# 74LVC2G125 Dual bus buffer/line driver; 3-state Rev. 14 – 29 March 2013

**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  $n\overline{OE}$ ). A HIGH-level at pin  $n\overline{OE}$  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



Dual bus buffer/line driver; 3-state

## 3. Ordering information

Table 1. Orderin	ng 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 $3\times2\times0.5~\text{mm}$	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

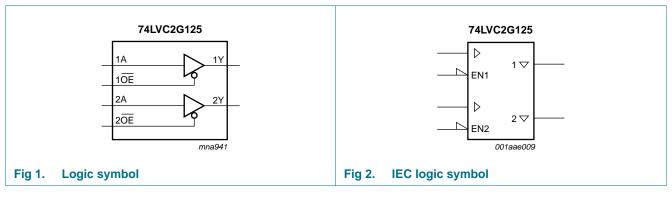
### Table 2.Marking codes

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

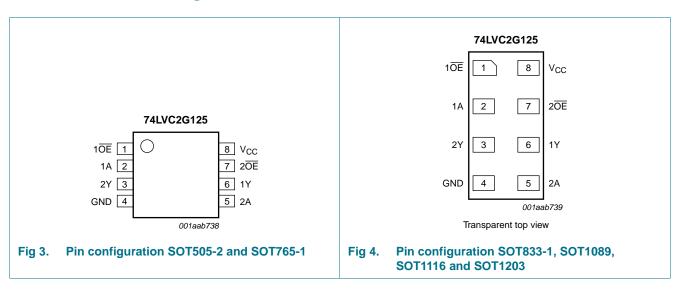
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

Dual bus buffer/line driver; 3-state

## 5. Functional diagram

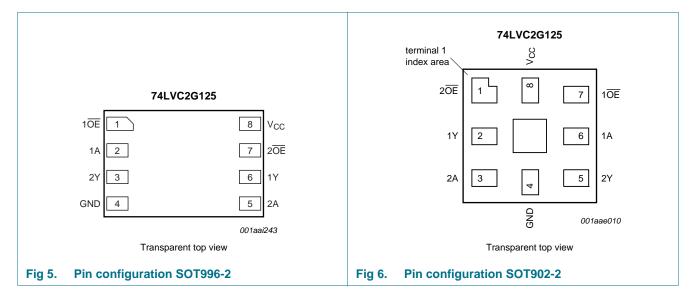


## 6. Pinning information



### 6.1 Pinning

Dual bus buffer/line driver; 3-state



### 6.2 Pin description

Symbol	Pin	Pin				
	SOT505-2, SOT765-1, SOT833-1, SOT1089, SOT996-2, SOT1116 and SOT1203	SOT902-2				
1 <u>0E</u> , 2 <u>0E</u>	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<sup>[1]</sup>

Control	Input	Output
nOE	nA	nY
L	L	L
L	Н	Н
Н	Х	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	<u>[1][2]</u> –0.5	+6.5	V
lo	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 °C to +125 °C	[3] _	300	mW
-					

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

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

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.

## 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	$V_{CC}$ = 1.65 V to 5.5 V; Enable mode	0	V <sub>CC</sub>	V	
	$V_{CC}$ = 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
$\Delta t / \Delta V$	input transition rise and fall rate	$V_{CC}$ = 1.65 V to 2.7 V	-	20	ns/V
		V <sub>CC</sub> = 2.7 V to 5.5 V	-	10	ns/V

## **10. Static characteristics**

### Table 7. Static characteristics

At recommended operating conditions; voltages are referenced to GND (ground 0 V).

-	Parameter	Conditions	Min	Typ <mark>[1]</mark>	Max	Unit
T <sub>amb</sub> = –	40 °C to +85 °C					
VIH	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
VIL	LOW-level input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	$0.35V_{CC}$	V
		$V_{CC}$ = 2.3 V to 2.7 V	-	-	0.7	V
		$V_{CC} = 2.7 \text{ V} \text{ to } 3.6 \text{ V}$	-	-	0.8	V
		$V_{CC}$ = 4.5 V to 5.5 V	-	-	$0.3V_{CC}$	V
V <sub>OL</sub>	LOW-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_O$ = 100 $\mu$ A; $V_{CC}$ = 1.65 V to 5.5 V	-	-	0.1	V
		$I_0 = 4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.45	V
		$I_0 = 8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.3	V
		$I_0 = 12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	-	-	0.4	V
		$I_0 = 24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.55	V
		$I_0 = 32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	-	0.55	V
V <sub>OH</sub>	HIGH-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_{O}$ = $-100~\mu\text{A};~V_{CC}$ = 1.65 V to 5.5 V	$V_{CC}-0.1$	-	-	V
		$I_0 = -4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	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
lı	input leakage current	$V_{I}$ = 5.5 V or GND; $V_{CC}$ = 0 V to 5.5 V	-	±0.1	±5	μA
l <sub>oz</sub>	OFF-state output current	$\label{eq:VI} \begin{array}{l} V_{I} = V_{IH} \text{ or } V_{IL};  V_{O} = 5.5 \; V \text{ or } GND; \\ V_{CC} = 3.6 \; V \end{array}$	-	±0.1	±10	μΑ
OFF	power-off leakage current	$V_1 \text{ or } V_0 = 5.5 \text{ V}; V_{CC} = 0 \text{ V}$	-	±0.1	±10	μΑ
cc	supply current	$V_{I} = 5.5 V \text{ or GND};$ $V_{CC} = 1.65 V \text{ to } 5.5 V; I_{O} = 0 \text{ A}$	-	0.1	10	μΑ
∆l <sub>CC</sub>	additional supply current	per pin; V <sub>I</sub> = V <sub>CC</sub> – 0.6 V; I <sub>O</sub> = 0 A; V <sub>CC</sub> = 2.3 V to 5.5 V	-	5	500	μA
CI	input capacitance			2	-	pF

## Dual bus buffer/line driver; 3-state

Symbol	Parameter	Conditions	Min	Typ[1]	Мах	Unit
-	-40 °C to +125 °C	Conditions		176	max	01110
∙amb – 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
чIП	r nor novor input voltago	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.7	-	-	V
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	2.0	_	-	v
		$V_{CC} = 4.5 \text{ V} \text{ to } 5.5 \text{ V}$	0.7V <sub>CC</sub>	-	-	v
/ <sub>IL</sub>	LOW-level input voltage	$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$	-	-	0.35V <sub>CC</sub>	V
IL	2011 lotor inpat tokago	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	_	0.7	v
		$V_{\rm CC} = 2.7 \text{ V to } 3.6 \text{ V}$	-	-	0.8	V
		$V_{\rm CC} = 4.5 \text{ V to } 5.5 \text{ V}$	-	-	0.3V <sub>CC</sub>	V
/ <sub>OL</sub>	LOW-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$			0.0100	•
OL		$I_0 = 100 \ \mu\text{A}; \ V_{CC} = 1.65 \ \text{V to } 5.5 \ \text{V}$	-	-	0.1	V
		$I_{O} = 4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	-	-	0.70	V
		$I_0 = 8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	-	-	0.45	V
		$I_0 = 12 \text{ mA; } V_{CC} = 2.7 \text{ V}$	-	-	0.60	V
		$I_0 = 24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.80	V
		$I_0 = 32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	-	0.80	V
/ <sub>он</sub>	HIGH-level output voltage	$V_{I} = V_{IH} \text{ or } V_{IL}$				
		$I_0 = -100 \ \mu\text{A}; \ V_{CC} = 1.65 \ \text{V} \text{ to } 5.5 \ \text{V}$	V <sub>CC</sub> - 0.1	-	-	V
		$I_0 = -4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	0.95	-	-	V
		$I_0 = -8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.7	-	-	V
		$I_0 = -12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	1.9	-	-	V
		$I_0 = -24$ mA; $V_{CC} = 3.0$ V	2.0	-	-	V
		$I_{O} = -32 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.4	-	-	V
1	input leakage current	$V_1 = 5.5$ V or GND; $V_{CC} = 0$ V to 5.5 V	-	-	±20	μA
OZ	OFF-state output current	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{O} = 5.5 \text{ V or GND};$ $V_{CC} = 3.6 \text{ V}$	-	-	±20	μΑ
OFF	power-off leakage current	$V_{I}$ or $V_{O}$ = 5.5 V; $V_{CC}$ = 0 V	-	-	±20	μA
CC	supply current	$V_1 = 5.5 V \text{ or GND};$ $V_{CC} = 1.65 V \text{ to } 5.5 V; I_O = 0 A$	-	-	40	μA
Alcc	additional supply current	per pin; V <sub>I</sub> = V <sub>CC</sub> – 0.6 V; I <sub>O</sub> = 0 A; V <sub>CC</sub> = 2.3 V to 5.5 V	-	-	5	mA

#### Table 7. Static characteristics ... continued

[1] Typical values are measured at V\_{CC} = 3.3 V and T\_{amb} = 25 °C.

### Dual 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 Figure 9.

Symbol	Parameter	Conditions		-40	°C to +85	°C	–40 °C to +125 °C		Unit
				Min	Typ <mark>[1]</mark>	Max	Min	Max	_
t <sub>pd</sub>	propagation delay	nA to nY; see Figure 7	[2]						
		$V_{CC}$ = 1.65 V to 1.95 V		1.0	3.7	9.1	1.0	11.4	ns
		$V_{CC}$ = 2.3 V to 2.7 V		0.5	2.5	4.8	0.5	6.0	ns
		$V_{CC} = 2.7 V$		1.0	2.7	4.8	1.0	6.0	ns
		$V_{CC}$ = 3.0 V to 3.6 V		0.5	2.3	4.3	0.5	5.5	ns
		$V_{CC}$ = 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]						
		$V_{CC}$ = 1.65 V to 1.95 V		1.5	4.3	9.9	1.5	12.4	ns
		$V_{CC}$ = 2.3 V to 2.7 V		1.0	2.8	5.6	1.0	7.0	ns
		$V_{CC} = 2.7 V$		1.5	3.3	5.7	1.5	7.1	ns
		$V_{CC}$ = 3.0 V to 3.6 V		0.5	2.4	4.7	0.5	5.9	ns
		$V_{CC}$ = 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	[4]						
		$V_{CC}$ = 1.65 V to 1.95 V		1.0	3.5	11.6	1.0	14.1	ns
		$V_{CC}$ = 2.3 V to 2.7 V		0.5	1.8	5.8	0.5	7.6	ns
		$V_{CC} = 2.7 V$		1.0	2.7	4.8	1.0	6.2	ns
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$		1.0	2.7	4.6	1.0	5.9	ns
		$V_{CC}$ = 4.5 V to 5.5 V		0.5	1.8	3.4	0.5	4.6	ns
C <sub>PD</sub>	power dissipation	per buffer; $V_I$ = GND to $V_{CC}$	[5]						
	capacitance	output enabled		-	18	-	-	-	pF
		output disabled		-	5	-	-	-	pF

[1] Typical values are measured at nominal V<sub>CC</sub> and at  $T_{amb} = 25$  °C.

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

 $[3] \quad t_{en} \text{ is the same as } t_{PZH} \text{ and } t_{PZL}.$ 

[5]  $C_{PD}$  is used to determine the dynamic power dissipation (P<sub>D</sub> 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;

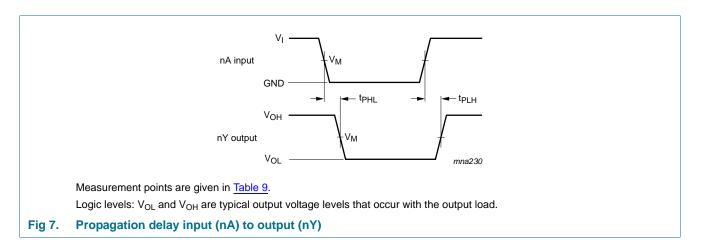
 $V_{CC}$  = supply voltage in V;

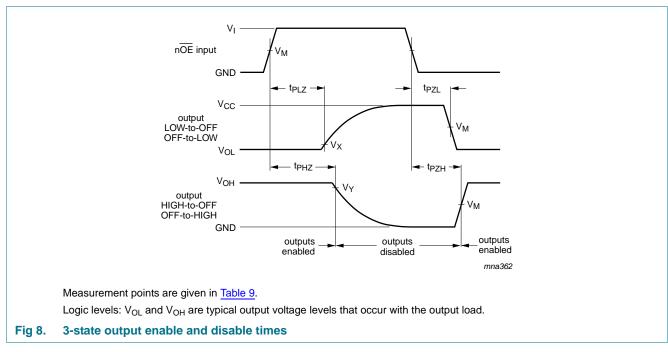
N = number of inputs switching;

 $\Sigma(C_L \times V_{CC}^2 \times f_0)$  = sum of outputs.

### Dual bus buffer/line driver; 3-state

## 12. Waveforms





### 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	$0.5V_{CC}$	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	$0.5V_{CC}$	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

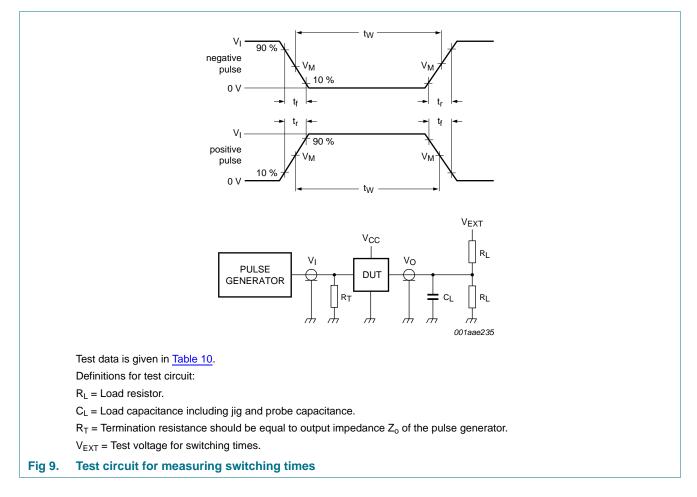
74LVC2G125

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### **NXP Semiconductors**

# 74LVC2G125

### Dual bus buffer/line driver; 3-state

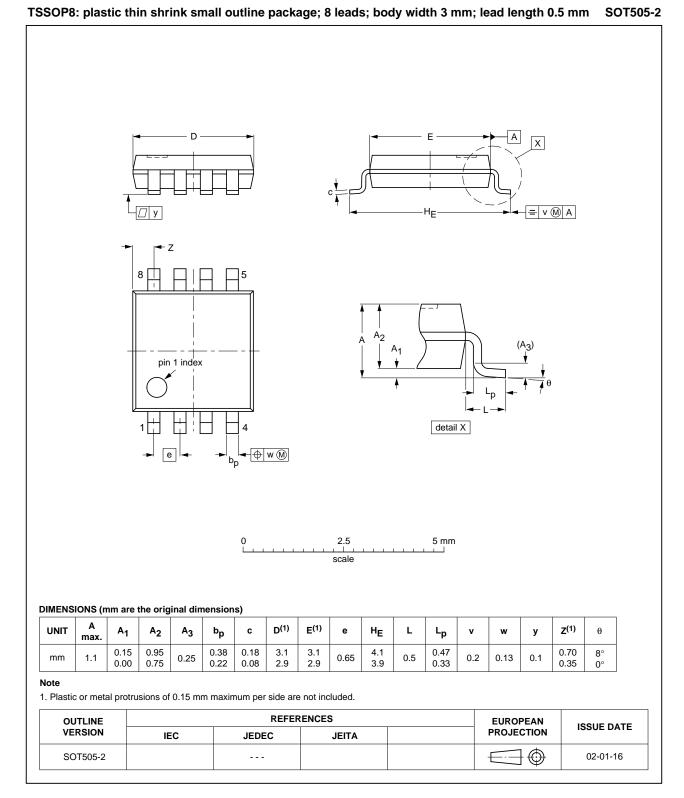


### Table 10. Test data

Supply voltage	Input		Load	Load		V <sub>EXT</sub>		
V <sub>cc</sub>	VI	t <sub>r</sub> , t <sub>f</sub>	CL	RL	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>	$\leq$ 2.0 ns	30 pF	1 kΩ	open	GND	$2V_{CC}$	
2.3 V to 2.7 V	V <sub>CC</sub>	$\leq$ 2.0 ns	30 pF	500 Ω	open	GND	$2V_{CC}$	
2.7 V	2.7 V	$\leq$ 2.5 ns	50 pF	500 Ω	open	GND	6 V	
3.0 V to 3.6 V	2.7 V	$\leq$ 2.5 ns	50 pF	500 Ω	open	GND	6 V	
4.5 V to 5.5 V	V <sub>CC</sub>	$\leq$ 2.5 ns	50 pF	500 Ω	open	GND	$2V_{CC}$	

Dual bus buffer/line driver; 3-state

## 13. Package outline



### Fig 10. Package outline SOT505-2 (TSSOP8)

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Dual bus buffer/line driver; 3-state

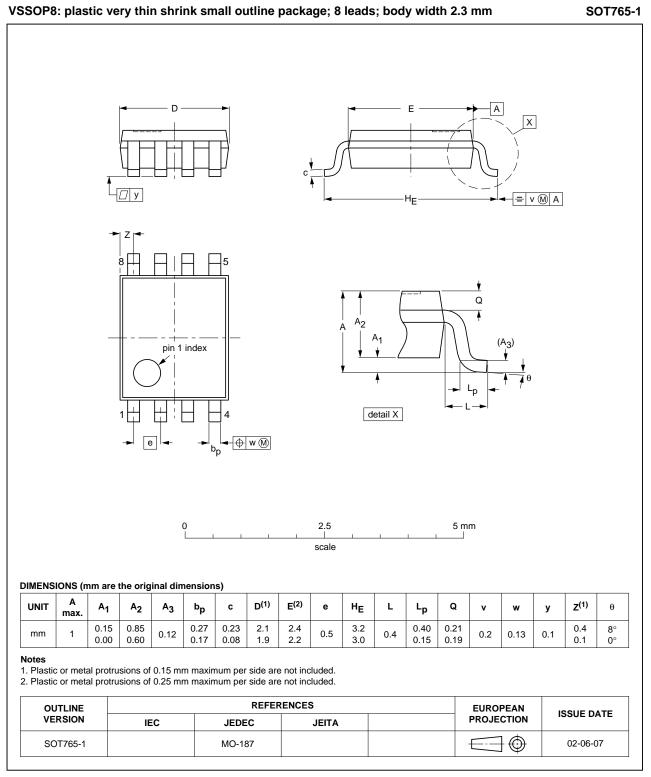
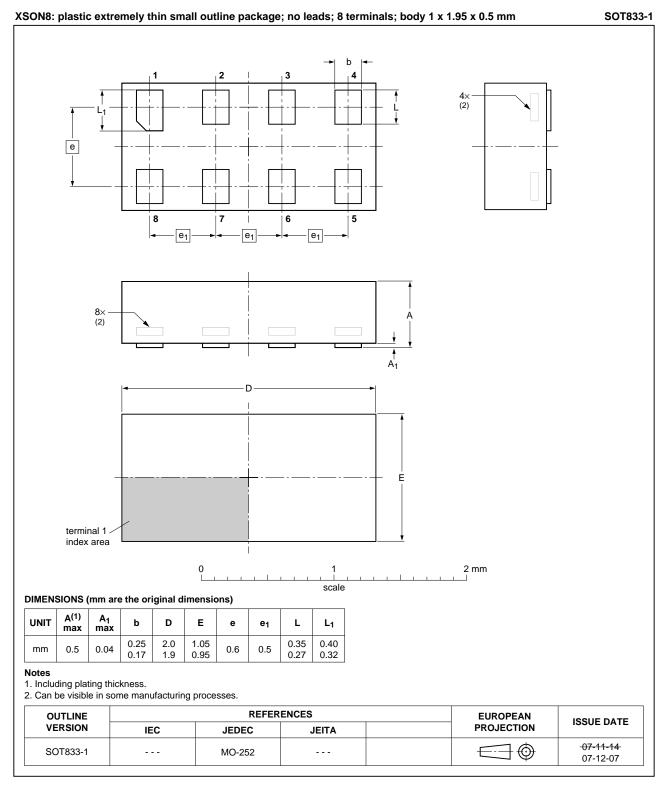


Fig 11. Package outline SOT765-1 (VSSOP8)

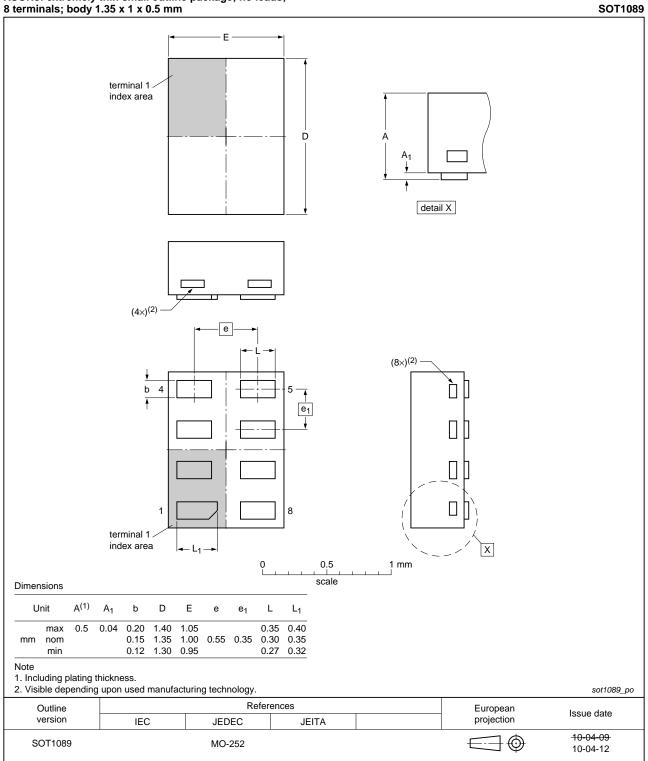
Dual bus buffer/line driver; 3-state



### Fig 12. Package outline SOT833-1 (XSON8)

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Dual bus buffer/line driver; 3-state

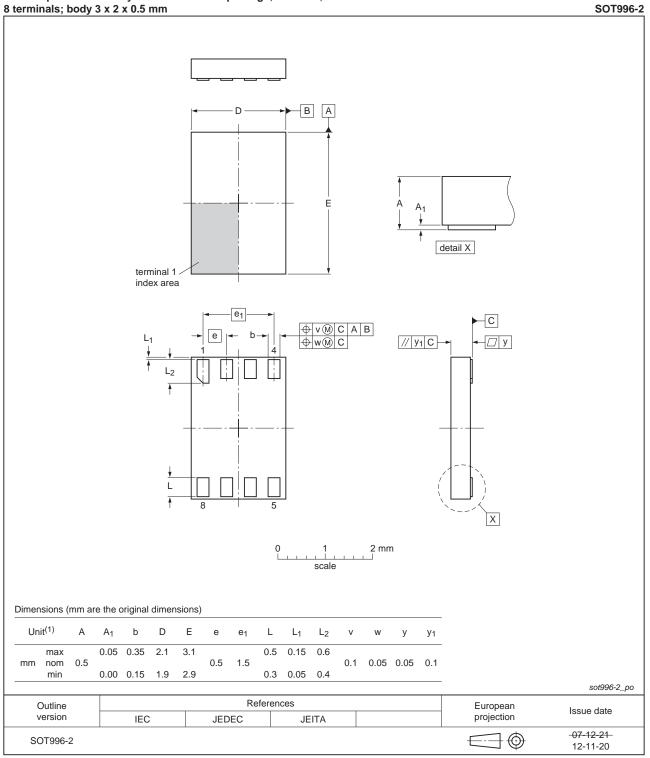


XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1 x 0.5 mm

### Fig 13. Package outline SOT1089 (XSON8)

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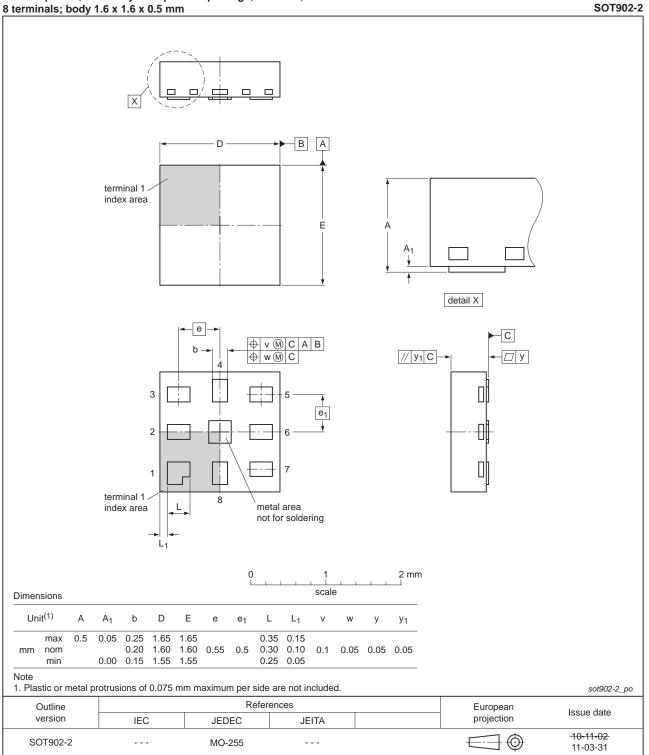


XSON8: plastic extremely thin small outline package; no leads; 8 terminals; body 3 x 2 x 0.5 mm

Fig 14. Package outline SOT996-2 (XSON8)

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Dual bus buffer/line driver; 3-state

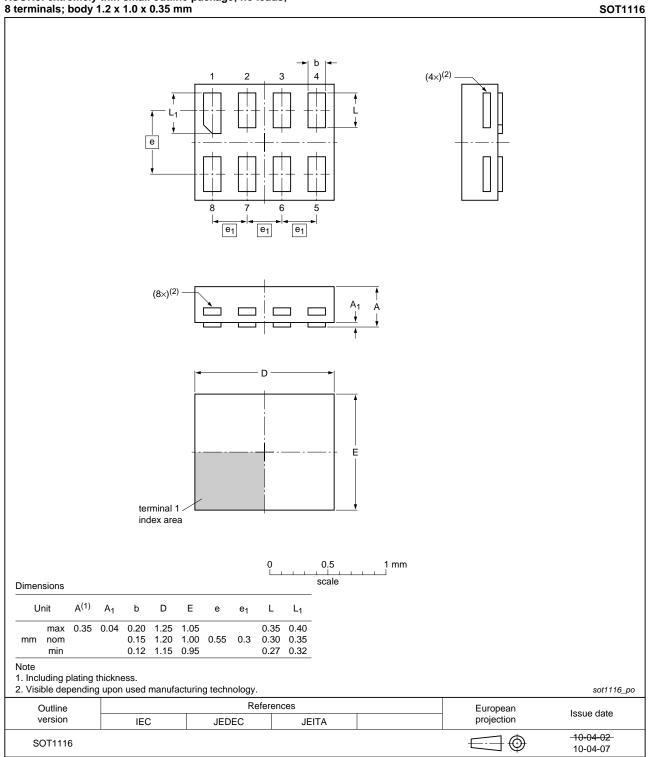


XQFN8: plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm

### Fig 15. Package outline SOT902-2 (XQFN8)

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Dual bus buffer/line driver; 3-state

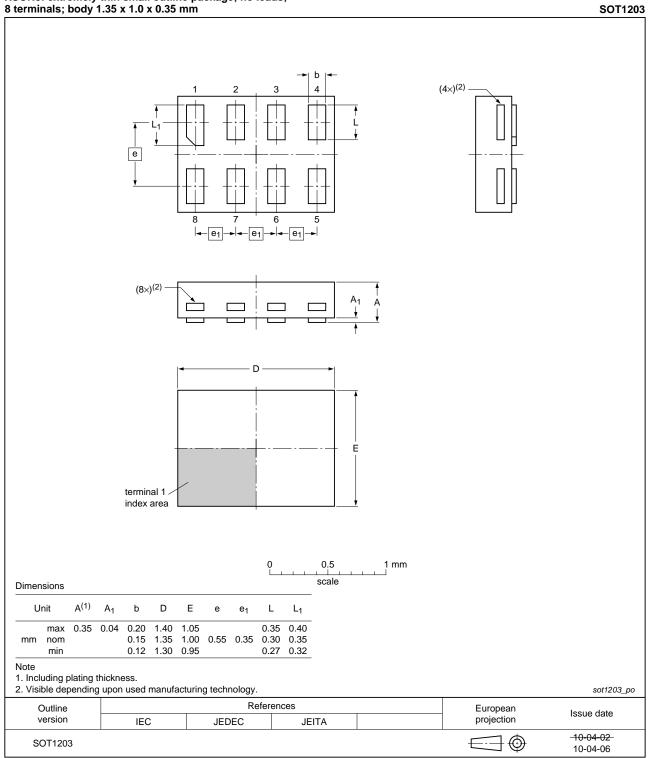


# XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm

Fig 16. Package outline SOT1116 (XSON8)

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Dual bus buffer/line driver; 3-state



# XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1.0 x 0.35 mm

Fig 17. Package outline SOT1203 (XSON8)

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Dual bus buffer/line driver; 3-state

## 14. Abbreviations

Description
Complementary Metal-Oxide Semiconductor
Device Under Test
ElectroStatic Discharge
Human Body Model
Machine Model
Transistor-Transistor Logic

## 15. Revision history

#### Table 12. **Revision history Document ID Release date** Data sheet status **Change notice Supersedes** 74LVC2G125 v.14 20130329 Product data sheet 74LVC2G125 v.13 \_ Modifications: For type number 74LVC2G125GD XSON8U has changed to XSON8. 74LVC2G125 v.13 74LVC2G125 v.12 20120622 Product data sheet Modifications: For type number 74LVC2G125GM the SOT code has changed to SOT902-2. 74LVC2G125 v.12 20111201 Product data sheet 74LVC2G125 v.11 -Modifications: Legal pages 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 Product specification 74LVC2G125 v.2 20040109 \_ 74LVC2G125 v.2 Product specification 74LVC2G125 v.1 20030901 -74LVC2G125 v.1 20030310 Product specification \_ -

## 16. Legal information

### 16.1 Data sheet status

Document status[1][2]	Product status <sup>[3]</sup>	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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### Dual bus buffer/line driver; 3-state

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Date of release: 29 March 2013 Document identifier: 74LVC2G125

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