**Product data sheet** 

## 1. General description

The 74LVC1G126 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 dissipation
- 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 standard:
  - 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: ANSI/ESDA/JEDEC JS-001 class 2 exceeds 2000 V
  - CDM: ANSI/ESDA/JEDEC JS-002 class C3 exceeds 1000 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			
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 × 1.45 × 0.5 mm	SOT886			
74LVC1G126GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm	SOT1115			
74LVC1G126GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm	SOT1202			
74LVC1G126GX	-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			
74LVC1G126GZ	-40 °C to +125 °C	XSON5	plastic thermal enhanced extremely thin small outline package with side-wettable flanks (SWF); no leads; 5 terminals; body 1.1 × 0.85 × 0.5 mm	SOT8065-1			

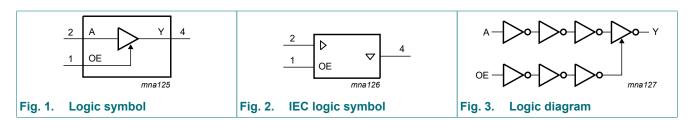
# 4. Marking

Table 2. Marking codes

tubic 2. Multiling codes					
Type number	Marking[1]				
74LVC1G126GW	VN				
74LVC1G126GV	V26				
74LVC1G126GM	VN				
74LVC1G126GN	VN				
74LVC1G126GS	VN				
74LVC1G126GX	VN				
74LVC1G126GZ	VN				

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

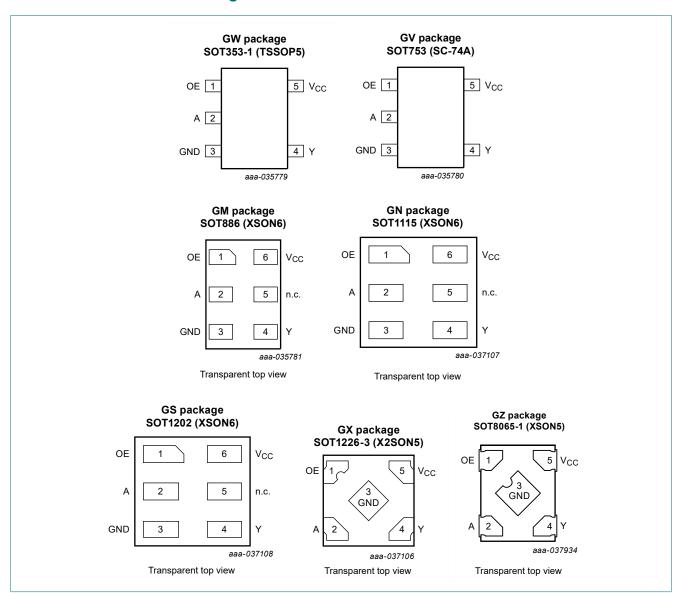
# 5. Functional diagram



Bus buffer/line driver; 3-state

# 6. Pinning information

## 6.1. Pinning



## 6.2. Pin description

Table 3. Pin description

Symbol	Pin	Pin		
	TSSOP5, SC-74A, XSON5 and X2SON5	XSON6		
OE	1	1	output enable input	
A	2	2	data input	
GND	3	3	ground (0 V)	
Υ	4	4	data output	
n.c.	-	5	not connected	
V <sub>CC</sub>	5	6	supply voltage	

74LVC1G126

Bus buffer/line driver; 3-state

## 7. Functional description

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

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

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

## 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	$V_O = 0 V \text{ to } V_{CC}$	-	±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	$T_{amb} = -40  ^{\circ}\text{C} \text{ to } +125  ^{\circ}\text{C}$ [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.

# 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
V <sub>O</sub>	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: P<sub>tot</sub> derates linearly with 3.3 mW/K above 74 °C.

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

For SOT886 (XSON6) package: Ptot 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.

For SOT8065-1 (XSON5) package: P<sub>tot</sub> derates linearly with 3.2 mW/K above 72 °C.

Bus buffer/line driver; 3-state

# 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 $V_{IL}$				
		$V_{CC}$ = 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	-	-	0.45	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
I <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
l <sub>OFF</sub>	power-off leakage current	V <sub>CC</sub> = 0 V; V <sub>I</sub> or V <sub>O</sub> = 5.5 V	-	±0.1	±2	μΑ
I <sub>CC</sub>	supply current	V <sub>I</sub> = 5.5 V or GND; V <sub>CC</sub> = 1.65 V to 5.5 V; I <sub>O</sub> = 0 A	-	0.1	4	μΑ
ΔI <sub>CC</sub>	additional supply current	per pin; $V_{CC} = 2.3 \text{ V to } 5.5 \text{ V};$ $V_1 = V_{CC} - 0.6 \text{ V};$ $I_O = 0 \text{ A}$	-	5	500	μΑ
Cı	input capacitance		-	5	-	pF

Symbol	Parameter	Conditions	Min	Typ [1]	Max	Unit
T <sub>amb</sub> = -4	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
$V_{OL}$	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 <sub>CC</sub> = 4.5 V; I <sub>O</sub> = -32 mA	3.4	-	-	V
Iı	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	μA
I <sub>OFF</sub>	power-off leakage current	V <sub>CC</sub> = 0 V; V <sub>I</sub> or V <sub>O</sub> = 5.5 V	-	-	±2	μΑ
I <sub>CC</sub>	supply current	V <sub>I</sub> = 5.5 V or GND; V <sub>CC</sub> = 1.65 V to 5.5 V; I <sub>O</sub> = 0 A	-	-	4	μΑ
ΔI <sub>CC</sub>	additional supply current	per pin; $V_{CC}$ = 2.3 V to 5.5 V; $V_1$ = $V_{CC}$ - 0.6 V; $I_O$ = 0 A	-	-	500	μA

<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. 6.

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. 4 [2]						
		V <sub>CC</sub> = 1.65 V to 1.95 V	1.0	3	8.0	1.0	10.5	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	0.5	2.1	5.5	0.5	7	ns
		V <sub>CC</sub> = 2.7 V	0.5	2.3	5.5	0.5	7	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	0.5	2.0	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. 5 [3]						
		V <sub>CC</sub> = 1.65 V to 1.95 V	1.0	3.2	9.4	1.0	12	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	0.5	2.2	6.6	0.5	8.5	ns
		V <sub>CC</sub> = 2.7 V	0.5	2.4	6.6	0.5	8.5	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	0.5	2.1	5.3	0.5	7	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V	0.5	1.6	5.0	0.5	6.5	ns
t <sub>dis</sub>	disable time	OE to Y; see Fig. 5 [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	5.5	0.5	7	ns
		V <sub>CC</sub> = 2.7 V	0.5	3.4	5.5	0.5	7	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	0.5	3.0	5.5	0.5	7	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;

 $f_o$  = 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  $t_{PHL}$ .

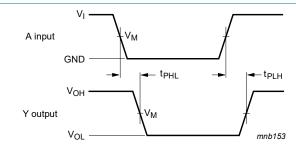
<sup>[3]</sup>  $t_{en}$  is the same as  $t_{PZH}$  and  $t_{PZL}$ .

<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).

Bus buffer/line driver; 3-state

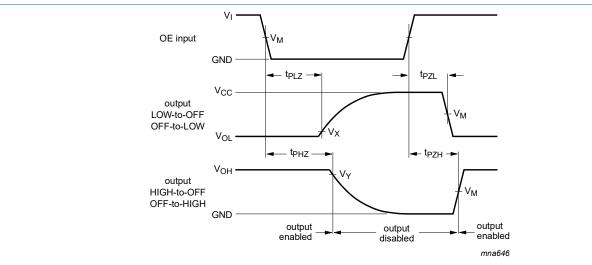
### 11.1. Waveforms and test circuit



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. 4. Input A to output Y propagation delay times



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

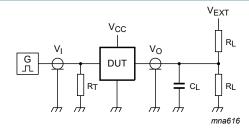
 $\ensuremath{V_{\text{OL}}}$  and  $\ensuremath{V_{\text{OH}}}$  are typical output voltage levels that occur with the output load.

Fig. 5. 3-state enable and disable times

**Table 9. Measurement points** 

Supply voltage	Input	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 <sub>CC</sub>	V <sub>OL</sub> + 0.15 V	V <sub>OH</sub> - 0.15 V		
2.3 V to 2.7 V	0.5V <sub>CC</sub>	0.5V <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	0.5V <sub>CC</sub>	0.5V <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. 6. Test circuit for measuring switching times

#### Table 10. Test data

Supply voltage	Input		Load	Load V <sub>EXT</sub>			
V <sub>CC</sub>	VI	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	2V <sub>CC</sub>
2.3 V to 2.7 V	V <sub>CC</sub>	≤ 2.0 ns	30 pF	500 Ω	open	GND	2V <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	2V <sub>CC</sub>

Bus buffer/line driver; 3-state

# 12. Package outline

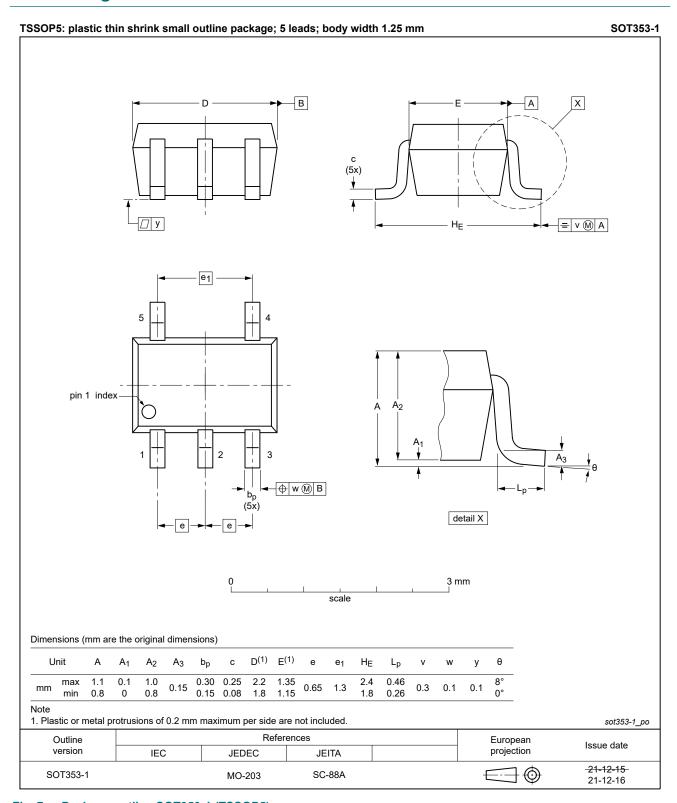


Fig. 7. Package outline SOT353-1 (TSSOP5)

Bus buffer/line driver; 3-state

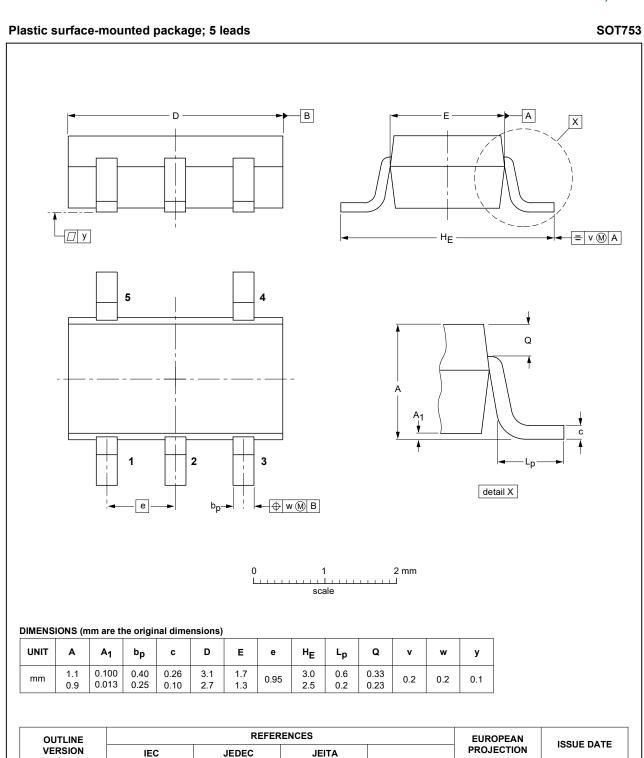


Fig. 8. Package outline SOT753 (SC-74A)

SOT753

SC-74A

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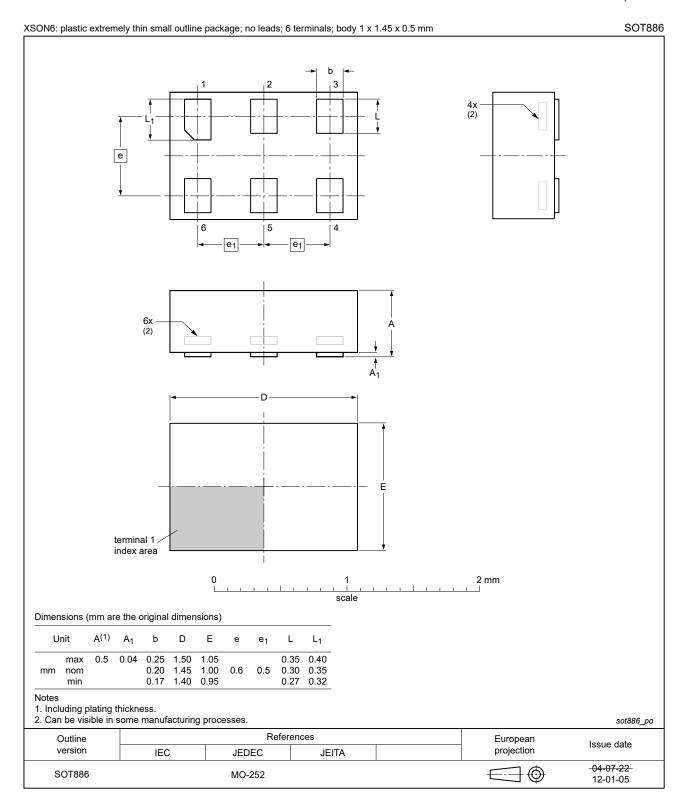


Fig. 9. Package outline SOT886 (XSON6)

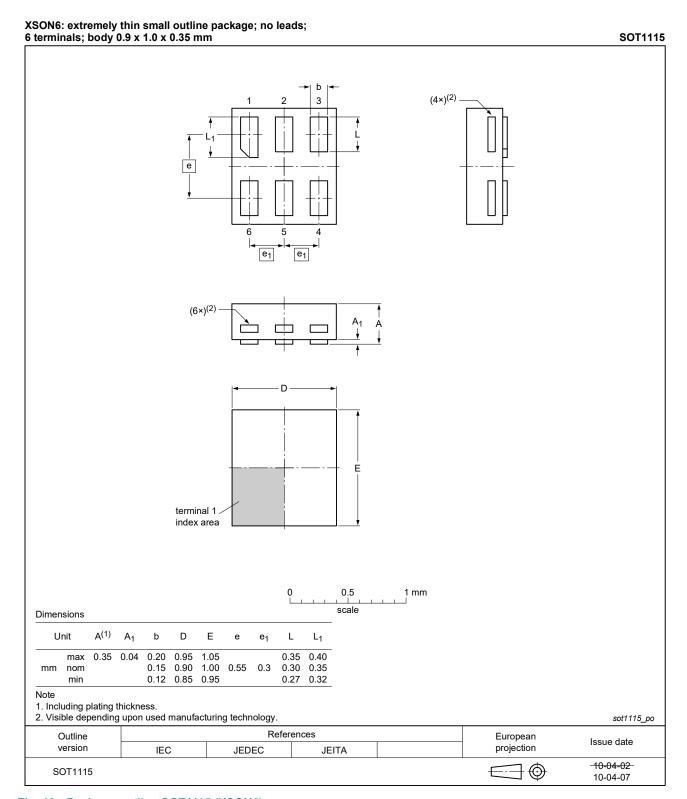


Fig. 10. Package outline SOT1115 (XSON6)

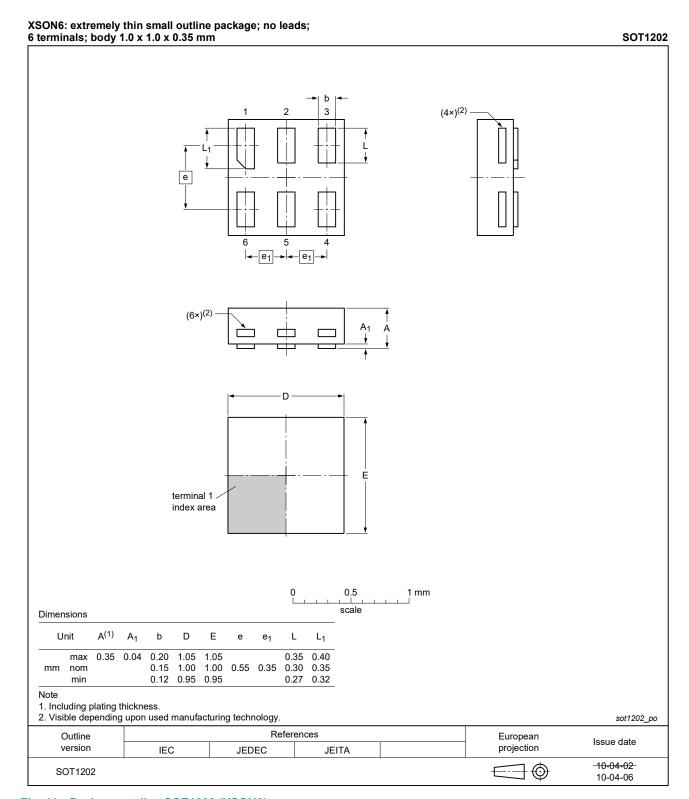


Fig. 11. Package outline SOT1202 (XSON6)

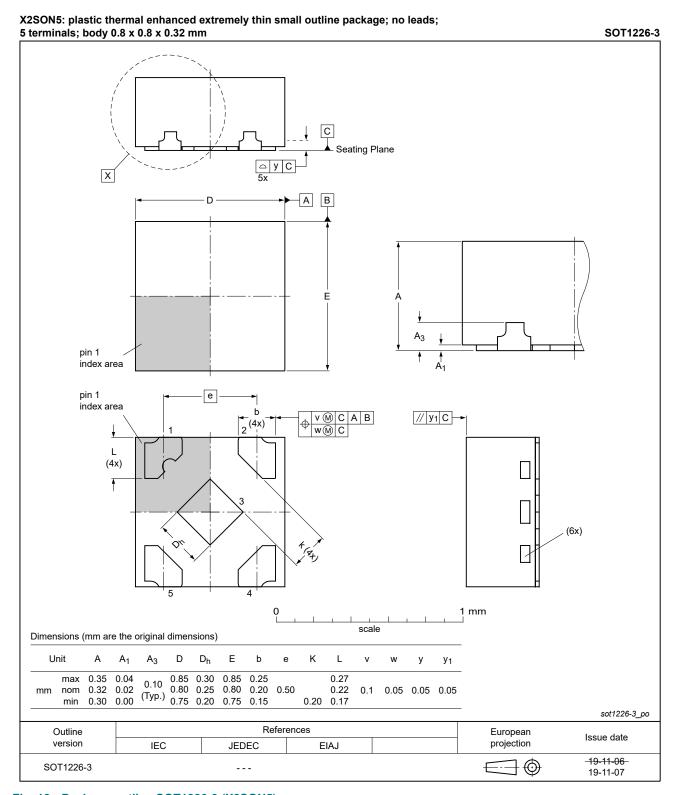


Fig. 12. Package outline SOT1226-3 (X2SON5)

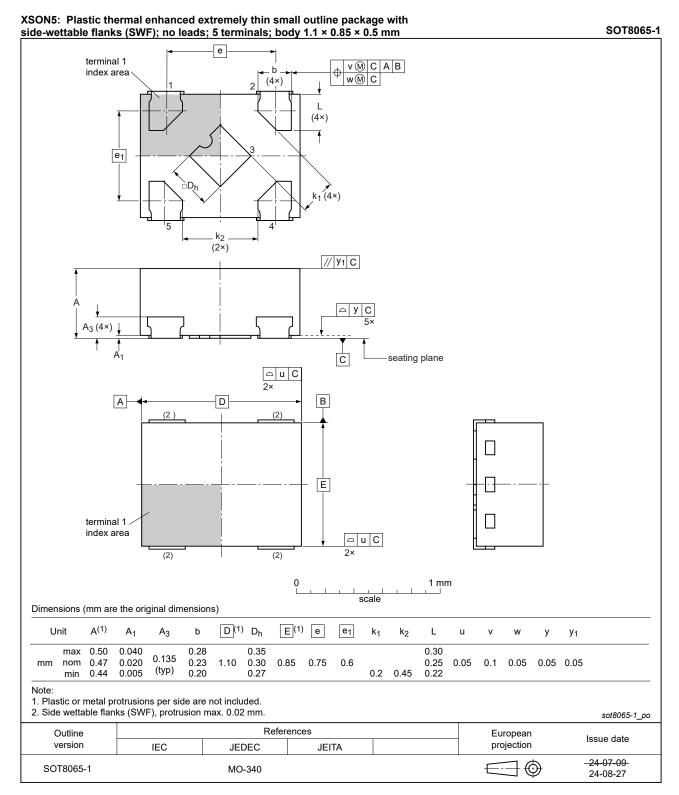


Fig. 13. Package outline SOT8065-1 (XSON5)

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## 13. Abbreviations

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

Acronym	Description			
ANSI	American National Standards Institute			
CDM	Charged Device Model			
CMOS	Complementary Metal Oxide Semiconductor			
DUT	Device Under Test			
ESD	ElectroStatic Discharge			
ESDA	ElectroStatic Discharge Association			
НВМ	Human Body Model			
JEDEC	Joint Electron Device Engineering Council			
TTL	ransistor-Transistor Logic			

# 14. Revision history

### **Table 12. Revision history**

Document ID	Release date	Data sheet status	Change notice	Supersedes		
74LVC1G126 v.18.1	20240903	Product data sheet	-	74LVC1G126 v.18		
Modifications:	• <u>Fig. 13</u> : Ad	ded JEDEC reference MO	O-340 to SOT8065-	1 package outline drawing.		
74LVC1G126 v.18	20240712	Product data sheet	-	74LVC1G126 v.17		
Modifications:	Type numb	Type number 74LVC1G126GZ (SOT8065-1/XSON5) added.				
74LVC1G126 v.17	20230814	Product data sheet	-	74LVC1G126 v.16		
Modifications:	Section 2:	ESD specification update	d according to the la	atest JEDEC standard.		
74LVC1G126 v.16	20220118	Product data sheet	-	74LVC1G126 v.15		
Modifications:	• <u>Fig. 7</u> : Pac	Fig. 7: Package outline drawing SOT353-1 (TSSOP5) has changed.				
74LVC1G126 v.15	20210503	Product data sheet	-	74LVC1G126 v.14		
	• <u>Table 5</u> : De	per 74LVC1G126GF (SOT erating values for P <sub>tot</sub> tota	,	updated.		
74LVC1G126 v.14	20190315	Product data sheet	-	74LVC1G126 v.13		
Modifications:	guidelines	<ul> <li>The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia.</li> <li>Legal texts have been adapted to the new company name where appropriate.</li> </ul>				
74LVC1G126 v.13	20161202	Product data sheet	-	74LVC1G126 v.12		
Modifications:	• <u>Table 7</u> : Th	<u>Table 7</u> : The maximum limits for leakage current and supply current have changed.				
74LVC1G126 v.12	20120702	Product data sheet	-	74LVC1G126 v.11		
Modifications:	,	<ul> <li>Added type number 74LVC1G126GX (SOT1226)</li> <li>Package outline drawing of SOT886 (Fig. 9) modified.</li> </ul>				
74LVC1G126 v.11	20111208	Product data sheet	-	74LVC1G126 v.10		
Modifications:	Legal page	Legal pages 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		

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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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## Bus buffer/line driver; 3-state

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