# 74LVC1G126

# Bus buffer/line driver; 3-state Rev. 12 — 2 July 2012

**Product data sheet** 

#### 1. **General description**

The 74LVC1G126 provides one non-inverting buffer/line driver with 3-state output. The 3-state output is controlled by the output enable input (OE). A LOW-level at pin OE causes the output to assume a high-impedance OFF-state.

The input can be driven from either 3.3 V or 5 V devices. This feature allows the use of this device in a mixed 3.3 V and 5 V environment.

This device is fully specified for partial power-down applications using I<sub>OFF</sub>. The I<sub>OFF</sub> 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 1.65 V to 5.5 V
- High noise immunity
- Complies with JEDEC standard:
  - ◆ JESD8-7 (1.65 V to 1.95 V)
  - ◆ JESD8-5 (2.3 V to 2.7 V)
  - ◆ JESD8B/JESD36 (2.7 V to 3.6 V)
- $\pm$  24 mA output drive (V<sub>CC</sub> = 3.0 V)
- ESD protection:
  - ◆ HBM JESD22-A114F exceeds 2000 V
  - ♦ MM JESD22-A115-A exceeds 200 V
- CMOS low power consumption
- Inputs accept voltages up to 5 V
- Latch-up performance exceeds 250 mA
- Direct interface with TTL levels
- 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					
74LVC1G126GW	–40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1					
74LVC1G126GV	–40 °C to +125 °C	SC-74A	plastic surface-mounted package; 5 leads	SOT753					
74LVC1G126GM	–40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body $1 \times 1.45 \times 0.5$ mm	SOT886					
74LVC1G126GF	–40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body $1 \times 1 \times 0.5$ mm	SOT891					
74LVC1G126GN	–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					
74LVC1G126GS	–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					
74LVC1G126GX	–40 °C to +125 °C	X2SON5	X2SON5: plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body $0.8 \times 0.8 \times 0.35$ mm	SOT1226					

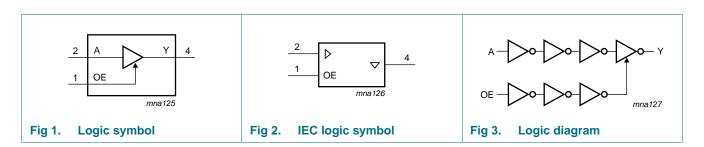
### 4. Marking

Table 2. Marking codes

Type number	Marking <sup>[1]</sup>
74LVC1G126GW	VN
74LVC1G126GV	V26
74LVC1G126GM	VN
74LVC1G126GF	VN
74LVC1G126GN	VN
74LVC1G126GS	VN
74LVC1G126GX	VN

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

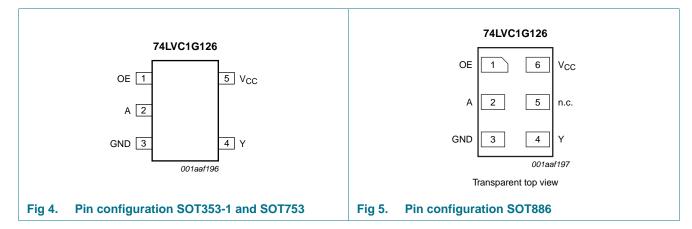
### 5. Functional diagram



74LVC1G126

### 6. Pinning information

### 6.1 Pinning





### 6.2 Pin description

Table 3. Pin description

Symbol	Pin		Description
	TSSOP5 and X2SON5	XSON6	
OE	1	1	output enable input
Α	2	2	data input
GND	3	3	ground (0 V)
Υ	4	4	data output
n.c.	-	5	not connected
$V_{CC}$	5	6	supply voltage

### 7. Functional description

Table 4. Function table[1]

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

<sup>[1]</sup> 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	+6.5	V
I <sub>IK</sub>	input clamping current	V <sub>I</sub> < 0 V	-50	-	mA
VI	input voltage		[ <u>1</u> ] -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	[ <u>1][2]</u> –0.5	$V_{CC} + 0.5$	V
		Power-down mode	[ <u>1][2]</u> –0.5	+6.5	V
I <sub>O</sub>	output current	$V_O = 0 V to V_{CC}$	-	±50	mA
I <sub>CC</sub>	supply current		-	100	mA
I <sub>GND</sub>	ground current		-100	-	mA
P <sub>tot</sub>	total power dissipation	$T_{amb} = -40  ^{\circ}\text{C} \text{ to } +125  ^{\circ}\text{C}$	[3] _	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.

X = don't care;

Z = high-impedance OFF-state.

<sup>[2]</sup> When  $V_{CC}$  = 0 V (Power-down mode), the output voltage can be 5.5 V in normal operation.

<sup>[3]</sup> For TSSOP5 and SC-74A packages: above 87.5  $^{\circ}$ C the value of P<sub>tot</sub> derates linearly with 4.0 mW/K. For XSON6 and X2SON5 package: above 118  $^{\circ}$ C the value of P<sub>tot</sub> derates linearly with 7.8 mW/K.

## 9. Recommended operating conditions

Table 6. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
$V_{CC}$	supply voltage		1.65	-	5.5	V
VI	input voltage		0	-	5.5	V
Vo	output voltage	Active mode	0	-	$V_{CC}$	V
		V <sub>CC</sub> = 0 V; Power-down mode	0	-	5.5	V
T <sub>amb</sub>	ambient temperature		-40	-	+125	°C
$\Delta t/\Delta V$	input transition rise and fall rate	V <sub>CC</sub> = 1.65 V to 2.7 V	-	-	20	ns/V
	$V_{CC} = 2.7 \text{ V to } 5.5 \text{ V}$		-	-	10	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	Typ[1]	Max	Unit
T <sub>amb</sub> = -	40 °C to +85 °C					
$V_{IH}$	HIGH-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	$0.65 \times V_{CC}$	-	-	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	$0.7 \times V_{CC}$	-	-	V
$V_{IL}$	LOW-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	$0.35 \times V_{CC}$	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	-	-	$0.3 \times V_{CC}$	V
V <sub>OL</sub>	LOW-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$V_{CC}$ = 1.65 V to 5.5 V; $I_{O}$ = 100 $\mu A$	-	-	0.1	V
		$V_{CC} = 1.65 \text{ V}; I_{O} = 4 \text{ mA}$	-	-	0.45	V
		$V_{CC} = 2.3 \text{ V}; I_{O} = 8 \text{ mA}$	-	-	0.3	V
		$V_{CC} = 2.7 \text{ V}; I_{O} = 12 \text{ mA}$	-	-	0.4	V
		$V_{CC} = 3.0 \text{ V}; I_{O} = 24 \text{ mA}$	-	-	0.55	V
		$V_{CC} = 4.5 \text{ V}; I_{O} = 32 \text{ mA}$	-	-	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
		$V_{CC} = 1.65 \text{ V}; I_{O} = -4 \text{ mA}$	1.2	-	-	V
		$V_{CC} = 2.3 \text{ V}; I_{O} = -8 \text{ mA}$	1.9	-	-	V
		$V_{CC} = 2.7 \text{ V}; I_{O} = -12 \text{ mA}$	2.2	-	-	V
		$V_{CC} = 3.0 \text{ V}; I_{O} = -24 \text{ mA}$	2.3	-	-	V
		$V_{CC} = 4.5 \text{ V}; I_{O} = -32 \text{ mA}$	3.8	-	-	V
I <sub>I</sub>	input leakage current	$V_{CC} = 0 \text{ V to } 5.5 \text{ V}; V_I = 5.5 \text{ V or GND}$	-	±0.1	±5	μΑ
l <sub>OZ</sub>	OFF-state output current	$V_{CC}$ = 3.6 V; $V_I$ = $V_{IH}$ or $V_{IL}$ ; $V_O$ = 5.5 V or GND	-	±0.1	±10	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	±10	μΑ
I <sub>CC</sub>	supply current	$V_I = 5.5 \text{ V or GND};$ $V_{CC} = 1.65 \text{ V to 5.5 V}; I_O = 0 \text{ A}$	-	0.1	10	μΑ
$\Delta I_{CC}$	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
$C_{I}$	input capacitance		-	5	-	pF

 Table 7.
 Static characteristics ...continued

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 +125 °C					
V <sub>IH</sub>	HIGH-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	$0.65 \times V_{CC}$	-	-	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	$0.7 \times V_{CC}$	-	-	V
V <sub>IL</sub>	LOW-level input voltage	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	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	-	-	$0.3 \times V_{CC}$	V
V <sub>OL</sub>	LOW-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$V_{CC}$ = 1.65 V to 5.5 V; $I_{O}$ = 100 $\mu A$	-	-	0.1	V
		V <sub>CC</sub> = 1.65 V; I <sub>O</sub> = 4 mA	-	-	0.70	V
		$V_{CC} = 2.3 \text{ V; } I_{O} = 8 \text{ mA}$	-	-	0.45	V
		$V_{CC} = 2.7 \text{ V}; I_{O} = 12 \text{ mA}$	-	-	0.60	V
		$V_{CC} = 3.0 \text{ V}; I_{O} = 24 \text{ mA}$	-	-	0.80	V
		$V_{CC} = 4.5 \text{ V}; I_{O} = 32 \text{ mA}$	-	-	0.80	V
V <sub>OH</sub>	HIGH-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$V_{CC} = 1.65 \text{ V to } 5.5 \text{ V; } I_{O} = -100  \mu\text{A}$	V <sub>CC</sub> - 0.1	-	-	V
		$V_{CC} = 1.65 \text{ V}; I_{O} = -4 \text{ mA}$	0.95	-	-	V
		$V_{CC} = 2.3 \text{ V; } I_{O} = -8 \text{ mA}$	1.7	-	-	V
		$V_{CC} = 2.7 \text{ V}; I_{O} = -12 \text{ mA}$	1.9	-	-	V
		$V_{CC} = 3.0 \text{ V}; I_{O} = -24 \text{ mA}$	2.0	-	-	V
		$V_{CC} = 4.5 \text{ V}; I_{O} = -32 \text{ mA}$	3.4	-	-	V
l <sub>l</sub>	input leakage current	$V_{CC} = 0 \text{ V to } 5.5 \text{ V}; V_{I} = 5.5 \text{ V or GND}$	-	-	±100	μΑ
l <sub>oz</sub>	OFF-state output current	$V_{CC} = 3.6 \text{ V}; V_I = V_{IH} \text{ or } V_{IL};$ $V_O = 5.5 \text{ V or GND}$	-	-	±200	μΑ
l <sub>OFF</sub>	power-off leakage current	$V_{CC} = 0 \text{ V}$ ; $V_I \text{ or } V_O = 5.5 \text{ V}$	-	-	±200	μΑ
Icc	supply current	$V_I = 5.5 \text{ V or GND};$ $V_{CC} = 1.65 \text{ V to } 5.5 \text{ V; } I_O = 0 \text{ A}$	-	-	200	μΑ
Δl <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	-	-	5000	μΑ

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

### 11. Dynamic characteristics

Table 8. Dynamic characteristics

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

Symbol	Parameter	Conditions		-40	0 °C to +85	5 °C	–40 °C to	+125 °C	Unit
				Min	Typ[1]	Max	Min	Max	
t <sub>pd</sub>	propagation delay	A to Y; see Figure 8	[2]						
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.0	3	8.0	1.0	10.5	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.5	2.1	5.5	0.5	7	ns
		$V_{CC} = 2.7 \text{ V}$		0.5	2.3	5.5	0.5	7	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		0.5	2.0	4.5	0.5	6	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		0.5	1.7	4.0	0.5	5.5	ns
t <sub>en</sub>	enable time	OE to Y; see Figure 9	[3]						
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.0	3.2	9.4	1.0	12	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.5	2.2	6.6	0.5	8.5	ns
		$V_{CC} = 2.7 \text{ V}$		0.5	2.4	6.6	0.5	8.5	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		0.5	2.1	5.3	0.5	7	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		0.5	1.6	5.0	0.5	6.5	ns
t <sub>dis</sub>	disable time	OE to Y; see Figure 9	[4]						
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.0	4.3	9.2	1.0	12	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.5	2.7	5.5	0.5	7	ns
		$V_{CC} = 2.7 \text{ V}$		0.5	3.4	5.5	0.5	7	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		0.5	3.0	5.5	0.5	7	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		0.5	2.2	4.2	0.5	5.5	ns
$C_{PD}$	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;

 $V_{CC}$  = supply voltage in V;

N = number of inputs switching;

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

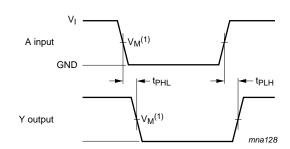
<sup>[2]</sup>  $t_{pd}$  is the same as  $t_{PLH}$  and  $t_{PHL}$ 

<sup>[3]</sup> t<sub>en</sub> is the same as t<sub>PZH</sub> and t<sub>PZL</sub>

<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  $\mu W$ ).

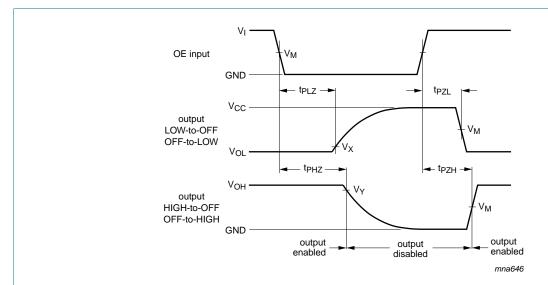
### 12. Waveforms



Measurement points are given in Table 9.

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

Fig 8. Input A to output Y propagation delay times



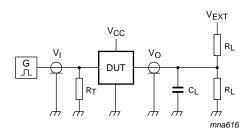
Measurement points are given in Table 9.

 $\ensuremath{V_{OL}}$  and  $\ensuremath{V_{OH}}$  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	0.5V <sub>CC</sub>	$0.5V_{CC}$	V <sub>OL</sub> + 0.15 V	$V_{OH}-0.15\ V$			
2.3 V to 2.7 V	0.5V <sub>CC</sub>	$0.5V_{CC}$	$V_{OL} + 0.15 V$	$V_{OH}-0.15\ V$			
2.7 V	1.5 V	1.5 V	$V_{OL}$ + 0.3 $V$	$V_{OH}-0.3\ V$			
3.0 V to 3.6 V	1.5 V	1.5 V	$V_{OL} + 0.3 V$	$V_{OH} - 0.3 V$			
4.5 V to 5.5 V	0.5V <sub>CC</sub>	0.5V <sub>CC</sub>	$V_{OL} + 0.3 V$	$V_{OH} - 0.3 V$			



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.

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

Fig 10. Test circuit for measuring switching times

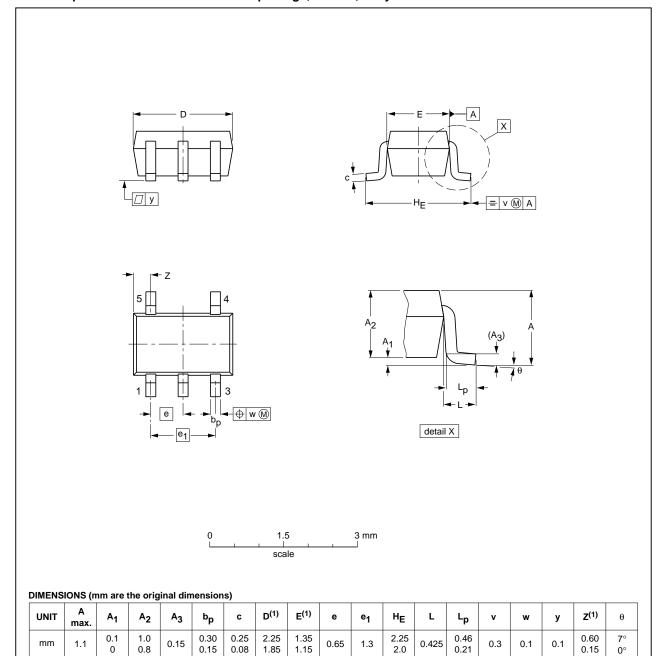
Table 10. Test data

Supply voltage	Input	Input		Load		V <sub>EXT</sub>		
V <sub>CC</sub>	VI	t <sub>r</sub> , t <sub>f</sub>	CL	$R_L$	t <sub>PLH</sub> , t <sub>PHL</sub>	t <sub>PZH</sub> , t <sub>PHZ</sub>	$t_{PZL}, t_{PLZ}$	
1.65 V to 1.95 V	$V_{CC}$	$\leq$ 2.0 ns	30 pF	1 k $\Omega$	open	GND	$2V_{CC}$	
2.3 V to 2.7 V	$V_{CC}$	$\leq$ 2.0 ns	30 pF	$500~\Omega$	open	GND	$2V_{CC}$	
2.7 V	2.7 V	≤ 2.5 ns	50 pF	$500 \Omega$	open	GND	6 V	
3.0 V to 3.6 V	2.7 V	≤ 2.5 ns	50 pF	$500 \Omega$	open	GND	6 V	
4.5 V to 5.5 V	$V_{CC}$	≤ 2.5 ns	50 pF	$500 \Omega$	open	GND	2V <sub>CC</sub>	

### 13. Package outline

TSSOP5: plastic thin shrink small outline package; 5 leads; body width 1.25 mm

SOT353-1



#### 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		<del>-00-09-01-</del> 03-02-19	

Fig 11. Package outline SOT353-1 (TSSOP5)

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#### Plastic surface-mounted package; 5 leads

**SOT753** 

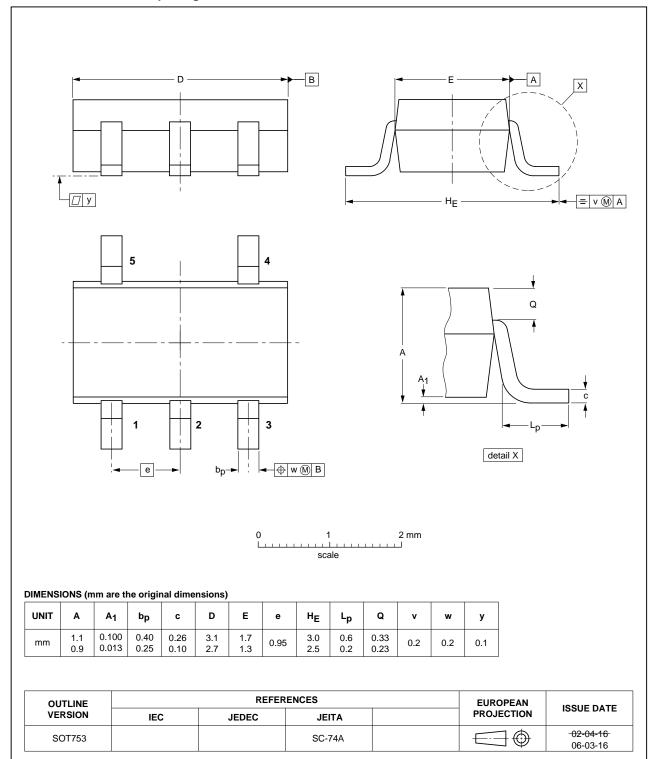


Fig 12. Package outline SOT753 (SC-74A)

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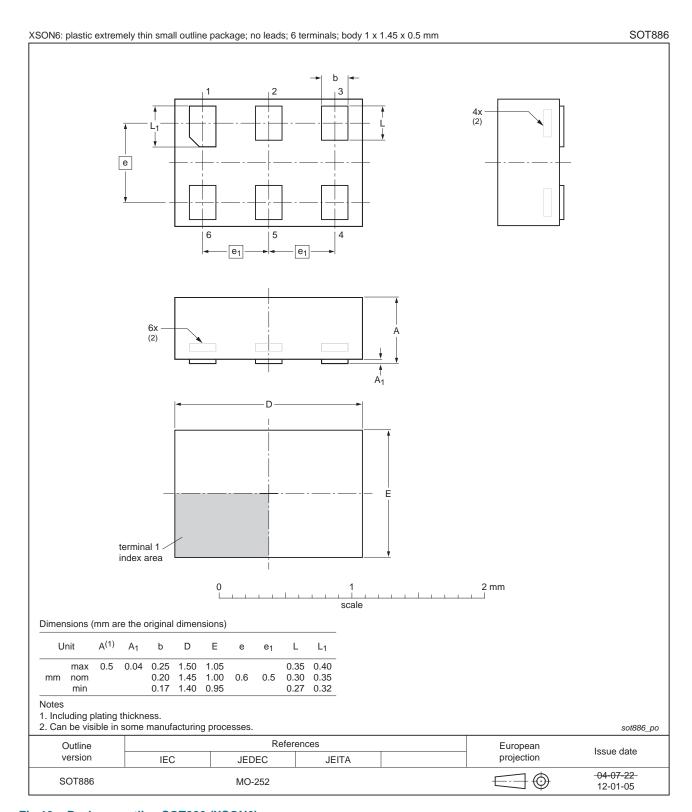


Fig 13. Package outline SOT886 (XSON6)

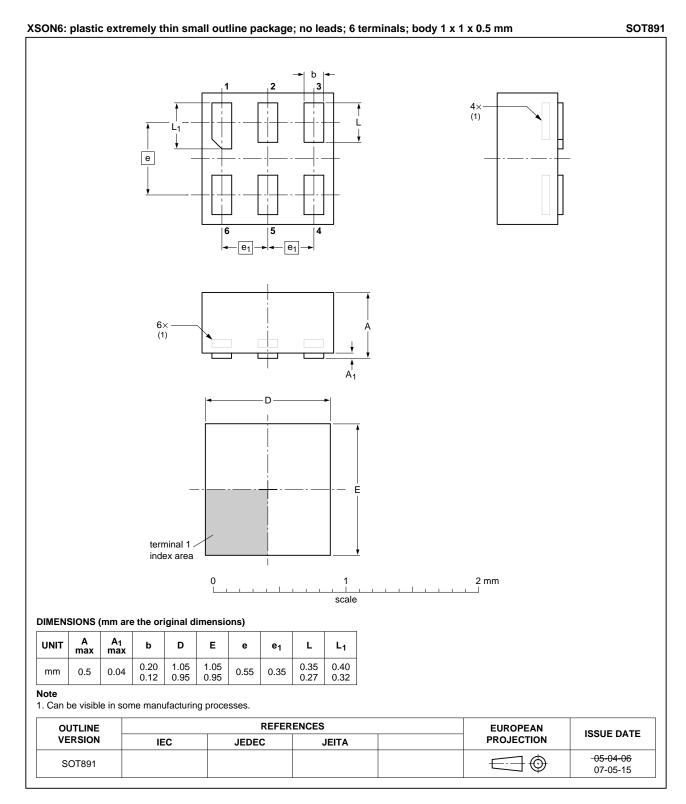


Fig 14. Package outline SOT891 (XSON6)

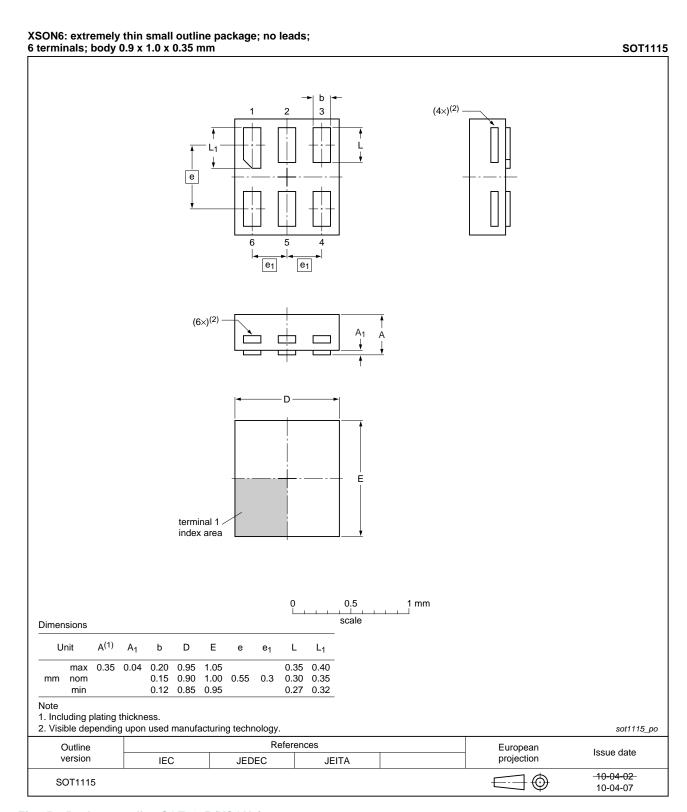


Fig 15. Package outline SOT1115 (XSON6)

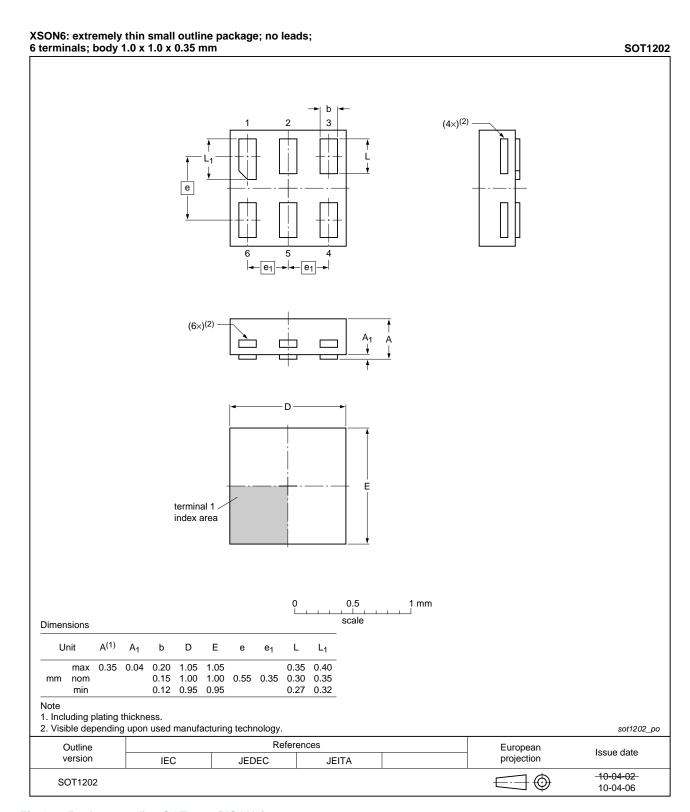


Fig 16. Package outline SOT1202 (XSON6)

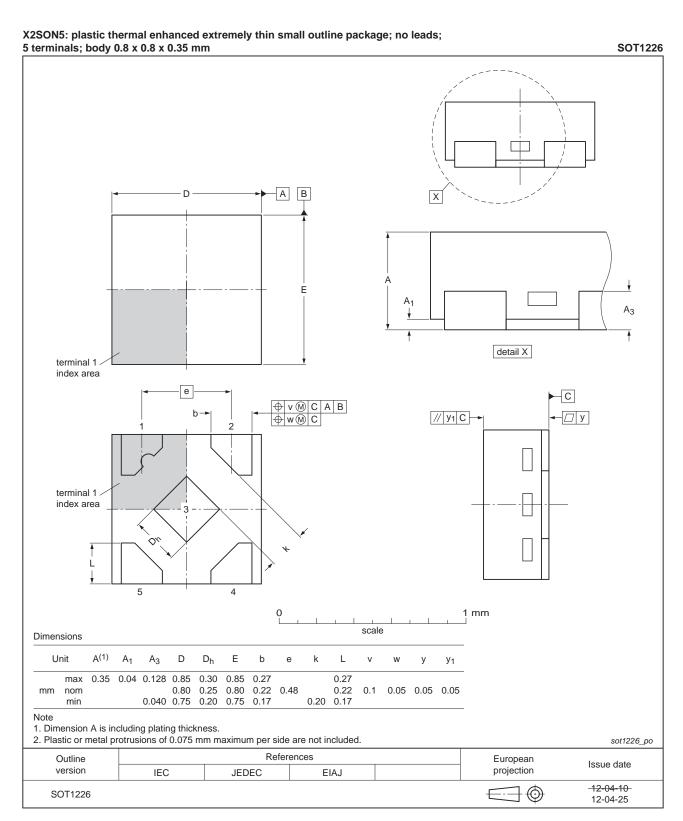


Fig 17. Package outline SOT1226 (X2SON5)

### 14. 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

### 15. Revision history

#### Table 12. Revision history

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Document ID	Release date	Data sheet status	Change notice	Supersedes
74LVC1G126 v.12	20120702	Product data sheet	-	74LVC1G126 v.11
Modifications:	<ul> <li>Added type</li> </ul>	number 74LVC1G126GX (SC	DT1226)	
	<ul> <li>Package ou</li> </ul>	ıtline drawing of SOT886 ( <u>Fig</u>	ure 13) modified.	
74LVC1G126 v.11	20111208	Product data sheet	-	74LVC1G126 v.10
Modifications:	<ul> <li>Legal page:</li> </ul>	s updated.		
74LVC1G126 v.10	20101229	Product data sheet	-	74LVC1G126 v.9
74LVC1G126 v.9	20100825	Product data sheet	-	74LVC1G126 v.8
74LVC1G126 v.8	20090409	Product data sheet	-	74LVC1G126 v.7
74LVC1G126 v.7	20070830	Product data sheet	-	74LVC1G126 v.6
74LVC1G126 v.6	20061009	Product data sheet	-	74LVC1G126 v.5
74LVC1G126 v.5	20040921	Product specification	-	74LVC1G126 v.4
74LVC1G126 v.4	20021002	Product specification	-	74LVC1G126 v.3
74LVC1G126 v.3	20020528	Product specification	-	74LVC1G126 v.2
74LVC1G126 v.2	20010406	Preliminary specification	-	74LVC1G126 v.1
74LVC1G126 v.1	20001222	Preliminary specification	-	-

### 16. Legal information

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Document status[1][2]	Product status[3]	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
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### 74LVC1G126

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

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