# 74LVC2G125

# Dual bus buffer/line driver; 3-state

Rev. 15 — 15 December 2016

**Product data sheet** 

## 1. General description

The 74LVC2G125 provides a dual non-inverting buffer/line driver with 3-state output. The 3-state output is controlled by the output enable input (pin nOE). A HIGH-level at pin nOE causes the output to assume a high-impedance OFF-state. Schmitt trigger action at all inputs makes the circuit highly tolerant of slower input rise and fall times.

Inputs can be driven from either 3.3 V or 5 V devices. This feature allows the use of these devices as translators in a mixed 3.3 V and 5 V environment.

This device is fully specified for partial power-down applications using  $I_{OFF}$ . The  $I_{OFF}$  circuitry disables the output, preventing a 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
- 5 V tolerant input/output for interfacing with 5 V logic
- 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)
  - ◆ JESD8-B/JESD36 (2.7 V to 3.6 V)
- ESD protection:
  - ♦ HBM JESD22-A114F exceeds 2000 V
  - MM JESD22-A115-A exceeds 200 V
- $\pm$  24 mA output drive (V<sub>CC</sub> = 3.0 V)
- CMOS low-power consumption
- Latch-up performance exceeds 250 mA
- Direct interface with TTL levels
- Inputs accept voltages up to 5 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								
	Temperature range	Name	Description	Version					
74LVC2G125DP	–40 °C to +125 °C	TSSOP8	plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm	SOT505-2					
74LVC2G125DC	–40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1					
74LVC2G125GT	–40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 $\times$ 1.95 $\times$ 0.5 mm	SOT833-1					
74LVC2G125GF	–40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1 × 0.5 mm	SOT1089					
74LVC2G125GD	–40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body $3 \times 2 \times 0.5$ mm	SOT996-2					
74LVC2G125GM	–40 °C to +125 °C	XQFN8	plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 $\times$ 1.6 $\times$ 0.5 mm	SOT902-2					
74LVC2G125GN	–40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body $1.2 \times 1.0 \times 0.35$ mm	SOT1116					
74LVC2G125GS	–40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1.0 × 0.35 mm	SOT1203					

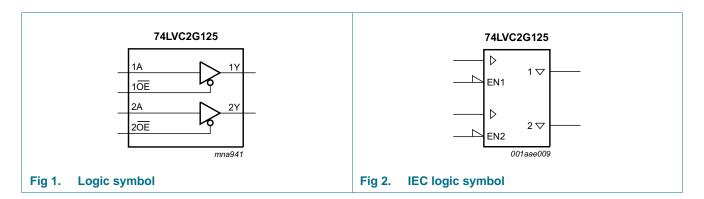
# 4. Marking

Table 2. Marking codes

Type number	Marking code <sup>[1]</sup>
74LVC2G125DP	V25
74LVC2G125DC	V25
74LVC2G125GT	V25
74LVC2G125GF	VM
74LVC2G125GD	V25
74LVC2G125GM	V25
74LVC2G125GN	VM
74LVC2G125GS	VM

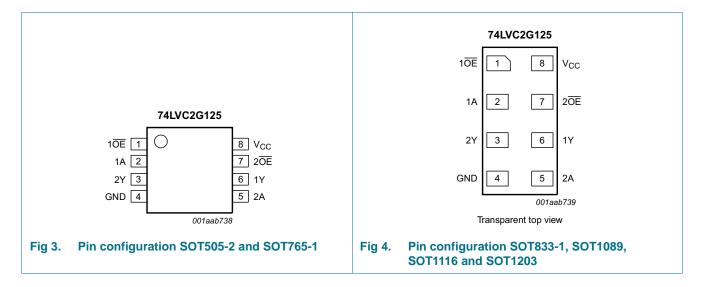
<sup>[1]</sup> The pin 1 indicator is located on the lower left corner of the device, below the marking code.

# 5. Functional diagram

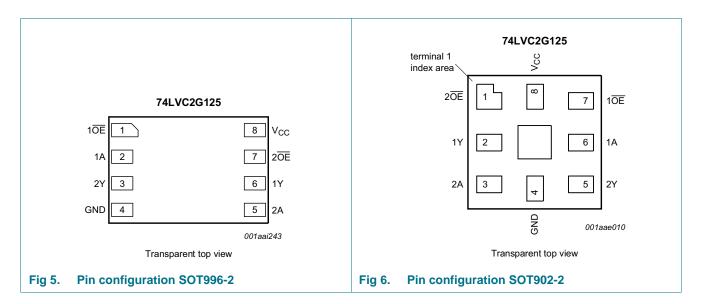


# 6. Pinning information

## 6.1 Pinning



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## 6.2 Pin description

Table 3. Pin description

Symbol	Pin	Description	
	SOT505-2, SOT765-1, SOT833-1, SOT1089, SOT996-2, SOT1116 and SOT1203	SOT902-2	
1 <del>OE</del> , 2 <del>OE</del>	1, 7	7, 1	output enable input (active LOW)
1A, 2A	2, 5	6, 3	data input
GND	4	4	ground (0 V)
1Y, 2Y	6, 3	2, 5	data output
V <sub>CC</sub>	8	8	supply voltage

# 7. Functional description

Table 4. Function table[1]

Control	Input	Output
nOE	nA	nY
L	L	L
L	Н	Н
Н	X	Z

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

## 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		<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	Enable mode	<u>[1]</u>	-0.5	V <sub>CC</sub> + 0.5	V
		Disable mode	<u>[1]</u>	-0.5	+6.5	V
		Power-down mode	[1][2]	-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
T <sub>stg</sub>	storage temperature			-65	+150	°C
P <sub>tot</sub>	total power dissipation	$T_{amb} = -40  ^{\circ}\text{C} \text{ to } +125  ^{\circ}\text{C}$	[3]	-	300	mW

<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. Operating conditions

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

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

<sup>[3]</sup> For TSSOP8 package: above 55 °C the value of P<sub>tot</sub> derates linearly with 2.5 mW/K. For VSSOP8 package: above 110 °C the value of P<sub>tot</sub> derates linearly with 8 mW/K. For XSON8, XQFN8 packages: above 118 °C the value of P<sub>tot</sub> derates linearly with 7.8 mW/K.

## 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	0.65V <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	0.7V <sub>CC</sub>	-	-	V
V <sub>IL</sub>	LOW-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	0.35V <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	-	-	0.3V <sub>CC</sub>	V
V <sub>OL</sub>	LOW-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$I_O = 100 \mu A$ ; $V_{CC} = 1.65 \text{ V}$ to 5.5 V	-	-	0.1	V
		I <sub>O</sub> = 4 mA; V <sub>CC</sub> = 1.65 V	-	-	0.45	V
		I <sub>O</sub> = 8 mA; V <sub>CC</sub> = 2.3 V	-	-	0.3	V
		I <sub>O</sub> = 12 mA; V <sub>CC</sub> = 2.7 V	-	-	0.4	V
		I <sub>O</sub> = 24 mA; V <sub>CC</sub> = 3.0 V	-	-	0.55	V
		I <sub>O</sub> = 32 mA; V <sub>CC</sub> = 4.5 V	-	-	0.55	V
V <sub>OH</sub>	HIGH-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$I_O = -100 \mu A$ ; $V_{CC} = 1.65 \text{ V to } 5.5 \text{ V}$	V <sub>CC</sub> - 0.1	-	-	V
		$I_{O} = -4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	1.2	-	-	V
		$I_{O} = -8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.9	-	-	V
		$I_{O} = -12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	2.2	-	-	V
		$I_{O} = -24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.3	-	-	V
		$I_{O} = -32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.8	-	-	V
l <sub>l</sub>	input leakage current	$V_1 = 5.5 \text{ V or GND}; V_{CC} = 0 \text{ V to } 5.5 \text{ V}$	-	±0.1	±1	μΑ
l <sub>OZ</sub>	OFF-state output current	$V_I = V_{IH}$ or $V_{IL}$ ; $V_O = 5.5$ V or GND; $V_{CC} = 3.6$ V	-	±0.1	±2	μΑ
I <sub>OFF</sub>	power-off leakage current	$V_{I}$ or $V_{O} = 5.5 \text{ V}$ ; $V_{CC} = 0 \text{ V}$	-	±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
Δl <sub>CC</sub>	additional supply current	per pin; $V_I = V_{CC} - 0.6 \text{ V}$ ; $I_O = 0 \text{ A}$ ; $V_{CC} = 2.3 \text{ V}$ to 5.5 V	-	5	500	μΑ
Cı	input capacitance		-	2	-	рF

 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			<u> </u>		1
V <sub>IH</sub>	HIGH-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	0.65V <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	0.7V <sub>CC</sub>	-	-	V
$V_{IL}$	LOW-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	0.35V <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	-	-	0.3V <sub>CC</sub>	V
V <sub>OL</sub>	LOW-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$I_{O}$ = 100 $\mu$ A; $V_{CC}$ = 1.65 V to 5.5 V	-	-	0.1	V
		$I_{O} = 4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.70	V
		$I_{O} = 8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.45	V
		I <sub>O</sub> = 12 mA; V <sub>CC</sub> = 2.7 V	-	-	0.60	V
		I <sub>O</sub> = 24 mA; V <sub>CC</sub> = 3.0 V	-	-	0.80	V
		I <sub>O</sub> = 32 mA; V <sub>CC</sub> = 4.5 V	-	-	0.80	V
V <sub>OH</sub>	HIGH-level output voltage	$V_I = V_{IH}$ or $V_{IL}$				
		$I_{O} = -100 \mu A$ ; $V_{CC} = 1.65 V$ to 5.5 V	V <sub>CC</sub> - 0.1	-	-	V
		$I_{O} = -4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	0.95	-	-	V
		$I_{O} = -8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.7	-	-	V
		$I_{O} = -12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	1.9	-	-	V
		$I_{O} = -24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.0	-	-	V
		$I_{O} = -32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.4	-	-	V
I <sub>I</sub>	input leakage current	$V_1 = 5.5 \text{ V or GND}; V_{CC} = 0 \text{ V to } 5.5 \text{ V}$	-	-	±1	μΑ
I <sub>OZ</sub>	OFF-state output current	$V_I = V_{IH}$ or $V_{IL}$ ; $V_O = 5.5$ V or GND; $V_{CC} = 3.6$ V	-	-	±2	μΑ
I <sub>OFF</sub>	power-off leakage current	$V_{I}$ or $V_{O} = 5.5 \text{ V}$ ; $V_{CC} = 0 \text{ V}$	-	-	±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
Δl <sub>CC</sub>	additional supply current	per pin; $V_I = V_{CC} - 0.6 \text{ V}$ ; $I_O = 0 \text{ A}$ ; $V_{CC} = 2.3 \text{ V}$ to 5.5 V	-	-	500	μΑ

<sup>[1]</sup> 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 9.

Symbol	Parameter	Conditions		-40	°C to +85	°C	-40 °C t	Unit	
				Min	Typ[1]	Max	Min	Max	
t <sub>pd</sub>	propagation delay	nA to nY; see Figure 7	[2]						
		V <sub>CC</sub> = 1.65 V to 1.95 V		1.0	3.7	9.1	1.0	11.4	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		0.5	2.5	4.8	0.5	6.0	ns
		V <sub>CC</sub> = 2.7 V		1.0	2.7	4.8	1.0	6.0	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		0.5	2.3	4.3	0.5	5.5	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		0.5	1.9	3.7	0.5	4.6	ns
t <sub>en</sub>	enable time	nOE to nY; see Figure 8	[3]						
		V <sub>CC</sub> = 1.65 V to 1.95 V		1.5	4.3	9.9	1.5	12.4	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		1.0	2.8	5.6	1.0	7.0	ns
		V <sub>CC</sub> = 2.7 V		1.5	3.3	5.7	1.5	7.1	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		0.5	2.4	4.7	0.5	5.9	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		0.5	2.0	3.8	0.5	4.8	ns
t <sub>dis</sub>	disable time	nOE to nY; see Figure 8	<u>[4]</u>						
		V <sub>CC</sub> = 1.65 V to 1.95 V		1.0	3.5	11.6	1.0	14.1	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		0.5	1.8	5.8	0.5	7.6	ns
		V <sub>CC</sub> = 2.7 V		1.0	2.7	4.8	1.0	6.2	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		1.0	2.7	4.6	1.0	5.9	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		0.5	1.8	3.4	0.5	4.6	ns
$C_{PD}$	power dissipation	per buffer; $V_I = GND$ to $V_{CC}$	<u>[5]</u>						
	capacitance	output enabled		-	18	-	-	-	pF
		output disabled		-	5	-	-	-	pF

- [1] Typical values are measured at nominal  $V_{CC}$  and at  $T_{amb}$  = 25 °C.
- [2]  $t_{pd}$  is the same as  $t_{PLH}$  and  $t_{PHL}$ .
- [3]  $t_{en}$  is the same as  $t_{PZH}$  and  $t_{PZL}$ .
- [4]  $t_{dis}$  is the same as  $t_{PLZ}$  and  $t_{PHZ}$ .
- [5]  $C_{PD}$  is used to determine the dynamic power dissipation ( $P_D$  in  $\mu W$ ).

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

 $f_i$  = input frequency in MHz;

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

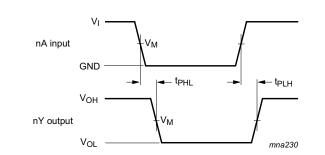
 $C_L$  = output load capacitance in pF;

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

N = number of inputs switching;

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

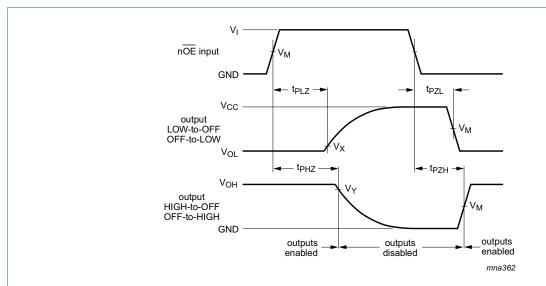
## 12. Waveforms



Measurement points are given in Table 9.

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

Fig 7. Propagation delay input (nA) to output (nY)



Measurement points are given in Table 9.

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

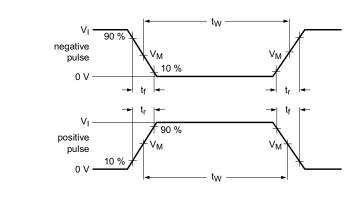
Fig 8. 3-state output enable and disable times

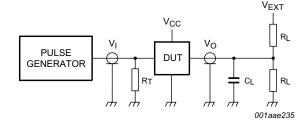
Table 9. Measurement points

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 <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				

74LVC2G125

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Test data is given in Table 10.

Definitions for test circuit:

 $R_L$  = Load resistor.

 $C_L$  = Load capacitance including jig and probe capacitance.

 $R_T$  = Termination resistance should be equal to output impedance  $Z_o$  of the pulse generator.

 $V_{EXT}$  = Test voltage for switching times.

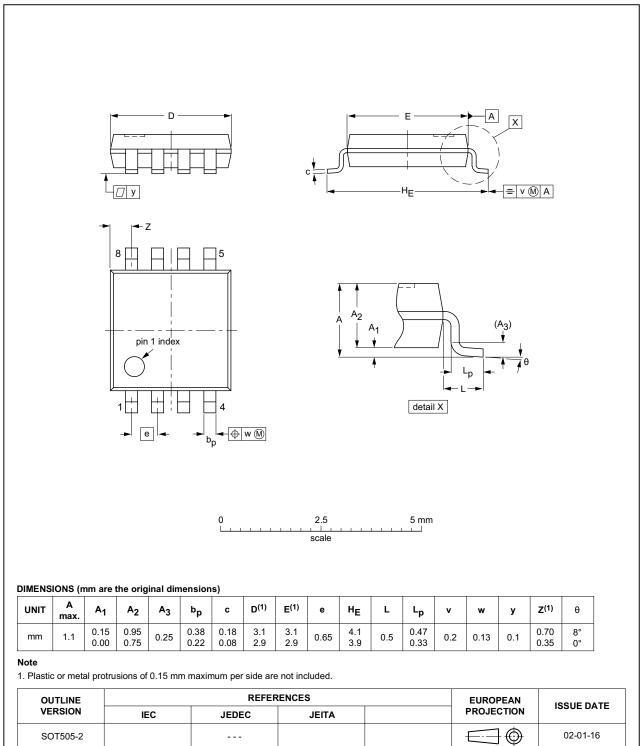
Fig 9. Test circuit for measuring switching times

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	$V_{CC}$	≤ 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	$V_{CC}$	≤ 2.5 ns	50 pF	500 Ω	open	GND	2V <sub>CC</sub>	

## 13. Package outline

TSSOP8: plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm



	REFERENCES			EUROPEAN	ISSUE DATE
IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE
					02-01-16
_	IEC				IEC JEDEC JEITA PROJECTION

Fig 10. Package outline SOT505-2 (TSSOP8)

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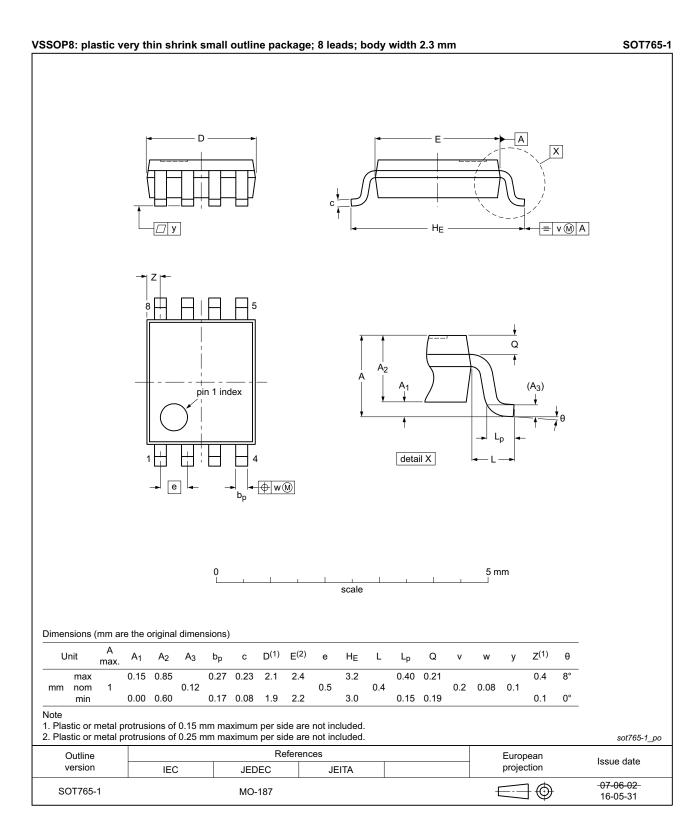


Fig 11. Package outline SOT765-1 (VSSOP8)

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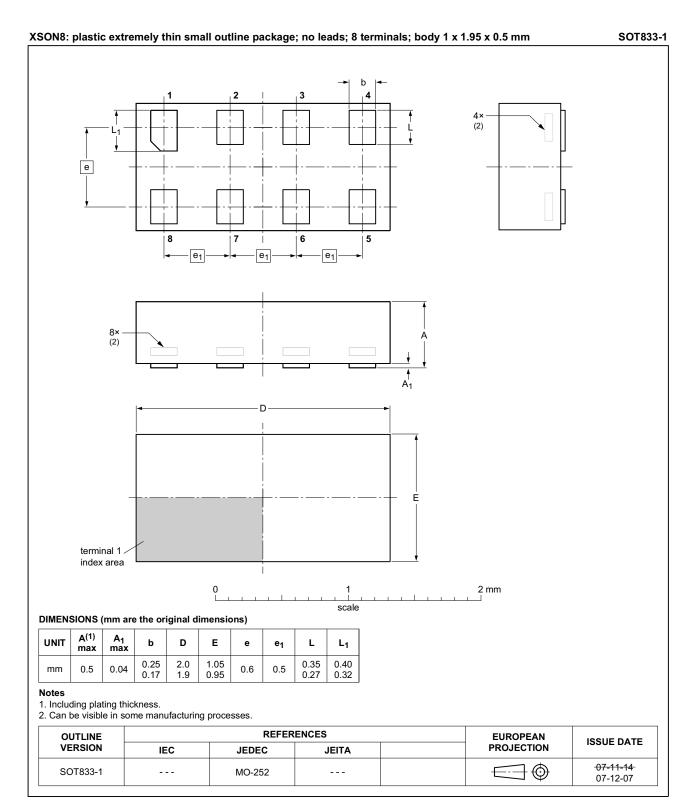


Fig 12. Package outline SOT833-1 (XSON8)

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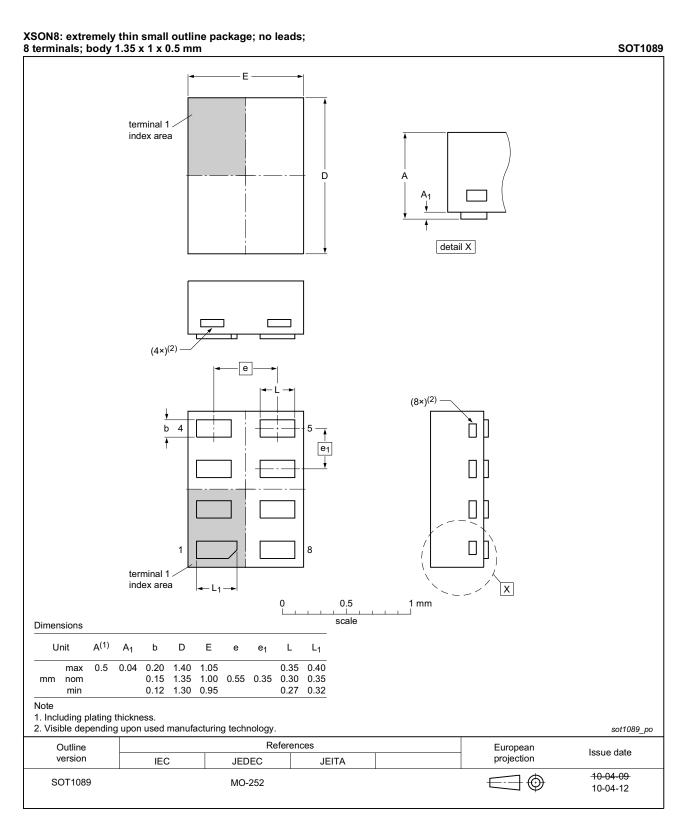


Fig 13. Package outline SOT1089 (XSON8)

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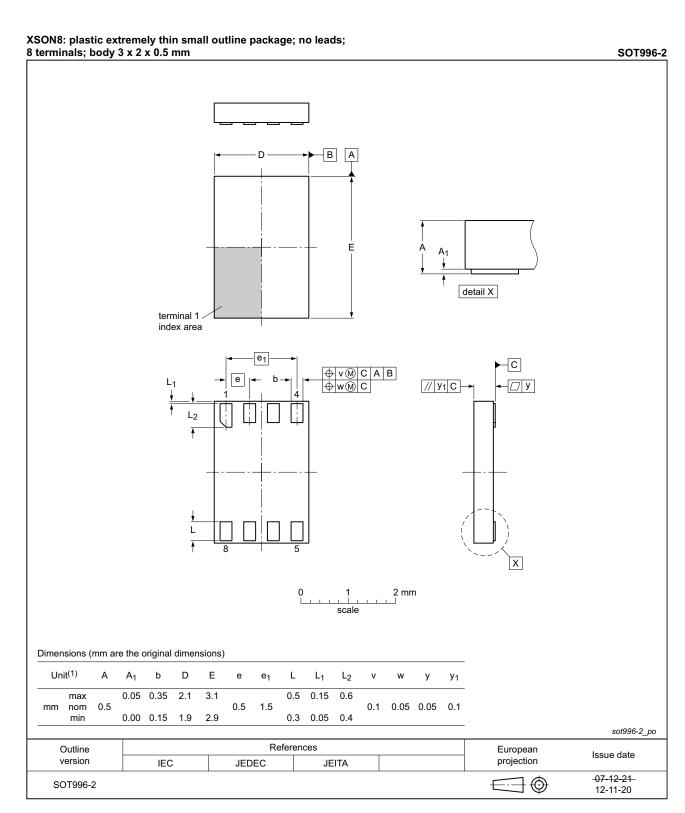


Fig 14. Package outline SOT996-2 (XSON8)

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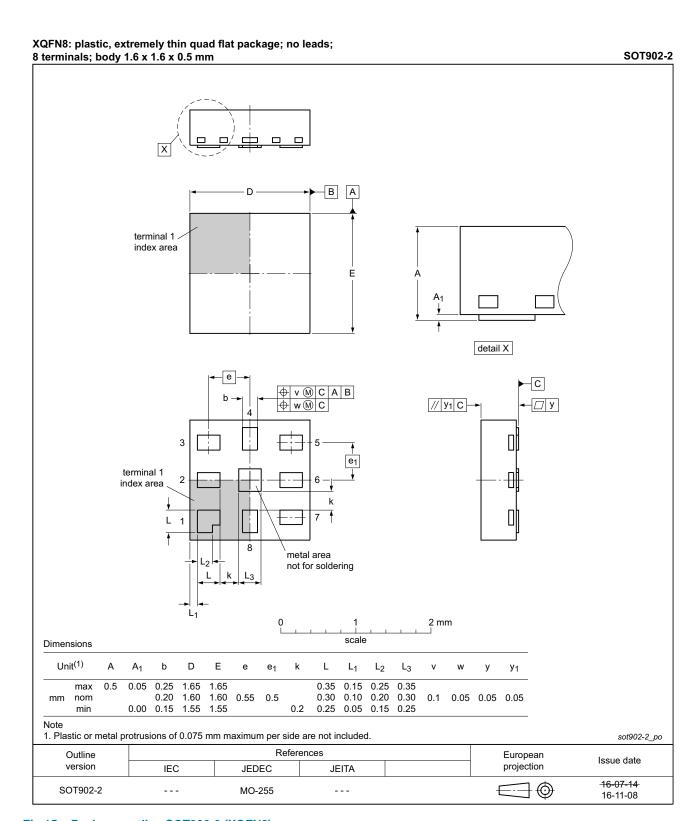


Fig 15. Package outline SOT902-2 (XQFN8)

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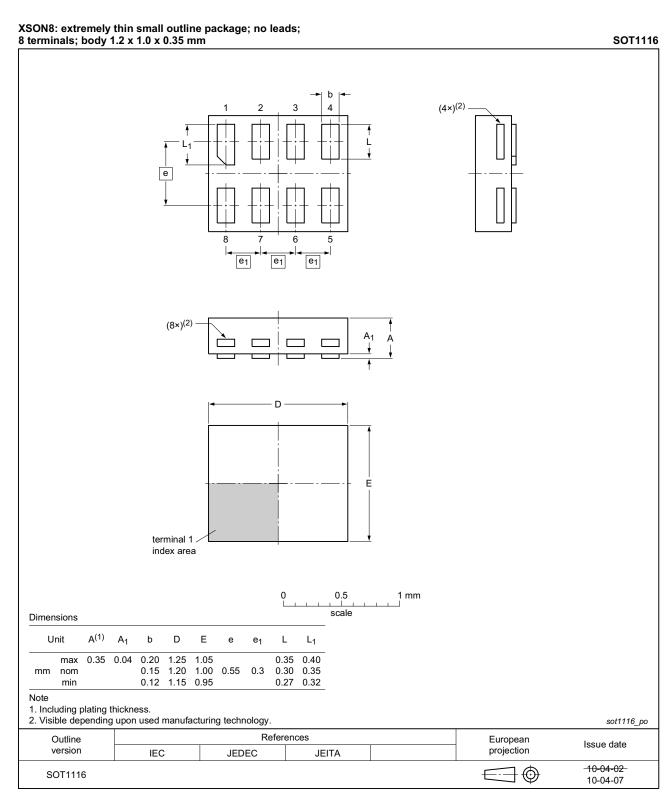


Fig 16. Package outline SOT1116 (XSON8)

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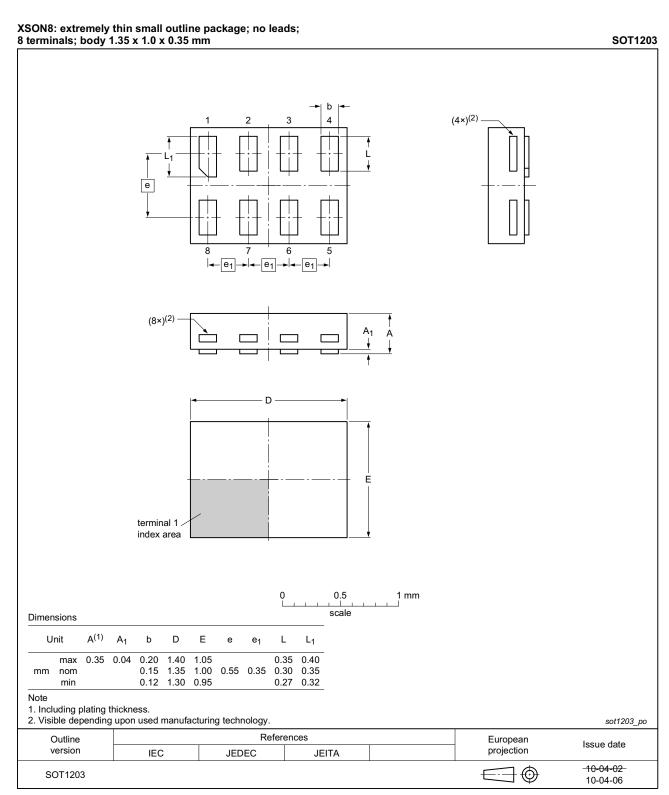


Fig 17. Package outline SOT1203 (XSON8)

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## 14. Abbreviations

### Table 11. Abbreviations

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

# 15. Revision history

### Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74LVC2G125 v.15	20161215	Product data sheet	-	74LVC2G125 v.14
Modifications:	• Table 7: The r	maximum limits for leakage cui	rrent and supply curi	rent have changed.
74LVC2G125 v.14	20130329	Product data sheet	-	74LVC2G125 v.13
Modifications:	<ul> <li>For type numl</li> </ul>	oer 74LVC2G125GD XSON8U	has changed to XS	ON8.
74LVC2G125 v.13	20120622	Product data sheet	-	74LVC2G125 v.12
Modifications:	<ul> <li>For type numl</li> </ul>	per 74LVC2G125GM the SOT	code has changed t	o SOT902-2.
74LVC2G125 v.12	20111201	Product data sheet	-	74LVC2G125 v.11
Modifications:	<ul> <li>Legal pages ι</li> </ul>	ıpdated.		
74LVC2G125 v.11	20100909	Product data sheet	-	74LVC2G125 v.10
74LVC2G125 v.10	20080611	Product data sheet	-	74LVC2G125 v.9
74LVC2G125 v.9	20080226	Product data sheet	-	74LVC2G125 v.8
74LVC2G125 v.8	20070907	Product data sheet	-	74LVC2G125 v.7
74LVC2G125 v.7	20060523	Product data sheet	-	74LVC2G125 v.6
74LVC2G125 v.6	20051223	Product data sheet	-	74LVC2G125 v.5
74LVC2G125 v.5	20050201	Product specification	-	74LVC2G125 v.4
74LVC2G125 v.4	20040922	Product specification	-	74LVC2G125 v.3
74LVC2G125 v.3	20040109	Product specification	-	74LVC2G125 v.2
74LVC2G125 v.2	20030901	Product specification	-	74LVC2G125 v.1
74LVC2G125 v.1	20030310	Product 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.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

- [1] 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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