Dual bus buffer/line driver; 3-state Rev. 14 — 29 March 2013

Product data sheet

General description 1.

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_{CC} = 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



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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 \times 1 \times 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 \times 1.0 \times 0.35 mm	SOT1203

4. Marking

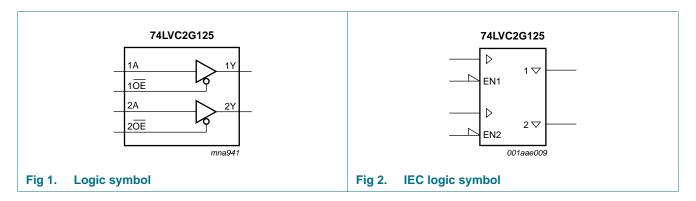
Table 2. Marking codes

Type number	Marking code ^[1]
74LVC2G125DP	V25
74LVC2G125DC	V25
74LVC2G125GT	V25
74LVC2G125GF	VM
74LVC2G125GD	V25
74LVC2G125GM	V25
74LVC2G125GN	VM
74LVC2G125GS	VM

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

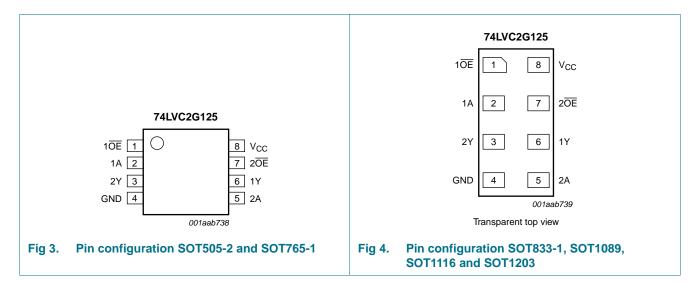
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5. Functional diagram

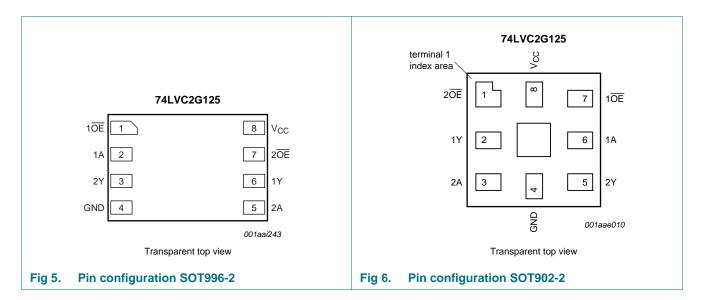


6. Pinning information

6.1 Pinning



Dual bus buffer/line driver; 3-state



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		
10E, 20E	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 _{CC}	8	8	supply voltage	

7. Functional description

Table 4. Function table[1]

Control nOE	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_{CC}	supply voltage		-0.5	+6.5	V
I _{IK}	input clamping current	V _I < 0 V	-50	-	mA
VI	input voltage		<u>[1]</u> –0.5	+6.5	V
I _{OK}	output clamping current	$V_O > V_{CC}$ or $V_O < 0 V$	-	±50	mA
Vo	output voltage	Enable mode	<u>[1]</u> –0.5	$V_{CC} + 0.5$	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 _{CC}	supply current		-	100	mA
I_{GND}	ground current		-100	-	mA
T _{stg}	storage temperature		–65	+150	°C
P _{tot}	total power dissipation	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$	<u>[3]</u> _	300	mW

^[1] 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_{CC}	supply voltage		1.65	5.5	V
V_{I}	input voltage		0	5.5	V
Vo	output voltage	V _{CC} = 1.65 V to 5.5 V; Enable mode	0	V_{CC}	V
		V _{CC} = 1.65 V to 5.5 V; Disable mode	0	5.5	V
		V _{CC} = 0 V; Power-down mode	0	5.5	V
T _{amb}	ambient temperature		-40	+125	°C
Δt/ΔV	input transition rise and	V _{CC} = 1.65 V to 2.7 V	-	20	ns/V
	fall rate	V _{CC} = 2.7 V to 5.5 V	-	10	ns/V

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

^[3] For TSSOP8 package: above 55 °C the value of P_{tot} derates linearly with 2.5 mW/K. For VSSOP8 package: above 110 °C the value of P_{tot} derates linearly with 8 mW/K. For XSON8, XQFN8 packages: above 118 °C the value of P_{tot} derates linearly with 7.8 mW/K.

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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 _{amb} = -	40 °C to +85 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 1.65 V to 1.95 V	0.65V _{CC}	-	-	V
		V _{CC} = 2.3 V to 2.7 V	1.7	-	-	V
		V _{CC} = 2.7 V to 3.6 V	2.0	-	-	V
		V _{CC} = 4.5 V to 5.5 V	$0.7V_{CC}$	-	-	V
V_{IL}	LOW-level input voltage	V _{CC} = 1.65 V to 1.95 V	-	-	$0.35V_{CC}$	V
		V _{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		V _{CC} = 2.7 V to 3.6 V	-	-	8.0	V
		V _{CC} = 4.5 V to 5.5 V	-	-	$0.3V_{CC}$	V
V _{OL}	LOW-level output voltage	$V_I = V_{IH}$ or V_{IL}				
		I_{O} = 100 μ A; V_{CC} = 1.65 V to 5.5 V	-	-	0.1	V
		$I_{O} = 4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.45	V
		$I_{O} = 8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.3	V
		$I_O = 12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	-	-	0.4	V
		$I_O = 24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.55	V
		$I_O = 32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	-	0.55	V
V _{OH}	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 _{CC} - 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
I _I	input leakage current	$V_I = 5.5 \text{ V or GND}$; $V_{CC} = 0 \text{ V to } 5.5 \text{ V}$	-	±0.1	±5	μΑ
I _{OZ}	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	±10	μΑ
I _{OFF}	power-off leakage current	V_I or $V_O = 5.5 \text{ V}$; $V_{CC} = 0 \text{ V}$	-	±0.1	±10	μΑ
I _{CC}	supply current	$V_I = 5.5 \text{ V or GND};$ $V_{CC} = 1.65 \text{ V to } 5.5 \text{ V}; I_O = 0 \text{ A}$	-	0.1	10	μΑ
ΔI_{CC}	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
C _I	input capacitance		-	2	-	pF

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 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 _{amb} = -	40 °C to +125 °C					
V _{IH}	HIGH-level input voltage	V _{CC} = 1.65 V to 1.95 V	0.65V _{CC}	-	-	V
		V _{CC} = 2.3 V to 2.7 V	1.7	-	-	V
		V _{CC} = 2.7 V to 3.6 V	2.0	-	-	V
		V _{CC} = 4.5 V to 5.5 V	0.7V _{CC}	-	-	V
V _{IL}	LOW-level input voltage	V _{CC} = 1.65 V to 1.95 V	-	-	$0.35V_{CC}$	V
		V _{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		V _{CC} = 2.7 V to 3.6 V	-	-	8.0	V
		V _{CC} = 4.5 V to 5.5 V	-	-	$0.3V_{CC}$	V
V _{OL}	LOW-level output voltage	$V_I = V_{IH}$ or V_{IL}				
		I_{O} = 100 μ 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
		$I_{O} = 12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	-	-	0.60	V
		$I_{O} = 24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.80	V
		$I_{O} = 32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	-	0.80	V
V _{OH}	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 _{CC} - 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
l _l	input leakage current	$V_I = 5.5 \text{ V or GND}$; $V_{CC} = 0 \text{ V to } 5.5 \text{ V}$	-	-	±20	μΑ
l _{oz}	OFF-state output current	$V_I = V_{IH}$ or V_{IL} ; $V_O = 5.5$ V or GND; $V_{CC} = 3.6$ V	-	-	±20	μΑ
OFF	power-off leakage current	V_{I} or $V_{O} = 5.5 \text{ V}$; $V_{CC} = 0 \text{ V}$	-	-	±20	μΑ
CC	supply current	$V_I = 5.5 \text{ V or GND};$ $V_{CC} = 1.65 \text{ V to 5.5 V}; I_O = 0 \text{ A}$	-	-	40	μΑ
∆l _{CC}	additional supply current	per pin; $V_1 = V_{CC} - 0.6 \text{ V}$; $I_O = 0 \text{ A}$; $V_{CC} = 2.3 \text{ V}$ to 5.5 V	-	-	5	mA

^[1] 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 _{pd} propagation delay		nA to nY; see Figure 7	[2]						
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.0	3.7	9.1	1.0	11.4	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.5	2.5	4.8	0.5	6.0	ns
		$V_{CC} = 2.7 \text{ V}$		1.0	2.7	4.8	1.0	6.0	ns
	$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		0.5	2.3	4.3	0.5	5.5	ns	
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		0.5	1.9	3.7	0.5	4.6	ns
t _{en} enable time		nOE to nY; see Figure 8	[3]						
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.5	4.3	9.9	1.5	12.4	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		1.0	2.8	5.6	1.0	7.0	ns
		$V_{CC} = 2.7 \text{ V}$		1.5	3.3	5.7	1.5	7.1	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		0.5	2.4	4.7	0.5	5.9	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		0.5	2.0	3.8	0.5	4.8	ns
t _{dis}	disable time	nOE to nY; see Figure 8	<u>[4]</u>						
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.0	3.5	11.6	1.0	14.1	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.5	1.8	5.8	0.5	7.6	ns
		$V_{CC} = 2.7 \text{ V}$		1.0	2.7	4.8	1.0	6.2	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.0	2.7	4.6	1.0	5.9	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$		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.

[5] 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;

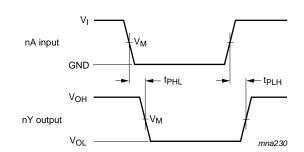
 $\Sigma(C_L \times V_{CC}^2 \times f_o)$ = sum of outputs.

^[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} .

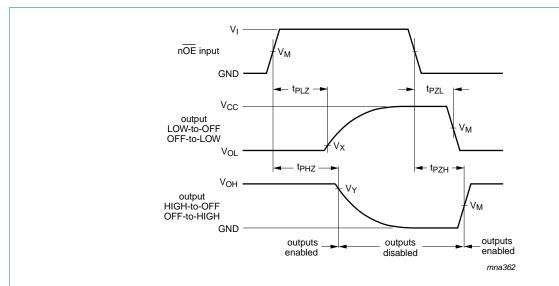
12. Waveforms



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



Measurement points are given in Table 9.

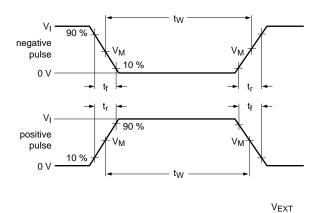
Logic levels: V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

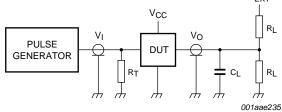
Fig 8. 3-state output enable and disable times

Table 9. Measurement points

Supply voltage	Input	Output	Dutput						
V _{CC}	V _M	V _M	V _X	V _Y					
1.65 V to 1.95 V	0.5V _{CC}	0.5V _{CC}	V _{OL} + 0.15 V	V _{OH} – 0.15 V					
2.3 V to 2.7 V	0.5V _{CC}	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 _{CC}	0.5V _{CC}	$V_{OL} + 0.3 V$	$V_{OH} - 0.3 V$					

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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		V_{EXT}	V _{EXT}			
V _{CC}	VI	V_{l} t_{r}, t_{f} C_{l}		R _L	t _{PLH} , t _{PHL}	t _{PZH} , t _{PHZ}	t_{PZL}, t_{PLZ}		
1.65 V to 1.95 V	V_{CC}	\leq 2.0 ns	30 pF	1 kΩ	open	GND	2V _{CC}		
2.3 V to 2.7 V	V_{CC}	\leq 2.0 ns	30 pF	500Ω	open	GND	2V _{CC}		
2.7 V	2.7 V	\leq 2.5 ns	50 pF	500Ω	open	GND	6 V		
3.0 V to 3.6 V	2.7 V	\leq 2.5 ns	50 pF	500Ω	open	GND	6 V		
4.5 V to 5.5 V	V_{CC}	≤ 2.5 ns	50 pF	500Ω	open	GND	2V _{CC}		

13. Package outline

TSSOP8: plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm SOT505-2

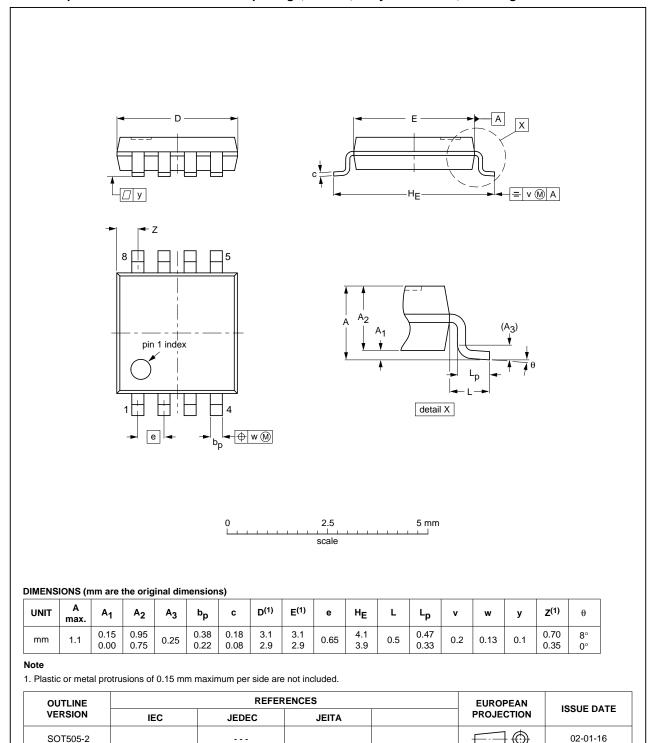
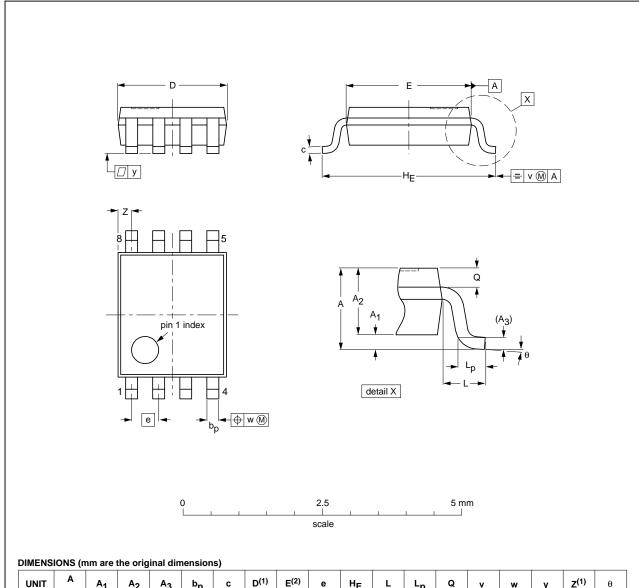


Fig 10. Package outline SOT505-2 (TSSOP8)

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VSSOP8: plastic very thin shrink small outline package; 8 leads; body width 2.3 mm

SOT765-1



UNIT	A max.	A ₁	A ₂	А3	bp	С	D ⁽¹⁾	E ⁽²⁾	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
mm	1	0.15 0.00	0.85 0.60	0.12	0.27 0.17	0.23 0.08	2.1 1.9	2.4 2.2	0.5	3.2 3.0	0.4	0.40 0.15	0.21 0.19	0.2	0.13	0.1	0.4 0.1	8° 0°

Notes

- Plastic or metal protrusions of 0.15 mm maximum per side are not included.
- 2. Plastic or metal protrusions of 0.25 mm maximum per side are not included.

OUTLINE	REFERENCES				EUROPEAN	ISSUE DATE
VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE
SOT765-1		MO-187				02-06-07

Fig 11. Package outline SOT765-1 (VSSOP8)

74LVC2G125

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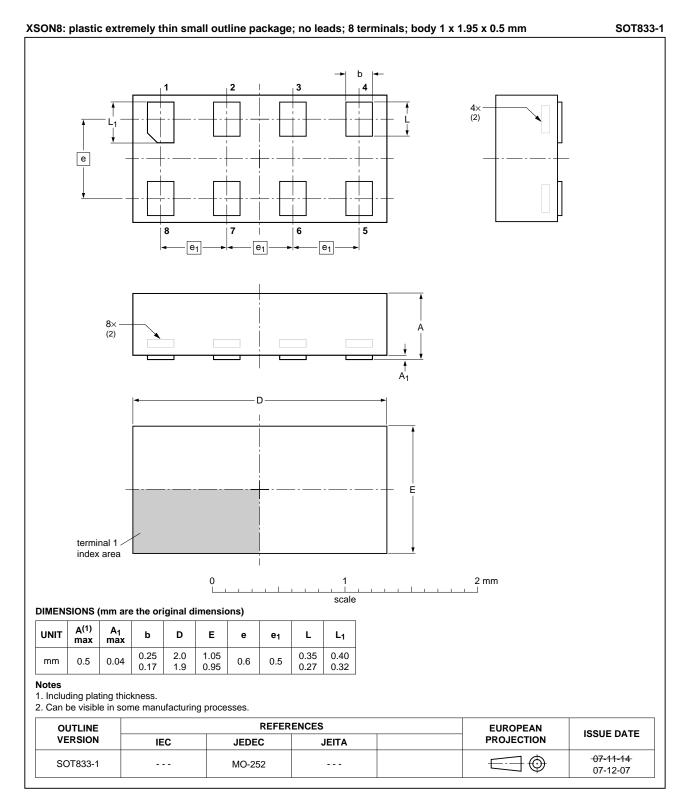


Fig 12. Package outline SOT833-1 (XSON8)

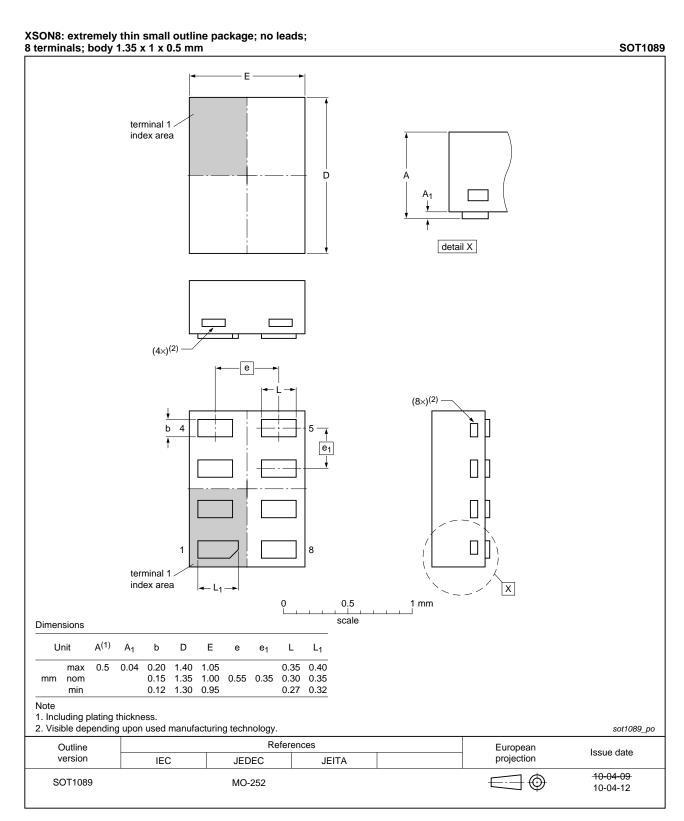


Fig 13. Package outline SOT1089 (XSON8)

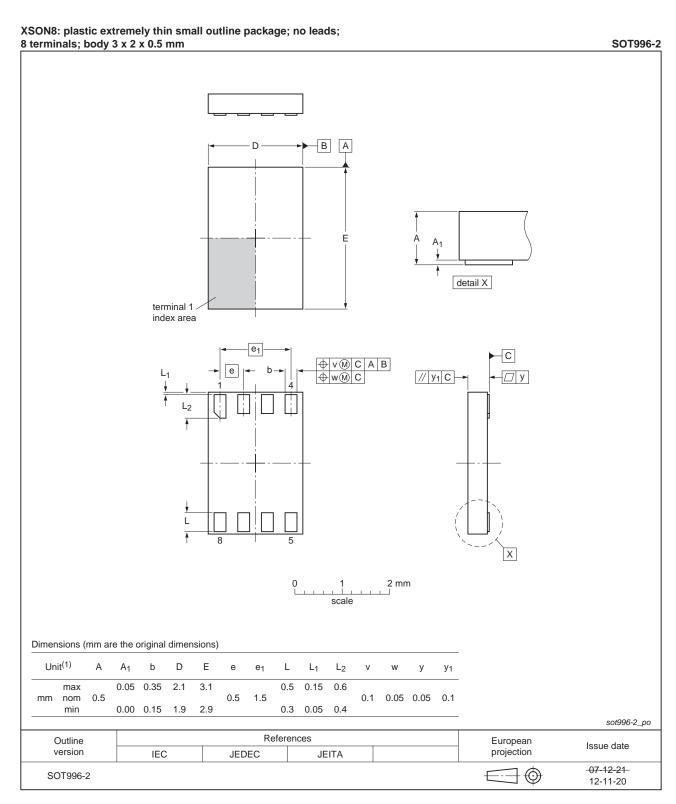


Fig 14. Package outline SOT996-2 (XSON8)

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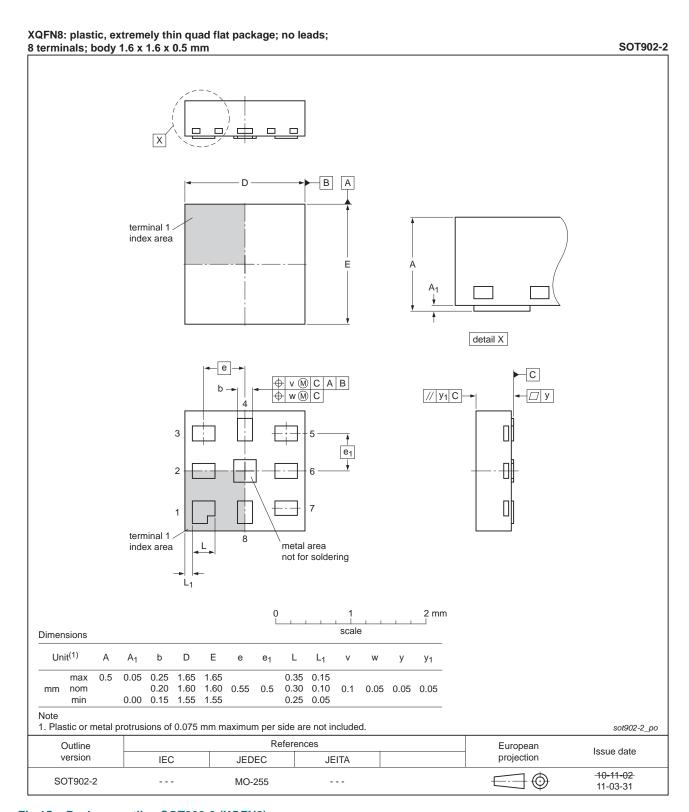


Fig 15. Package outline SOT902-2 (XQFN8)

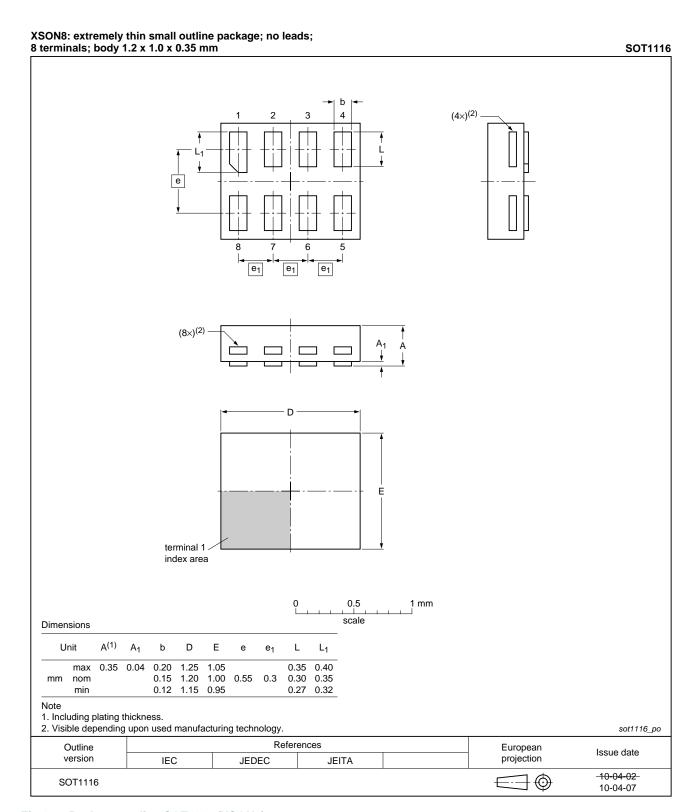


Fig 16. Package outline SOT1116 (XSON8)

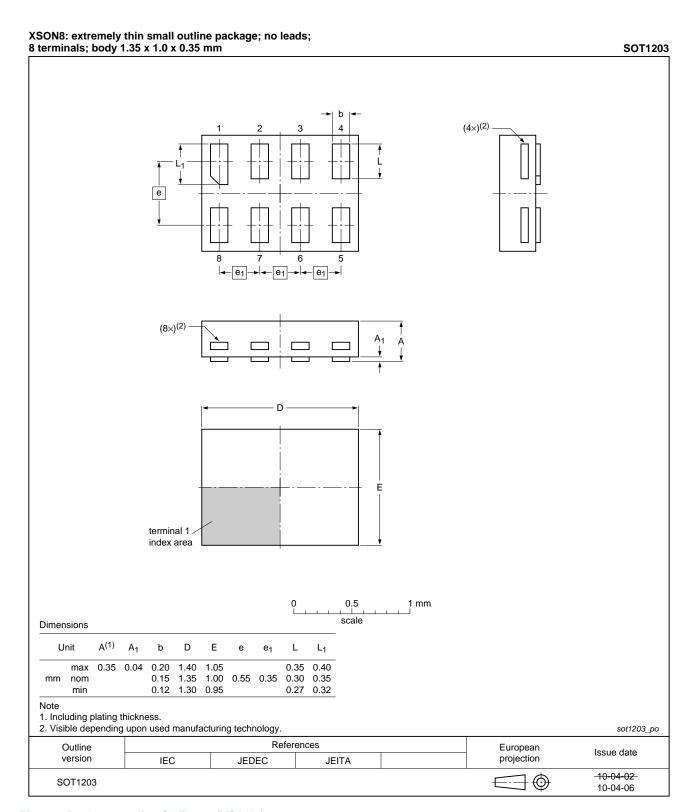


Fig 17. Package outline SOT1203 (XSON8)

Dual bus buffer/line driver; 3-state

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
74LVC2G125 v.14	20130329	Product data sheet	-	74LVC2G125 v.13
Modifications:	 For type nu 	mber 74LVC2G125GD XSO	N8U has changed to X	SON8.
74LVC2G125 v.13	20120622	Product data sheet	-	74LVC2G125 v.12
Modifications:	 For type nu 	mber 74LVC2G125GM the	SOT code has changed	to SOT902-2.
74LVC2G125 v.12	20111201	Product data sheet	-	74LVC2G125 v.11
Modifications:	 Legal pages 	s updated.		
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

16.1 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.

- [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"
- [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 URL http://www.nxp.com.

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Dual bus buffer/line driver; 3-state

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Dual bus buffer/line driver; 3-state

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