# 74LVC1G125

# Bus buffer/line driver; 3-state

Rev. 15 — 19 January 2022

**Product data sheet** 

### 1. General description

The 74LVC1G125 is a single buffer/line driver with 3-state output. Inputs can be driven from either 3.3 V or 5 V devices. This feature allows the use of these devices as translators in mixed 3.3 V and 5 V environments.

Schmitt-trigger action at all inputs makes the circuit tolerant of slower input rise and fall times.

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 1.65 V to 5.5 V
- Overvoltage tolerant inputs to 5.5 V
- High noise immunity
- CMOS low power consumption
- I<sub>OFF</sub> circuitry provides partial Power-down mode operation
- ±24 mA output drive (V<sub>CC</sub> = 3.0 V)
- Latch-up performance exceeds 250 mA
- · Direct interface with TTL levels
- Complies with JEDEC standards:
  - JESD8-7 (1.65 V to 1.95 V)
  - JESD8-5 (2.3 V to 2.7 V)
  - JESD8C (2.7 V to 3.6 V)
  - JESD36 (4.5 V to 5.5 V)
- ESD protection:
  - HBM JESD22-A114F exceeds 2000 V
  - MM JESD22-A115-A exceeds 200 V
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C



Bus buffer/line driver; 3-state

## 3. Ordering information

**Table 1. Ordering information** 

Type number	Package			
	Temperature range	Name	Description	Version
74LVC1G125GW	-40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1
74LVC1G125GV	-40 °C to +125 °C	SC-74A	plastic surface-mounted package; 5 leads	SOT753
74LVC1G125GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1.45 × 0.5 mm	SOT886
74LVC1G125GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm	SOT1115
74LVC1G125GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm	SOT1202
74LVC1G125GX	-40 °C to +125 °C	X2SON5	plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 × 0.8 × 0.32 mm	SOT1226-3

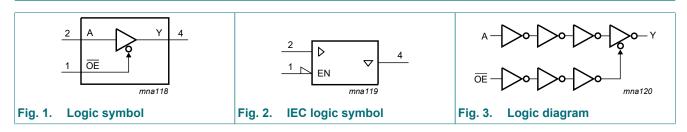
## 4. Marking

Table 2. Marking

Type number	Marking code[1]
74LVC1G125GW	VM
74LVC1G125GV	V25
74LVC1G125GM	VM
74LVC1G125GN	VM
74LVC1G125GS	VM
74LVC1G125GX	VM

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

## 5. Functional diagram

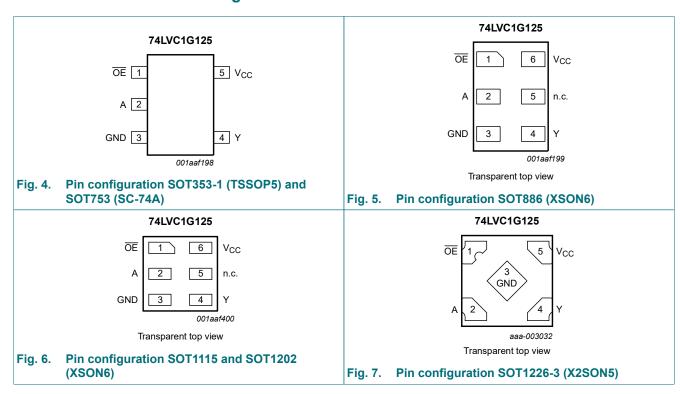


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## 6. Pinning information

### 6.1. Pinning



### 6.2. Pin description

Table 3. Pin description

Symbol	Pin	Pin			
	TSSOP5, SC-74A and X2SON5	XSON6			
OE	1	1	output enable input		
A	2	2	data input		
GND	3	3	ground (0 V)		
Y	4	4	data output		
n.c.	-	5	not connected		
V <sub>CC</sub>	5	6	supply voltage		

## 7. Functional description

#### **Table 4. Function table**

 $H = HIGH \ voltage \ level; \ L = LOW \ voltage \ level; \ X = don't \ care; \ Z = high-impedance \ OFF-state.$ 

Input OE A		Output
ŌE	A	Υ
L	L	L
L	Н	Н
Н	X	Z

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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 <sub>CC</sub>	supply voltage		-0.5	+6.5	V
I <sub>IK</sub>	input clamping current	V <sub>I</sub> < 0 V	-50	-	mA
VI	input voltage	[1]	-0.5	+6.5	V
I <sub>OK</sub>	output clamping current	$V_O > V_{CC}$ or $V_O < 0$ V	-	±50	mA
Vo	output voltage	Active mode [1]	-0.5	V <sub>CC</sub> + 0.5	V
		Power-down mode; V <sub>CC</sub> = 0 V [1]	-0.5	+6.5	V
Io	output current	$V_O = 0 \text{ V to } V_{CC}$	-	±50	mA
I <sub>CC</sub>	supply current		-	100	mA
I <sub>GND</sub>	ground current		-100	-	mΑ
P <sub>tot</sub>	total power dissipation	T <sub>amb</sub> = -40 °C to +125 °C [2]	-	250	mW
T <sub>stg</sub>	storage temperature		-65	+150	°C

<sup>[1]</sup> The input and output voltage ratings may be exceeded if the input and output current ratings are observed.

For SOT753 (SC-74A) package: P<sub>tot</sub> derates linearly with 3.8 mW/K above 85 °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 °C.

For SOT1226-3 (X2SON5) package: Ptot derates linearly with 3.0 mW/K above 67 °C.

## 9. Recommended operating conditions

Table 6. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
V <sub>CC</sub>	supply voltage		1.65	-	5.5	V
VI	input voltage		0	-	5.5	V
Vo	output voltage	Active mode	0	-	V <sub>CC</sub>	V
		Power-down mode; V <sub>CC</sub> = 0 V	0	-	5.5	V
T <sub>amb</sub>	ambient temperature		-40	-	+125	°C
Δt/ΔV	input transition rise and fall rate	V <sub>CC</sub> = 1.65 V to 2.7 V	-	-	20	ns/V
		V <sub>CC</sub> = 2.7 V to 5.5 V	-	-	10	ns/V

<sup>[2]</sup> For SOT353-1 (TSSOP5) package: Ptot derates linearly with 3.3 mW/K above 74 °C.

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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	Typ [1]	Max	Unit
T <sub>amb</sub> = -	40 °C to +85 °C			•		
V <sub>IH</sub>	HIGH-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	0.65 × V <sub>CC</sub>	-	-	V
		V <sub>CC</sub> = 2.3 V to 2.7 V	1.7	-	-	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	2.0	-	-	V
		V <sub>CC</sub> = 4.5 V to 5.5 V	0.7 × V <sub>CC</sub>	-	-	V
V <sub>IL</sub>	LOW-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	0.35 × V <sub>CC</sub>	V
		V <sub>CC</sub> = 2.3 V to 2.7 V	-	-	0.7	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	-	-	0.8	V
		V <sub>CC</sub> = 4.5 V to 5.5 V	-	-	0.3 × V <sub>CC</sub>	V
V <sub>OL</sub>	LOW-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		V <sub>CC</sub> = 1.65 V to 5.5 V; I <sub>O</sub> = 100 μA	-	-	0.1	V
		V <sub>CC</sub> = 1.65 V; I <sub>O</sub> = 4 mA	-	-	0.45	V
		V <sub>CC</sub> = 2.3 V; I <sub>O</sub> = 8 mA	-	-	0.3	V
		V <sub>CC</sub> = 2.7 V; I <sub>O</sub> = 12 mA	-	-	0.4	V
		V <sub>CC</sub> = 3.0 V; I <sub>O</sub> = 24 mA	-	-	0.55	V
		V <sub>CC</sub> = 4.5 V; I <sub>O</sub> = 32 mA	-	-	0.55	V
V <sub>OH</sub>	HIGH-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$V_{CC}$ = 1.65 V to 5.5 V; $I_{O}$ = -100 $\mu$ A	V <sub>CC</sub> - 0.1	-	-	V
		V <sub>CC</sub> = 1.65 V; I <sub>O</sub> = -4 mA	1.2	-	-	V
		V <sub>CC</sub> = 2.3 V; I <sub>O</sub> = -8 mA	1.9	-	-	V
		V <sub>CC</sub> = 2.7 V; I <sub>O</sub> = -12 mA	2.2	-	-	V
		V <sub>CC</sub> = 3.0 V; I <sub>O</sub> = -24 mA	2.3	-	-	V
		V <sub>CC</sub> = 4.5 V; I <sub>O</sub> = -32 mA	3.8	-	-	V
I <sub>I</sub>	input leakage current	V <sub>CC</sub> = 0 V to 5.5 V; V <sub>I</sub> = 5.5 V or GND	-	±0.1	±1	μΑ
l <sub>OZ</sub>	OFF-state output current	$V_{CC} = 3.6 \text{ V}; V_I = V_{IH} \text{ or } V_{IL};$ $V_O = 5.5 \text{ V or GND}$	-	±0.1	±2	μΑ
I <sub>OFF</sub>	power-off leakage current	$V_{CC} = 0 \text{ V}; V_{I} \text{ or } V_{O} = 5.5 \text{ V}$	-	±0.1	±2	μΑ
I <sub>CC</sub>	supply current	$V_{I}$ = 5.5 V or GND; $V_{CC}$ = 1.65 V to 5.5 V; $I_{O}$ = 0 A	-	0.1	4	μΑ
ΔI <sub>CC</sub>	additional supply current	per pin; $V_{CC} = 2.3 \text{ V to } 5.5 \text{ V};$ $V_{I} = V_{CC} - 0.6 \text{ V};$ $I_{O} = 0 \text{ A}$	-	5	500	μΑ
Cı	input capacitance		-	5	-	pF

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Symbol	Parameter	Conditions	Min	Typ [1]	Max	Unit
T <sub>amb</sub> = -	40 °C to +125 °C					
V <sub>IH</sub>	HIGH-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	0.65 × V <sub>CC</sub>	-	-	V
		V <sub>CC</sub> = 2.3 V to 2.7 V	1.7	-	-	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	2.0	-	-	V
		V <sub>CC</sub> = 4.5 V to 5.5 V	0.7 × V <sub>CC</sub>	-	-	V
V <sub>IL</sub>	LOW-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	0.35 × V <sub>CC</sub>	V
		V <sub>CC</sub> = 2.3 V to 2.7 V	-	-	0.7	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	-	-	0.8	V
		V <sub>CC</sub> = 4.5 V to 5.5 V	-	-	0.3 × V <sub>CC</sub>	V
V <sub>OL</sub>	LOW-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		V <sub>CC</sub> = 1.65 V to 5.5 V; I <sub>O</sub> = 100 μA	-	-	0.1	V
		V <sub>CC</sub> = 1.65 V; I <sub>O</sub> = 4 mA	-	-	0.70	V
		V <sub>CC</sub> = 2.3 V; I <sub>O</sub> = 8 mA	-	-	0.45	V
		V <sub>CC</sub> = 2.7 V; I <sub>O</sub> = 12 mA	-	-	0.60	V
		V <sub>CC</sub> = 3.0 V; I <sub>O</sub> = 24 mA	-	-	0.80	V
		V <sub>CC</sub> = 4.5 V; I <sub>O</sub> = 32 mA	-	-	0.80	V
V <sub>OH</sub>	HIGH-level output voltage	$V_{I} = V_{IH}$ or $V_{IL}$				
		$V_{CC}$ = 1.65 V to 5.5 V; $I_{O}$ = -100 $\mu$ A	V <sub>CC</sub> - 0.1	-	-	V
		V <sub>CC</sub> = 1.65 V; I <sub>O</sub> = -4 mA	0.95	-	-	V
		V <sub>CC</sub> = 2.3 V; I <sub>O</sub> = -8 mA	1.7	-	-	V
		V <sub>CC</sub> = 2.7 V; I <sub>O</sub> = -12 mA	1.9	-	-	V
		V <sub>CC</sub> = 3.0 V; I <sub>O</sub> = -24 mA	2.0	-	-	V
		$V_{CC} = 4.5 \text{ V}; I_{O} = -32 \text{ mA}$	3.4	-	-	V
l <sub>l</sub>	input leakage current	V <sub>CC</sub> = 0 V to 5.5 V; V <sub>I</sub> = 5.5 V or GND	-	-	±1	μΑ
l <sub>OZ</sub>	OFF-state output current	$V_{CC} = 3.6 \text{ V}; V_I = V_{IH} \text{ or } V_{IL};$ $V_O = 5.5 \text{ V or GND}$	-	-	±2	μΑ
I <sub>OFF</sub>	power-off leakage current	$V_{CC} = 0 \text{ V}; V_{I} \text{ or } V_{O} = 5.5 \text{ V}$	-	-	±2	μΑ
I <sub>CC</sub>	supply current	$V_I = 5.5 \text{ V or GND}; V_{CC} = 1.65 \text{ V to } 5.5 \text{ V}; I_O = 0 \text{ A}$	-	-	4	μΑ
ΔI <sub>CC</sub>	additional supply current	per pin; V <sub>CC</sub> = 2.3 V to 5.5 V; V <sub>I</sub> = V <sub>CC</sub> - 0.6 V; I <sub>O</sub> = 0 A	-	-	500	μΑ

<sup>[1]</sup> All typical values are measured at  $V_{CC}$  = 3.3 V and  $T_{amb}$  = 25 °C.

Bus buffer/line driver; 3-state

## 11. Dynamic characteristics

#### **Table 8. Dynamic characteristics**

Voltages are referenced to GND (ground = 0 V). For test circuit see Fig. 10.

Symbol	Parameter	Conditions	-40	°C to +85	°C	-40 °C to +125 °C		Unit
			Min	Typ[1]	Max	Min	Max	
t <sub>pd</sub>	propagation delay	A to Y; see Fig. 8 [2]						
		V <sub>CC</sub> = 1.65 V to 1.95 V	1.0	3.3	8.0	1.0	10.5	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	0.5	2.2	5.5	0.5	7	ns
		V <sub>CC</sub> = 2.7 V	0.5	2.5	5.5	0.5	7	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	0.5	2.1	4.5	0.5	6	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V	0.5	1.7	4.0	0.5	5.5	ns
t <sub>en</sub>	enable time	OE to Y; see Fig. 9 [3]						
		V <sub>CC</sub> = 1.65 V to 1.95 V	1.0	4.1	9.4	1.0	12	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	0.5	2.8	6.6	0.5	8.5	ns
		V <sub>CC</sub> = 2.7 V	0.5	3.3	6.6	0.5	8.5	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	0.5	2.4	5.3	0.5	7	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V	0.5	2.1	5.0	0.5	6.5	ns
t <sub>dis</sub>	disable time	OE to Y; see Fig. 9 [4]						
		V <sub>CC</sub> = 1.65 V to 1.95 V	1.0	4.3	9.2	1.0	12	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	0.5	2.7	5.0	0.5	6.5	ns
		V <sub>CC</sub> = 2.7 V	0.5	3.0	5.0	0.5	6.5	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	0.5	3.1	5.0	0.5	6.5	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V	0.5	2.2	4.2	0.5	5.5	ns
C <sub>PD</sub>	power dissipation	per buffer; $V_I = GND$ to $V_{CC}$ [5]						
	capacitance	output enabled	-	25	-	-	-	pF
		output disabled	-	6	-	-	-	pF

<sup>[1]</sup> Typical values are measured at  $T_{amb}$  = 25 °C and  $V_{CC}$  = 1.8 V, 2.5 V, 2.7 V, 3.3 V and 5.0 V respectively.

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

 $f_i$  = input frequency in MHz;

f<sub>o</sub> = output frequency in MHz;

C<sub>L</sub> = output load capacitance in pF;

V<sub>CC</sub> = supply voltage in V;

N = number of inputs switching;

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

<sup>[2]</sup>  $t_{pd}$  is the same as  $t_{PLH}$  and  $t_{PHL}$ .

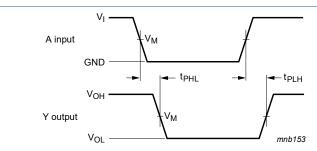
<sup>[3]</sup>  $t_{en}$  is the same as  $t_{PZH}$  and  $t_{PZL}$ .

<sup>[4]</sup>  $t_{dis}$  is the same as  $t_{PLZ}$  and  $t_{PHZ}$ .

<sup>[5]</sup>  $C_{PD}$  is used to determine the dynamic power dissipation ( $P_D$  in  $\mu$ W).

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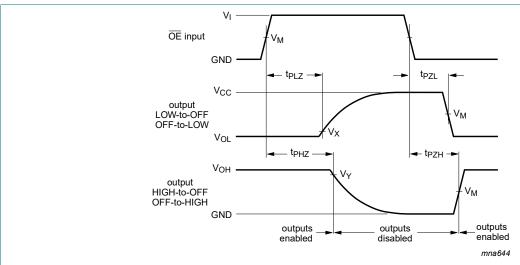
### 11.1. Waveforms and test circuit



Measurement points are given in Table 9.

V<sub>OL</sub> and V<sub>OH</sub> are typical output voltage levels that occur with the output load.

Fig. 8. Input A to output Y propagation delay times



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

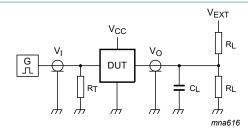
 $\ensuremath{V_{\text{OL}}}$  and  $\ensuremath{V_{\text{OH}}}$  are typical output voltage levels that occur with the output load.

Fig. 9. 3-state enable and disable times

**Table 9. Measurement points** 

Supply voltage	Input	Output	Output				
V <sub>CC</sub>	V <sub>M</sub>	V <sub>M</sub>	V <sub>X</sub>	V <sub>Y</sub>			
1.65 V to 1.95 V	0.5 × V <sub>CC</sub>	0.5 × V <sub>CC</sub>	V <sub>OL</sub> + 0.15 V	V <sub>OH</sub> - 0.15 V			
2.3 V to 2.7 V	0.5 × V <sub>CC</sub>	0.5 × V <sub>CC</sub>	V <sub>OL</sub> + 0.15 V	V <sub>OH</sub> - 0.15 V			
2.7 V	1.5 V	1.5 V	V <sub>OL</sub> + 0.3 V	V <sub>OH</sub> - 0.3 V			
3.0 V to 3.6 V	1.5 V	1.5 V	V <sub>OL</sub> + 0.3 V	V <sub>OH</sub> - 0.3 V			
4.5 V to 5.5 V	0.5 × V <sub>CC</sub>	0.5 × V <sub>CC</sub>	V <sub>OL</sub> + 0.3 V	V <sub>OH</sub> - 0.3 V			

### Bus buffer/line driver; 3-state



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<sub>T</sub> = Termination resistance should be equal to the output impedance Z<sub>o</sub> of the pulse generator;

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

### Fig. 10. Test circuit for measuring switching times

#### Table 10. Test data

Supply voltage	Input		Load		V <sub>EXT</sub>		
V <sub>CC</sub>	Vı	t <sub>r</sub> , t <sub>f</sub>	CL	R <sub>L</sub>	t <sub>PLH</sub> , t <sub>PHL</sub>	t <sub>PZH</sub> , t <sub>PHZ</sub>	t <sub>PZL</sub> , t <sub>PLZ</sub>
1.65 V to 1.95 V	V <sub>CC</sub>	≤ 2.0 ns	30 pF	1 kΩ	open	GND	2 × V <sub>CC</sub>
2.3 V to 2.7 V	V <sub>CC</sub>	≤ 2.0 ns	30 pF	500 Ω	open	GND	2 × V <sub>CC</sub>
2.7 V	2.7 V	≤ 2.5 ns	50 pF	500 Ω	open	GND	6 V
3.0 V to 3.6 V	2.7 V	≤ 2.5 ns	50 pF	500 Ω	open	GND	6 V
4.5 V to 5.5 V	V <sub>CC</sub>	≤ 2.5 ns	50 pF	500 Ω	open	GND	2 × V <sub>CC</sub>

Bus buffer/line driver; 3-state

## 12. Package outline

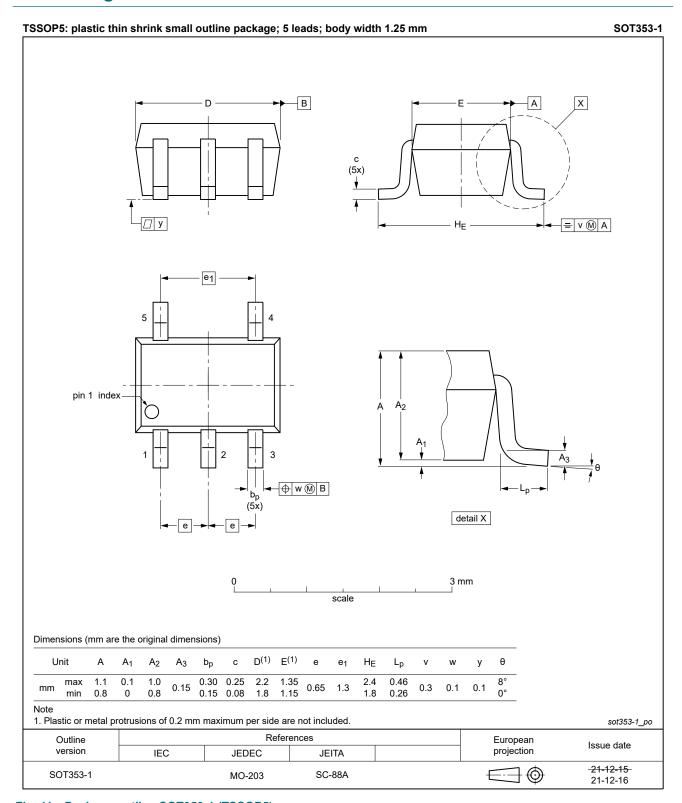


Fig. 11. Package outline SOT353-1 (TSSOP5)

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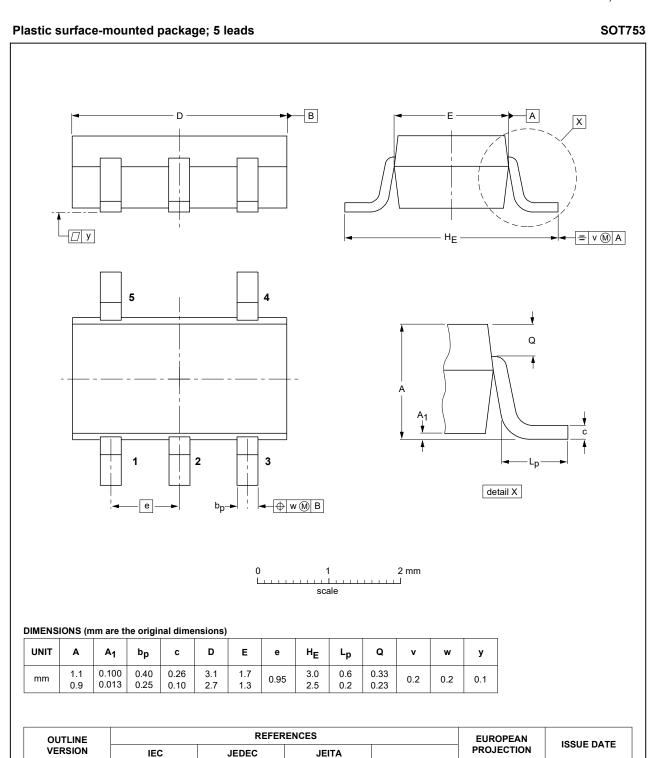


Fig. 12. Package outline SOT753 (SC-74A)

SOT753

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SC-74A

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#### Bus buffer/line driver; 3-state

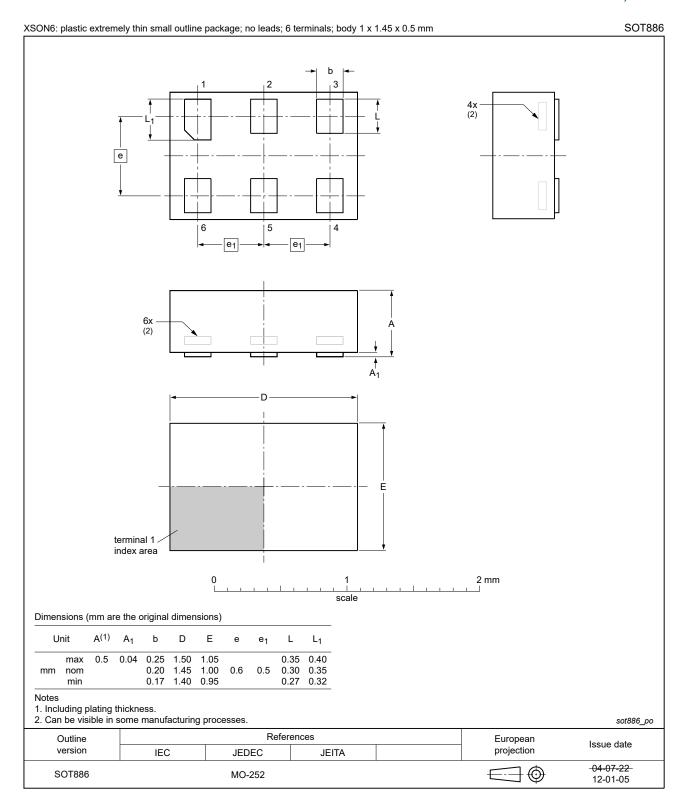


Fig. 13. Package outline SOT886 (XSON6)

Bus buffer/line driver; 3-state

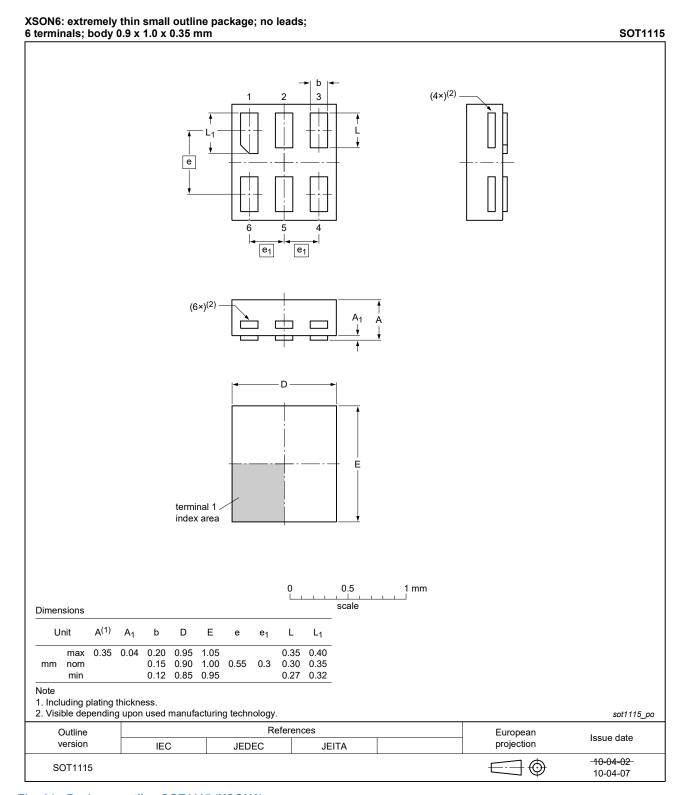


Fig. 14. Package outline SOT1115 (XSON6)

Bus buffer/line driver; 3-state

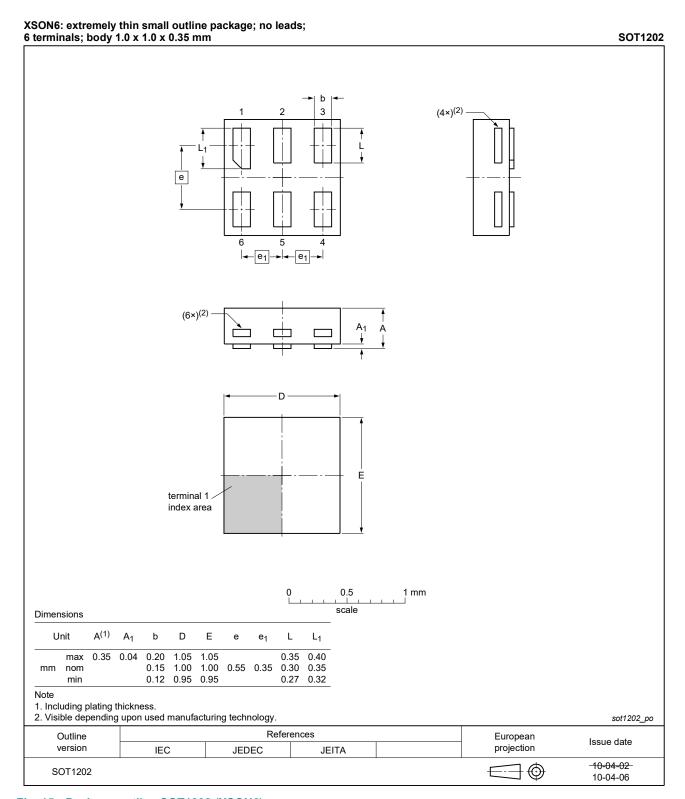


Fig. 15. Package outline SOT1202 (XSON6)

Bus buffer/line driver; 3-state

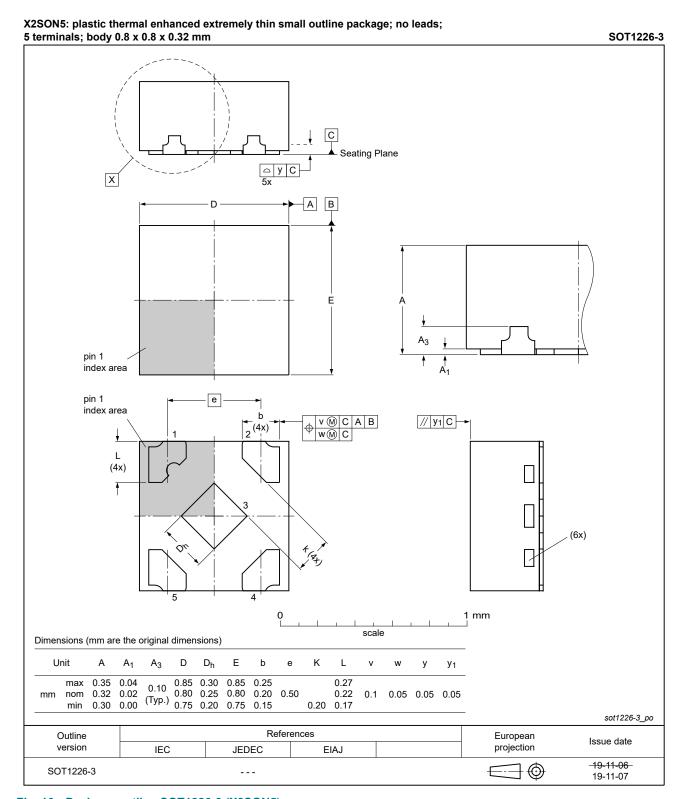


Fig. 16. Package outline SOT1226-3 (X2SON5)

Bus buffer/line driver; 3-state

### 13. Abbreviations

#### **Table 11. Abbreviations**

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

## 14. Revision history

### Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes		
74LVC1G125 v.15	20220119	Product data sheet	-	74LVC1G125 v.14		
Modifications:	• <u>Fig. 11</u> : Pac	Fig. 11: Package outline drawing SOT353-1 (TSSOP5) has changed.				
74LVC1G125 v.14	20211007	Product data sheet	-	74LVC1G125 v.13		
Modifications:	<ul><li>SOT1226 (X</li><li>Type number</li></ul>	<ul> <li>SOT1226 (X2SON5) package changed to SOT1226-3 (X2SON5) package.</li> <li>Type number 74LVC1G125GF (SOT891/XSON6) removed.</li> </ul>				
74LVC1G125 v.13	20171107	Product data sheet	-	74LVC1G125 v.12		
Modifications:	guidelines o	guidelines of Nexperia.				
74LVC1G125 v.12	20161202	Product data sheet	-	74LVC1G125 v.11		
Modifications:	• <u>Table 7</u> : The	<u>Table 7</u> : The maximum limits for leakage current and supply current have changed.				
74LVC1G125 v.11	20120702	Product data sheet	-	74LVC1G125 v.10		
Modifications:		<ul> <li>Added type number 74LVC1G125GX (SOT1226)</li> <li>Package outline drawing of SOT886 (Fig. 13) modified.</li> </ul>				
74LVC1G125 v.10	20111207	Product data sheet	-	74LVC1G125 v.9		
Modifications:	Legal pages	Legal pages updated.				
74LVC1G125 v.9	20101229	Product data sheet	-	74LVC1G125 v.8		
74LVC1G125 v.8	20100824	Product data sheet	-	74LVC1G125 v.7		
74LVC1G125 v.7	20070830	Product data sheet	-	74LVC1G125 v.6		
74LVC1G125 v.6	20060912	Product data sheet	-	74LVC1G125 v.5		
74LVC1G125 v.5	20040915	Product specification	-	74LVC1G125 v.4		
74LVC1G125 v.4	20021118	Product specification	-	74LVC1G125 v.3		
74LVC1G125 v.3	20020528	Product specification	-	74LVC1G125 v.2		
74LVC1G125 v.2	20010406	Product specification	-	74LVC1G125 v.1		
74LVC1G125 v.1	20001222	Product specification	-	-		

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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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