SOT1454-1/WLCSP6)					
74AUP1G34 v.6	20120628	Product data sheet	-	74AUP1G34 v.5			
Modifications:	71	 Added type number 74AUP1G34GX (SOT1226) Package outline drawing of SOT886 (Figure 13) modified. 					
74AUP1G34 v.5	20111128	Product data sheet	-	74AUP1G34 v.4			
Modifications:	Legal pages upo	Legal pages updated.					
74AUP1G34 v.4	20100714	Product data sheet	-	74AUP1G34 v.3			
74AUP1G34 v.3	20080814	Product data sheet	-	74AUP1G34 v.2			
74AUP1G34 v.2	20060704	Product data sheet	-	74AUP1G34 v.1			
74AUP1G34 v.1	20050804	Product data sheet	-	-			

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.

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- The term 'short data sheet' is explained in section "Definitions". [2] [3]
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