Low-power configurable gate with voltage-level translator Rev. 7 — 26 January 2022 Product data sheet

1. General description

The 74AUP1T57 is a configurable multiple function gate with level translating, Schmitt-trigger inputs. The device can be configured as any of the following logic functions AND, OR, NAND, NOR, XNOR, inverter and buffer; using the 3-bit input. All inputs can be connected directly to V_{CC} or GND. Low threshold Schmitt trigger inputs allow these devices to be driven by 1.8 V logic levels in 3.3 V applications.

This device ensures very low static and dynamic power consumption across the entire V_{CC} range from 2.3 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 2.3 V to 3.6 V
- High noise immunity
- Low static power consumption; I_{CC} = 1.5 μA (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 Class II Level B
- Overvoltage tolerant inputs to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial power-down mode operation
- ESD protection:
 - HBM JESD22-A114F Class 3A exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101E exceeds 1000 V
- 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	Package								
	Temperature range	+125 °C TSSOP6 plastic thin shrink small outline package; 6 leads; SC body width 1.25 mm								
74AUP1T57GW	-40 °C to +125 °C	TSSOP6		SOT363-2						
74AUP1T57GM	-40 °C to +125 °C	XSON6		SOT886						
74AUP1T57GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm	SOT1115						
74AUP1T57GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm	SOT1202						

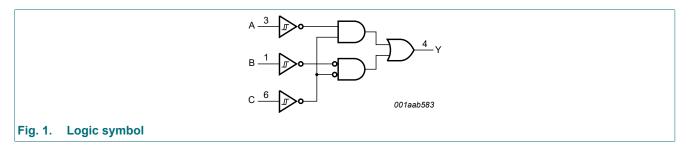
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4. Marking

Table 2. Marking Type number	Marking code [1]
74AUP1T57GW	a7
74AUP1T57GM	a7
74AUP1T57GN	а7
74AUP1T57GS	а7

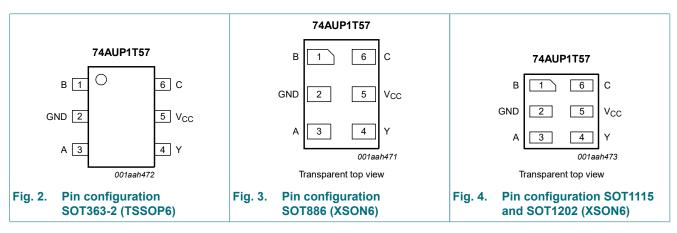
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information

6.1. Pinning



6.2. Pin description

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

7. Functional description

Table 4. Function table

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

Input			Output
C	В	Α	Y
L	L	L	Н
L	L	Н	L
L	Н	L	Н
L	Н	Н	L
Н	L	L	L
Н	L	Н	L
Н	Н	L	Н
Н	Н	Н	Н

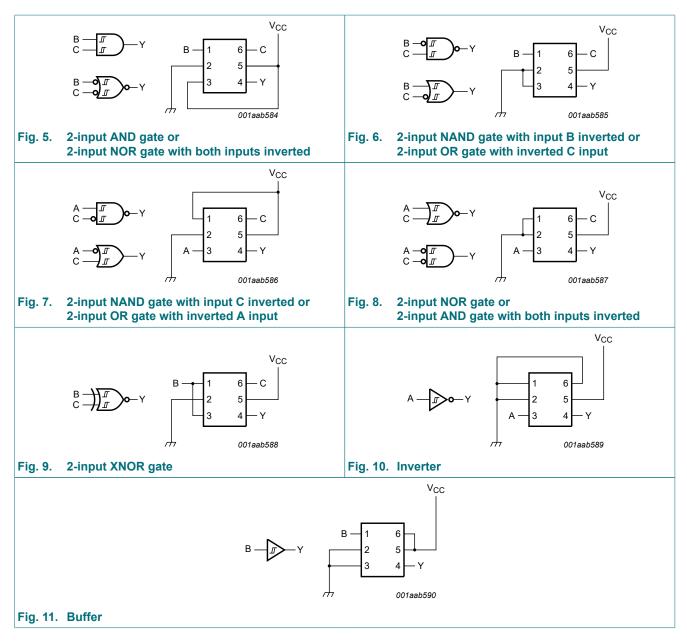
7.1. Logic configurations

Table 5. Function selection table

Logic function	Figure
2-input AND	see <u>Fig. 5</u>
2-input AND with both inputs inverted	see <u>Fig. 8</u>
2-input NAND with inverted input	see <u>Fig. 6</u> and <u>Fig. 7</u>
2-input OR with inverted input	see <u>Fig. 6</u> and <u>Fig. 7</u>
2-input NOR	see <u>Fig. 8</u>
2-input NOR with both inputs inverted	see <u>Fig. 5</u>
2-input XNOR	see <u>Fig. 9</u>
Inverter	see <u>Fig. 10</u>
Buffer	see Fig. 11

74AUP1T57

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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).

Parameter	Conditions		Min	Max	Unit
supply voltage			-0.5	+4.6	V
input clamping current	V ₁ < 0 V		-50	-	mA
input voltage		[1]	-0.5	+4.6	V
output clamping current	V _O < 0 V		-50	-	mA
output voltage	Active mode and Power-down mode	[1]	-0.5	+4.6	V
output current	$V_{O} = 0 V$ to V_{CC}		-	±20	mA
supply current			-	50	mA
ground current			-50	-	mA
storage temperature			-65	+150	°C
total power dissipation	T _{amb} = -40 °C to +125 °C	[2]	-	250	mW
	supply voltage input clamping current input voltage output clamping current output voltage output current supply current ground current storage temperature	supply voltageinput clamping current $V_I < 0 V$ input voltage $V_O < 0 V$ output clamping current $V_O < 0 V$ output voltageActive mode and Power-down modeoutput current $V_O = 0 V$ to V_{CC} supply currentground currentstorage temperature $V_O = 0 V$	supply voltage $V_I < 0 V$ input clamping current $V_I < 0 V$ input voltage[1]output clamping current $V_O < 0 V$ output voltageActive mode and Power-down modeoutput current $V_O = 0 V$ to V_{CC} supply currentground currentstorage temperature[1]	supply voltage-0.5input clamping current $V_I < 0 V$ -50input voltage[1]-0.5output clamping current $V_O < 0 V$ -50output voltageActive mode and Power-down mode[1]-0.5output current $V_O = 0 V$ to V_{CC} -supply currentground current50storage temperature-65	supply voltage -0.5 +4.6 input clamping current $V_I < 0 V$ -50 - input voltage [1] -0.5 +4.6 output voltage [1] -0.5 +4.6 output clamping current $V_O < 0 V$ -50 - output voltage Active mode and Power-down mode [1] -0.5 +4.6 output voltage Active mode and Power-down mode [1] -0.5 +4.6 output current $V_O = 0 V$ to V_{CC} - ±20 supply current $V_O = 0 V$ to V_{CC} - 50 - ground current - 50 - storage temperature - -65 +150

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

[2] For SOT363-2 (TSSOP6) 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 °C.

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

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

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

10. Static characteristics

Table 8. Static characteristics

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

Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
T _{amb} = 2	5 °C	1		1	1	
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 µA; V_{CC} = 2.3 V to 3.6 V	V _{CC} - 0.1	-	-	V
		I _O = -2.3 mA; V _{CC} = 2.3 V	2.05	-	-	V
VT+ P VT- n VH h VOH H VOH L VOL L II ir IOFF p ΔIOFF a ICC S		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 voltage	$V_{I} = V_{T+}$ or V_{T-}				
		I_{O} = 20 µA; V_{CC} = 2.3 V to 3.6 V	-	-	0.10	V
V _{OL} I		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	μA
I _{OFF}	power-off leakage current	V_1 or $V_0 = 0$ V to 3.6 V; $V_{CC} = 0$ V	-	-	±0.1	μA
ΔI _{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.2	μA
I _{CC}	supply current	$V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 2.3 \text{ V to } 3.6 \text{ V}$	-	-	1.2	μA
Δl _{CC}	additional supply current	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}; I_{O} = 0 \text{ A}$ [1]	-	-	-	μA
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}; \text{ I}_{O} = 0 \text{ A}$ [2]	-	-	-	μA
CI	input capacitance	V_{CC} = 0 V to 3.6 V; V _I = GND or V _{CC}	-	0.8	-	pF
Co	output capacitance	$V_0 = GND; V_{CC} = 0 V$	-	1.7	-	pF

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
T _{amb} = -4	40 °C to +85 °C				I	
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
V _{OH}	HIGH-level output voltage	$V_I = V_{T+}$ or V_{T-}				
		I_{O} = -20 µA; V_{CC} = 2.3 V to 3.6 V	V _{CC} - 0.1	-	-	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 voltage	$V_{I} = V_{T+}$ or V_{T-}				
		I_{O} = 20 µA; V_{CC} = 2.3 V to 3.6 V	-	-	0.1	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
l _l	input leakage current	V_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.5	μA
I _{OFF}	power-off leakage current	$V_{I} \text{ or } V_{O} = 0 \text{ V to } 3.6 \text{ V}; V_{CC} = 0 \text{ V}$	-	-	±0.5	μA
ΔI _{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.5	μA
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	μA
Δl _{CC}	additional supply current	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}; I_{O} = 0 \text{ A}$ [1]	-	-	4	μA
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V; } I_{O} = 0 \text{ A}$ [2]	-	-	12	μA

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Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
T _{amb} = -4	40 °C to +125 °C	1			I	
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	-	0.64	V
	voltage $V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		0.46	-	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
V _{OH}	HIGH-level output voltage	$V_{I} = V_{T+}$ or V_{T-}				
		I_{O} = -20 µA; V_{CC} = 2.3 V to 3.6 V	V _{CC} - 0.11	-	-	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 voltage	$V_{I} = V_{T+}$ or V_{T-}				
		I_{O} = 20 µA; V_{CC} = 2.3 V to 3.6 V	-	-	0.11	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
V _{OL}		I _O = 4.0 mA; V _{CC} = 3.0 V	-	-	0.50	V
l	input leakage current	V_{I} = GND to 3.6 V; V_{CC} = 0 V to 3.6 V	-	-	±0.75	μA
I _{OFF}	power-off leakage current	$V_{I} \text{ or } V_{O} = 0 \text{ V to } 3.6 \text{ V}; V_{CC} = 0 \text{ V}$	-	-	±0.75	μA
∆I _{OFF}	additional power-off leakage current	$V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$	-	-	±0.75	μA
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	μA
∆l _{CC}	additional supply current	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}; I_{O} = 0 \text{ A}$ [1]	-	-	7	μA
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V; } I_{O} = 0 \text{ A}$ [2]	-	-	22	μA

[1] [2]

One input at 0.3 V or 1.1 V, other input at V_{CC} or GND. One input at 0.45 V or 1.2 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 Fig. 13.

Symbol	Parameter	Conditions	25 °C		25 °C -40 °C to -40 °C to +85 °C +125 °C					Unit
				Typ[1]	Max	Min	Max	Min	Max	
V _{CC} = 2.3	3 V to 2.7 V; V _I = 1	.65 V to 1.95 V								
	propagation	A, B, C to Y; see Fig. 12 [2]								
	delay	C _L = 5 pF	2.1	3.6	5.5	0.5	6.8	0.5	7.5	ns
		C _L = 10 pF	2.6	4.1	6.2	1.0	7.9	1.0	8.7	ns
		C _L = 15 pF	2.9	4.6	6.8	1.0	8.7	1.0	9.6	ns
		C _L = 30 pF	3.8	5.8	8.2	1.5	10.8	1.5	11.9	ns

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Symbol	Parameter	Conditions		25 °C			°C to 5 °C		°C to 5 °C	Unit
			Min	Typ[1]	Мах	Min	Max	Min	Max	-
V _{CC} = 2.	3 V to 2.7 V; V _I	= 2.3 V to 2.7 V							1	
t _{pd}	propagation	A, B, C to Y; see Fig. 12	[2]							
	delay	C _L = 5 pF	1.7	3.4	5.4	0.5	6.0	0.5	6.6	ns
		C _L = 10 pF	2.1	4.0	6.2	1.0	7.1	1.0	7.9	ns
		C _L = 15 pF	2.5	4.5	6.7	1.0	7.9	1.0	8.7	ns
		C _L = 30 pF	3.3	5.6	8.2	1.5	10.0	1.5	11.0	ns
V _{CC} = 2.	3 V to 2.7 V; V _I	= 3.0 V to 3.6 V								
t _{pd}	propagation	A, B, C to Y; see Fig. 12	[2]							
	delay	C _L = 5 pF	1.4	3.2	4.9	0.5	5.5	0.5	6.1	ns
		C _L = 10 pF	1.8	3.7	5.7	1.0	6.5	1.0	7.2	ns
		C _L = 15 pF	2.2	4.2	6.3	1.0	7.4	1.0	8.2	ns
		C _L = 30 pF	3.0	5.4	7.8	1.5	9.5	1.5	10.5	ns
V _{CC} = 3.	0 V to 3.6 V; V _I :	= 1.65 V to 1.95 V								
t _{pd}	propagation delay	A, B, C to Y; see Fig. 12	[2]							
		C _L = 5 pF	2.0	2.9	3.9	0.5	8.0	0.5	8.8	ns
		C _L = 10 pF	2.5	3.5	4.6	1.0	8.5	1.0	9.4	ns
		C _L = 15 pF	2.8	3.9	5.2	1.0	9.1	1.0	10.1	ns
		C _L = 30 pF	3.6	5.1	6.6	1.5	9.8	1.5	10.8	ns
V _{CC} = 3.	0 V to 3.6 V; V _I	= 2.3 V to 2.7 V								
t _{pd}	propagation	A, B, C to Y; see <u>Fig. 12</u>	[2]							
	delay	C _L = 5 pF	1.6	2.8	4.2	0.5	5.3	0.5	5.9	ns
		C _L = 10 pF	2.0	3.4	4.9	1.0	6.1	1.0	6.8	ns
		C _L = 15 pF	2.3	3.9	5.5	1.0	6.8	1.0	7.5	ns
		C _L = 30 pF	3.1	5.0	6.9	1.5	8.5	1.5	9.4	ns
V _{CC} = 3.	0 V to 3.6 V; V _I	= 3.0 V to 3.6 V								
t _{pd}	propagation	A, B, C to Y; see <u>Fig. 12</u>	[2]							
	delay	C _L = 5 pF	1.3	2.8	4.2	0.5	4.7	0.5	5.2	ns
		C _L = 10 pF	1.7	3.3	4.9	1.0	5.7	1.0	6.3	ns
		C _L = 15 pF	2.0	3.8	5.5	1.0	6.2	1.0	6.9	ns
		C _L = 30 pF	2.8	4.9	7.0	1.5	7.8	1.5	8.6	ns
T _{amb} = 2	25 °C									
C _{PD}	power	$f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$	[3]							
	dissipation capacitance	V_{CC} = 2.3 V to 2.7 V	-	3.6	-	-	-	-	-	pF
	capacitatioo	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).

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

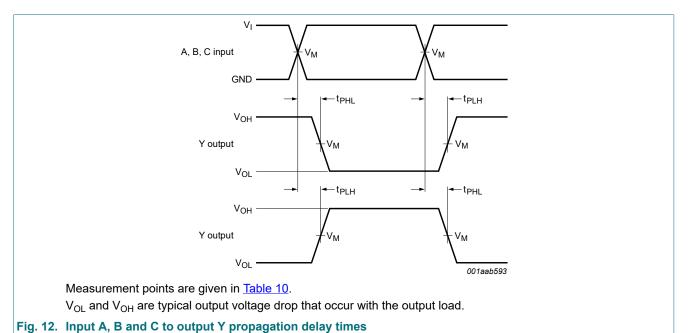
 f_i = input frequency in MHz;

f_o = output frequency in MHz;

C_L = output load capacitance in pF;

 V_{CC} = supply voltage in V; N = number of inputs switching;

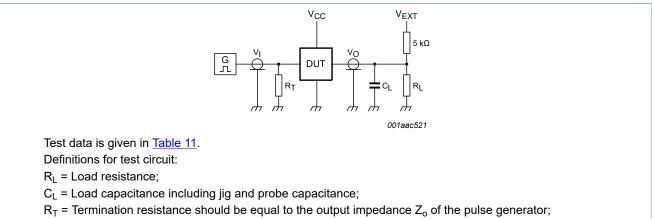
 $\Sigma(C_L \times V_{CC}^2 \times f_o)$ = sum of the outputs.



11.1. Waveforms and test circuit

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	0.5 × V _{CC}	0.5 × V _I	1.65 V to 3.6 V	≤ 3.0 ns



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

Fig. 13. Test circuit for measuring switching times

Table 11. 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}
2.3 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 $R_L = 5 k\Omega$.

For measuring propagation delays, setup and hold times and pulse width R_L = 1 M Ω .

12. Package outline

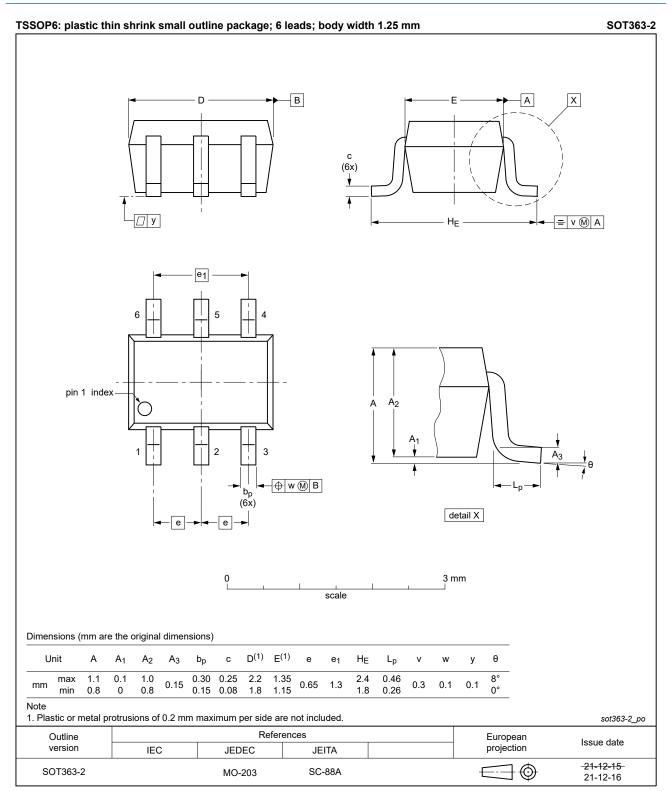


Fig. 14. Package outline SOT363-2 (TSSOP6)

Low-power configurable gate with voltage-level translator

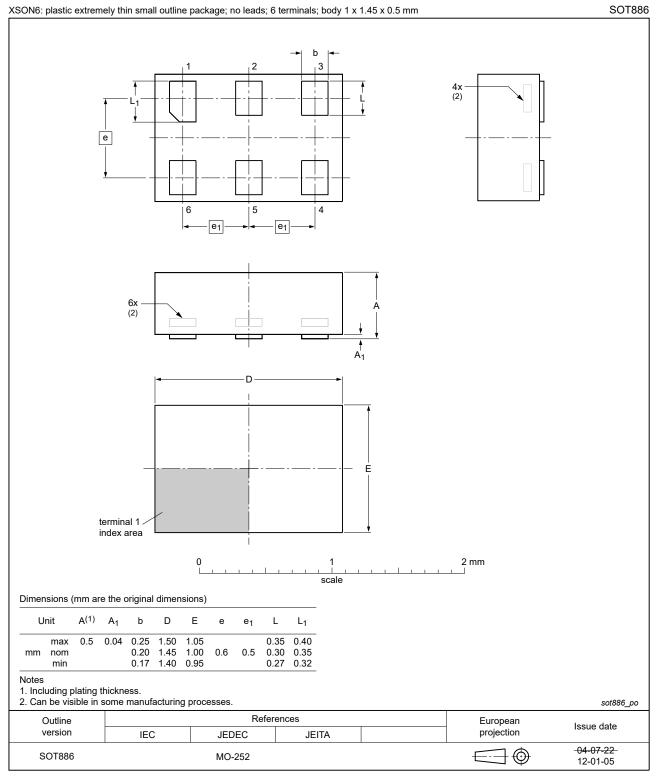


Fig. 15. Package outline SOT886 (XSON6)

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

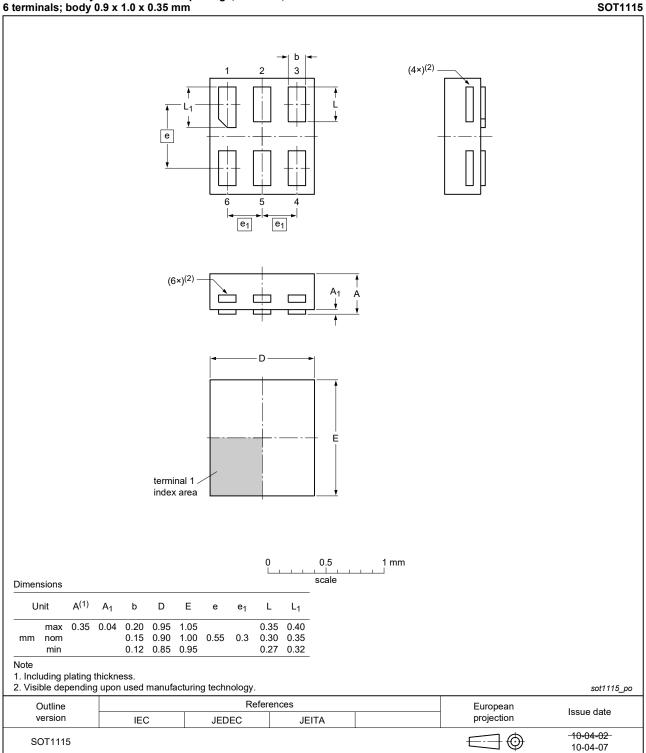
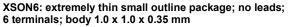


Fig. 16. Package outline SOT1115 (XSON6)

SOT1202

Low-power configurable gate with voltage-level translator



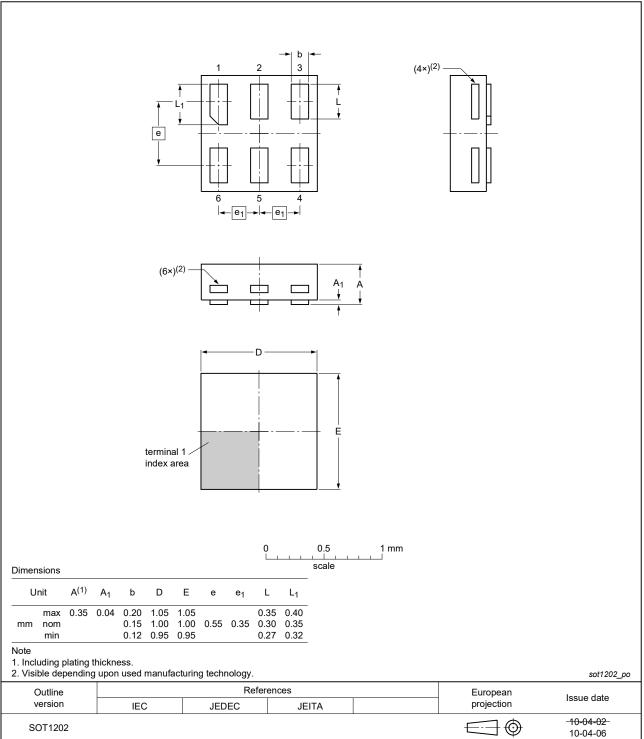


Fig. 17. Package outline SOT1202 (XSON6)

13. 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 13. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes	
74AUP1T57 v.7	20220126	Product data sheet	-	74AUP1T57 v.6	
Modifications:	Package S	OT363 (SC-88) changed t	o SOT363-2 (TSS	OP6).	
74AUP1T57 v.6	20210526	Product data sheet	-	74AUP1T57 v.5	
Modifications:	guidelines Legal texts Type numb <u>Section 1</u> a 	Legal texts have been adapted to the new company hand where appropriate.			
74AUP1T57 v.5	20120815	Product data sheet	-	74AUP1T57 v.4	
Modifications:	Package c	Package outline drawing of SOT886 (<u>Fig. 15</u>) modified.			
74AUP1T57 v.4	20111201	Product data sheet	-	74AUP1T57 v.3	
74AUP1T57 v.3	20100721	Product data sheet	-	74AUP1T57 v.2	
74AUP1T57 v.2	20090803	Product data sheet	-	74AUP1T57 v.1	
74AUP1T57 v.1	20080103	Product data sheet	-	-	

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".
- [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 <u>https://www.nexperia.com</u>.

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74AUP1T57