74LVC1G125

Bus buffer/line driver; 3-state

Rev. 13 — 6 November 2017 Product data sheet

1 General description

The 74LVC1G125 provides one non-inverting buffer/line driver with 3-state output. The 3-state output is controlled by the output enable input ($\overline{OE}$). A HIGH-level at pin $\overline{OE}$ 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_{OFF}. The I_{OFF} circuitry disables the output, preventing the 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
- 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)
- ±24 mA output drive (V_{CC} = 3.0 V)
- ESD protection:
  - HBM JESD22-A114F exceeds 2 000 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

nexperia

3 Ordering information

Table 1. Ordering information

Type number	Package			
	Temperature range	Name	Description	Version
74LVC1G125GW	-40 °C to +125 °C	TSSOP5	plastic thin shrink small outline package; 5 leads; body width 1.25 mm	SOT353-1
74LVC1G125GV	-40 °C to +125 °C	SC-74A	plastic surface-mounted package; 5 leads	SOT753
74LVC1G125GM	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1.45 x 0.5 mm	SOT886
74LVC1G125GF	-40 °C to +125 °C	XSON6	plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1 x 0.5 mm	SOT891
74LVC1G125GN	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 0.9 x 1.0 x 0.35 mm	SOT1115
74LVC1G125GS	-40 °C to +125 °C	XSON6	extremely thin small outline package; no leads; 6 terminals; body 1.0 x 1.0 x 0.35 mm	SOT1202
74LVC1G125GX	-40 °C to +125 °C	X2SON5	X2SON5: plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 x 0.8 x 0.35 mm	SOT1226

4 Marking

Table 2. Marking

Type number	Marking code[1]
74LVC1G125GW	VM
74LVC1G125GV	V25
74LVC1G125GM	VM
74LVC1G125GF	VM
74LVC1G125GN	VM
74LVC1G125GS	VM
74LVC1G125GX	VM

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

5 Functional diagram

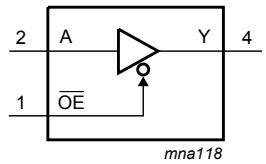


Figure 1. Logic symbol

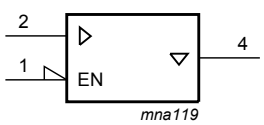


Figure 2. IEC logic symbol

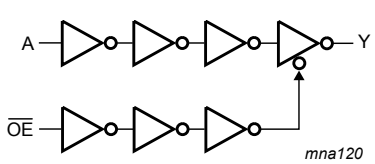


Figure 3. Logic diagram

6 Pinning information

6.1 Pinning

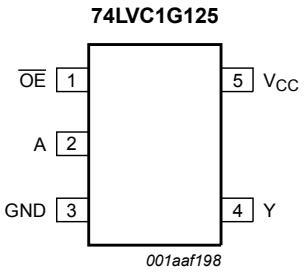
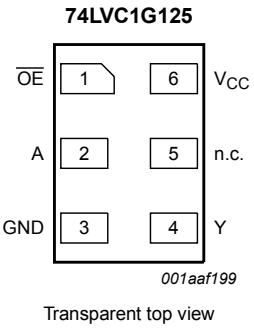
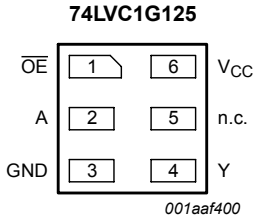


Figure 4. Pin configuration SOT353-1 and SOT753



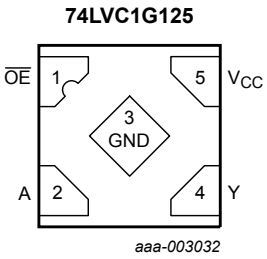
Transparent top view

Figure 5. Pin configuration SOT886



Transparent top view

Figure 6. Pin configuration SOT891, SOT1115 and SOT1202



Transparent top view

Figure 7. Pin configuration SOT1226 (X2SON5)

6.2 Pin description

Table 3. Pin description

Symbol	Pin		Description
	TSSOP5, SC-74A and X2SON5	XSON6	
$\overline{OE}$	1	1	output enable input
A	2	2	data input
GND	3	3	ground (0 V)
Y	4	4	data output
n.c.	-	5	not connected
V_{CC}	5	6	supply voltage

7 Functional description

Table 4. Function table

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

Input		Output
$\overline{OE}$	A	Y
L	L	L
L	H	H
H	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_{CC}	supply voltage		-0.5	+6.5	V
I_{IK}	input clamping current	$V_I < 0$ V	-50	-	mA
V_I	input voltage	[1]	-0.5	+6.5	V
I_{OK}	output clamping current	$V_O > V_{CC}$ or $V_O < 0$ V	-	±50	mA
V_O	output voltage	Active mode [1] [2]	-0.5	V_{CC} + 0.5	V
		Power-down mode [1] [2]	-0.5	+6.5	V
I_O	output current	V_O = 0 V to V_{CC}	-	±50	mA
I_{CC}	supply current		-	100	mA
I_{GND}	ground current		-100	-	mA
P_{tot}	total power dissipation	T_{amb} = -40 °C to +125 °C [3]	-	250	mW
T_{stg}	storage temperature		-65	+150	°C

[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.
[3] For TSSOP5 and SC-74A packages: above 87.5 °C the value of P_{tot} derates linearly with 4.0 mW/K.
For XSON6 and X2SON5 package: above 118 °C the value of P_{tot} derates linearly with 7.8 mW/K.

9 Recommended operating conditions

Table 6. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V_{CC}	supply voltage		1.65	-	5.5	V
V_I	input voltage		0	-	5.5	V
V_O	output voltage	Active mode	0	-	V_{CC}	V
		V_{CC} = 0 V; Power-down mode	0	-	5.5	V
T_{amb}	ambient temperature		-40	-	+125	°C

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
$\Delta t/\Delta V$	input transition rise and fall rate	V_{CC} = 1.65 V to 2.7 V	-	-	20	ns/V
		V_{CC} = 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).

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	0.65 × V_{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	0.7 × V_{CC}	-	-	V
V_{IL}	LOW-level input voltage	V_{CC} = 1.65 V to 1.95 V	-	-	0.35 × V_{CC}	V
		V_{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		V_{CC} = 2.7 V to 3.6 V	-	-	0.8	V
		V_{CC} = 4.5 V to 5.5 V	-	-	0.3 × V_{CC}	V
V_{OL}	LOW-level output voltage	V_I = V_{IH} or V_{IL}				
		V_{CC} = 1.65 V to 5.5 V; I_O = 100 µA	-	-	0.1	V
		V_{CC} = 1.65 V; I_O = 4 mA	-	-	0.45	V
		V_{CC} = 2.3 V; I_O = 8 mA	-	-	0.3	V
		V_{CC} = 2.7 V; I_O = 12 mA	-	-	0.4	V
		V_{CC} = 3.0 V; I_O = 24 mA	-	-	0.55	V
		V_{CC} = 4.5 V; I_O = 32 mA	-	-	0.55	V
V_{OH}	HIGH-level output voltage	V_I = V_{IH} or V_{IL}				
		V_{CC} = 1.65 V to 5.5 V; I_O = -100 µA	V_{CC} - 0.1	-	-	V
		V_{CC} = 1.65 V; I_O = -4 mA	1.2	-	-	V
		V_{CC} = 2.3 V; I_O = -8 mA	1.9	-	-	V
		V_{CC} = 2.7 V; I_O = -12 mA	2.2	-	-	V
		V_{CC} = 3.0 V; I_O = -24 mA	2.3	-	-	V
		V_{CC} = 4.5 V; I_O = -32 mA	3.8	-	-	V
I_I	input leakage current	V_{CC} = 0 V to 5.5 V; V_I = 5.5 V or GND	-	±0.1	±1	µA
I_{OZ}	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	±2	µA
I_{OFF}	power-off leakage current	V_{CC} = 0 V; V_I or V_O = 5.5 V	-	±0.1	±2	µA
I_{CC}	supply current	V_I = 5.5 V or GND; V_{CC} = 1.65 V to 5.5 V; I_O = 0 A	-	0.1	4	µA
ΔI_{CC}	additional supply current	per pin; V_{CC} = 2.3 V to 5.5 V; V_I = V_{CC} - 0.6 V; I_O = 0 A	-	5	500	µA
C_I	input capacitance		-	5	-	pF

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	0.65 × V_{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	0.7 × V_{CC}	-	-	V
V_{IL}	LOW-level input voltage	V_{CC} = 1.65 V to 1.95 V	-	-	0.35 × V_{CC}	V
		V_{CC} = 2.3 V to 2.7 V	-	-	0.7	V
		V_{CC} = 2.7 V to 3.6 V	-	-	0.8	V
		V_{CC} = 4.5 V to 5.5 V	-	-	0.3 × V_{CC}	V
V_{OL}	LOW-level output voltage	V_I = V_{IH} or V_{IL}				
		V_{CC} = 1.65 V to 5.5 V; I_O = 100 µA	-	-	0.1	V
		V_{CC} = 1.65 V; I_O = 4 mA	-	-	0.70	V
		V_{CC} = 2.3 V; I_O = 8 mA	-	-	0.45	V
		V_{CC} = 2.7 V; I_O = 12 mA	-	-	0.60	V
		V_{CC} = 3.0 V; I_O = 24 mA	-	-	0.80	V
		V_{CC} = 4.5 V; I_O = 32 mA	-	-	0.80	V
V_{OH}	HIGH-level output voltage	V_I = V_{IH} or V_{IL}				
		V_{CC} = 1.65 V to 5.5 V; I_O = -100 µA	V_{CC} - 0.1	-	-	V
		V_{CC} = 1.65 V; I_O = -4 mA	0.95	-	-	V
		V_{CC} = 2.3 V; I_O = -8 mA	1.7	-	-	V
		V_{CC} = 2.7 V; I_O = -12 mA	1.9	-	-	V
		V_{CC} = 3.0 V; I_O = -24 mA	2.0	-	-	V
		V_{CC} = 4.5 V; I_O = -32 mA	3.4	-	-	V
I_I	input leakage current	V_{CC} = 0 V to 5.5 V; V_I = 5.5 V or GND	-	-	±1	µA
I_{OZ}	OFF-state output current	V_{CC} = 3.6 V; V_I = V_{IH} or V_{IL}; V_O = 5.5 V or GND	-	-	±2	µA
I_{OFF}	power-off leakage current	V_{CC} = 0 V; V_I or V_O = 5.5 V	-	-	±2	µA
I_{CC}	supply current	V_I = 5.5 V or GND; V_{CC} = 1.65 V to 5.5 V; I_O = 0 A	-	-	4	µA
ΔI_{CC}	additional supply current	per pin; V_{CC} = 2.3 V to 5.5 V; V_I = V_{CC} - 0.6 V; I_O = 0 A	-	-	500	µA

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

11 Dynamic characteristics

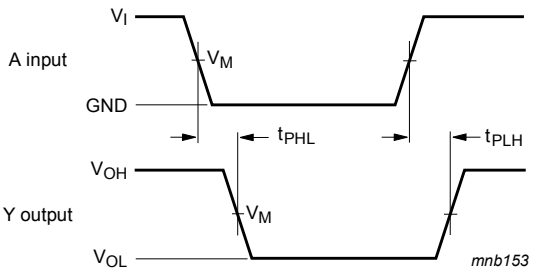
Table 8. Dynamic characteristics

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

Symbol	Parameter	Conditions	-40 °C to +85 °C			-40 °C to +125 °C		Unit
			Min	Typ[1]	Max	Min	Max	
t_{pd}	propagation delay	A to Y; see Figure 8 [2]						
		V_{CC} = 1.65 V to 1.95 V	1.0	3.3	8.0	1.0	10.5	ns
		V_{CC} = 2.3 V to 2.7 V	0.5	2.2	5.5	0.5	7	ns
		V_{CC} = 2.7 V	0.5	2.5	5.5	0.5	7	ns
		V_{CC} = 3.0 V to 3.6 V	0.5	2.1	4.5	0.5	6	ns
		V_{CC} = 4.5 V to 5.5 V	0.5	1.7	4.0	0.5	5.5	ns
t_{en}	enable time	$\overline{OE}$ to Y; see Figure 9 [3]						
		V_{CC} = 1.65 V to 1.95 V	1.0	4.1	9.4	1.0	12	ns
		V_{CC} = 2.3 V to 2.7 V	0.5	2.8	6.6	0.5	8.5	ns
		V_{CC} = 2.7 V	0.5	3.3	6.6	0.5	8.5	ns
		V_{CC} = 3.0 V to 3.6 V	0.5	2.4	5.3	0.5	7	ns
		V_{CC} = 4.5 V to 5.5 V	0.5	2.1	5.0	0.5	6.5	ns
t_{dis}	disable time	$\overline{OE}$ to Y; see Figure 9 [4]						
		V_{CC} = 1.65 V to 1.95 V	1.0	4.3	9.2	1.0	12	ns
		V_{CC} = 2.3 V to 2.7 V	0.5	2.7	5.0	0.5	6.5	ns
		V_{CC} = 2.7 V	0.5	3.0	5.0	0.5	6.5	ns
		V_{CC} = 3.0 V to 3.6 V	0.5	3.1	5.0	0.5	6.5	ns
		V_{CC} = 4.5 V to 5.5 V	0.5	2.2	4.2	0.5	5.5	ns
C_{PD}	power dissipation capacitance	per buffer; V_I = GND to V_{CC} [5]						
		output enabled	-	25	-	-	-	pF
		output disabled	-	6	-	-	-	pF

[1] 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.
[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 µW).
$P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \sum(C_L \times V_{CC}^2 \times f_o)$ where:
f_i = input frequency in MHz;
f_o = output frequency in MHz;
C_L = output load capacitance in pF;
V_{CC} = supply voltage in V;
N = number of inputs switching;
$\sum(C_L \times V_{CC}^2 \times f_o)$ = sum of outputs.

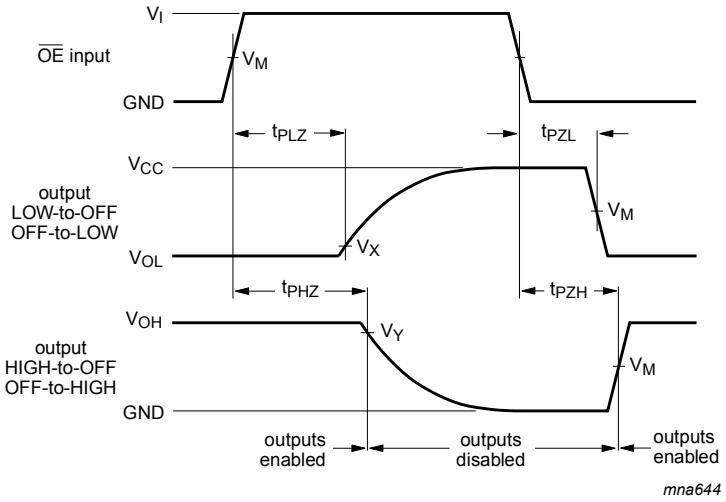
11.1 Waveforms and test circuit



Measurement points are given in Table 9.

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

Figure 8. Input A to output Y propagation delay times



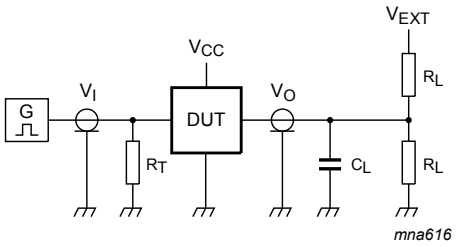
Measurement points are given in Table 9.

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

Figure 9. 3-state enable and disable times

Table 9. Measurement points

Supply voltage	Input	Output		
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



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_o of the pulse generator.

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

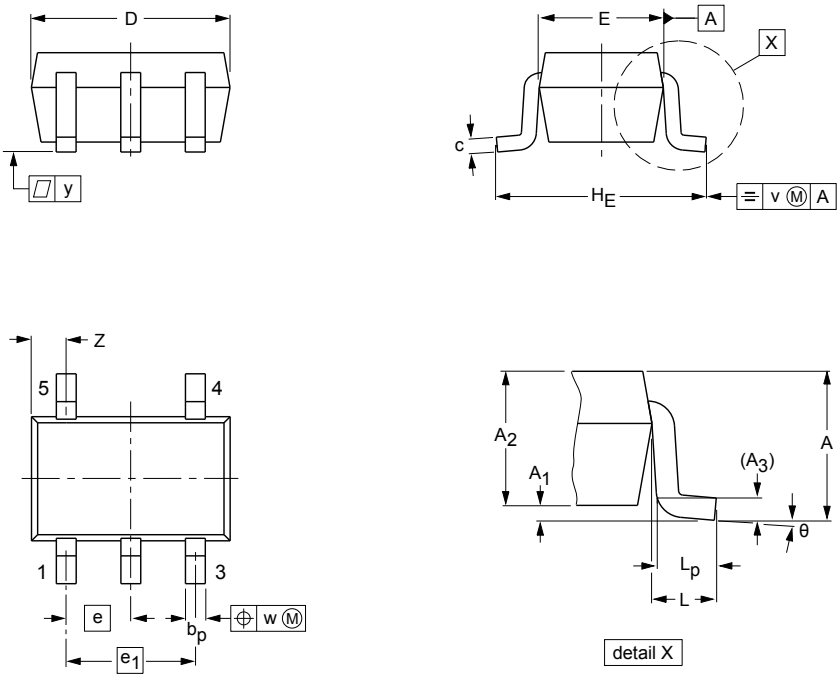
Figure 10. Test circuit for measuring switching times

Table 10. Test data

Supply voltage	Input		Load		V_{EXT}		
V_{CC}	V_I	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}	≤ 2.0 ns	30 pF	1 kΩ	open	GND	$2V_{CC}$
2.3 V to 2.7 V	V_{CC}	≤ 2.0 ns	30 pF	500 Ω	open	GND	$2V_{CC}$
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	$2V_{CC}$

12 Package outline

TSSOP5: plastic thin shrink small outline package; 5 leads; body width 1.25 mm **SOT353-1**



DIMENSIONS (mm are the original dimensions)

UNIT	A max.	A_1	A_2	A_3	b_p	c	$D^{(1)}$	$E^{(1)}$	e	e_1	H_E	L	L_p	v	w	y	$Z^{(1)}$	θ
mm	1.1	0.1 0	1.0 0.8	0.15	0.30 0.15	0.25 0.08	2.25 1.85	1.35 1.15	0.65	1.3	2.25 2.0	0.425	0.46 0.21	0.3	0.1	0.1	0.60 0.15	7° 0°

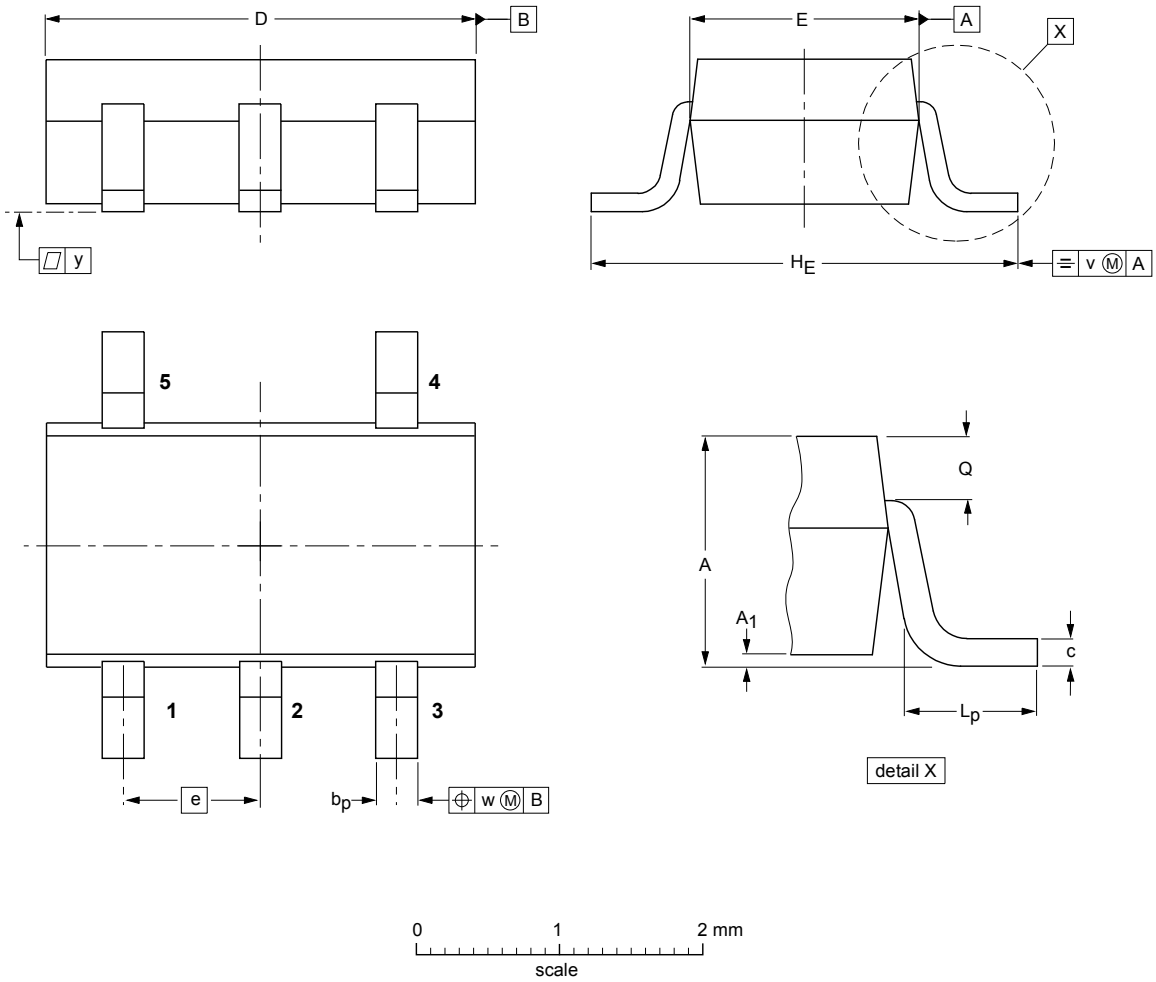
Note

1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT353-1		MO-203	SC-88A			~~00-09-01~~ 03-02-19

Figure 11. Package outline SOT353-1 (TSSOP5)

Plastic surface-mounted package; 5 leads **SOT753**



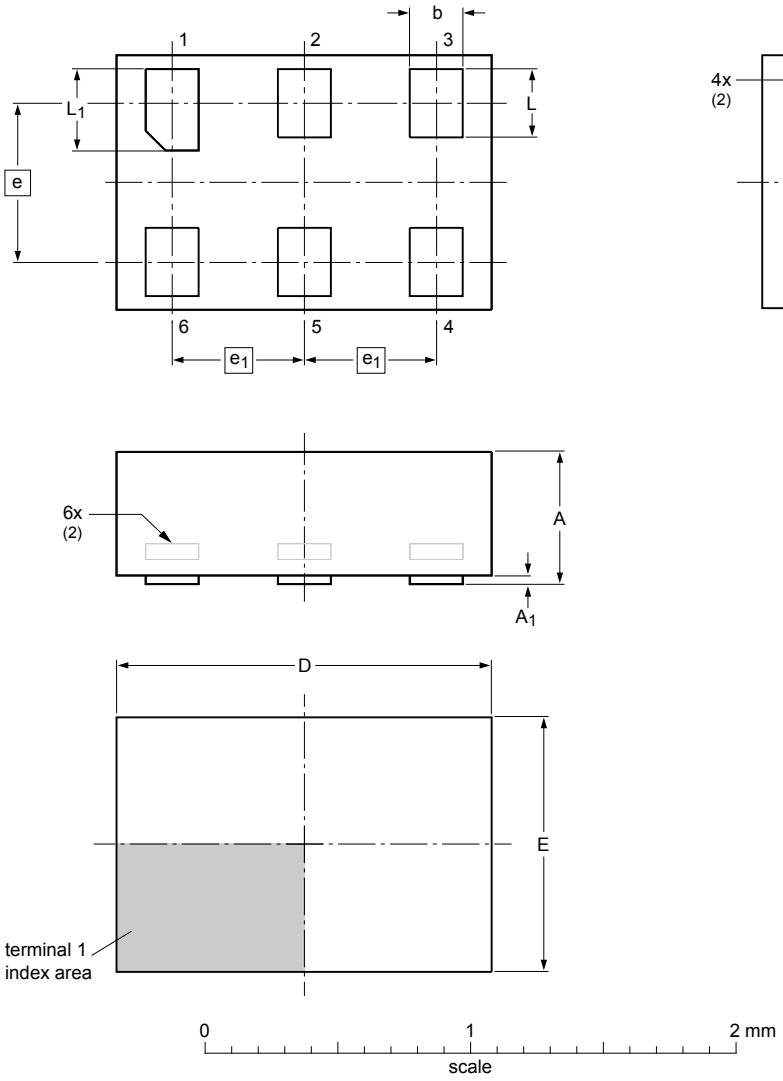
DIMENSIONS (mm are the original dimensions)

UNIT	A	A_1	b_p	c	D	E	e	H_E	L_p	Q	v	w	y
mm	1.1 0.9	0.100 0.013	0.40 0.25	0.26 0.10	3.1 2.7	1.7 1.3	0.95	3.0 2.5	0.6 0.2	0.33 0.23	0.2	0.2	0.1

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT753			SC-74A			~~02-04-16~~ 06-03-16

Figure 12. Package outline SOT753

XSON6: plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1.45 x 0.5 mm SOT886



Dimensions (mm are the original dimensions)

Unit		A(1)	A1	b	D	E	e	e1	L	L1
	max	0.5	0.04	0.25	1.50	1.05			0.35	0.40
mm	nom			0.20	1.45	1.00	0.6	0.5	0.30	0.35
	min			0.17	1.40	0.95			0.27	0.32

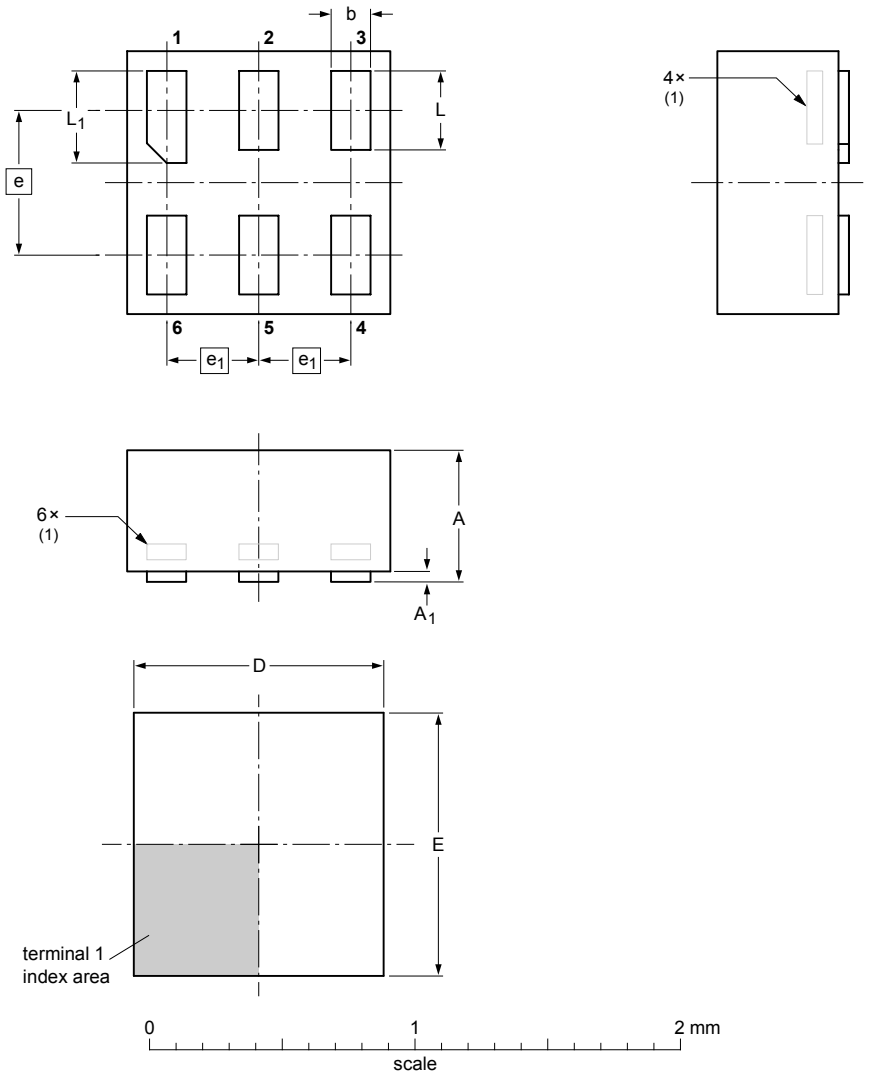
Notes
1. Including plating thickness.
2. Can be visible in some manufacturing processes.

sot886_po

Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT886		MO-252				~~04-07-22~~ 12-01-05

Figure 13. Package outline SOT886 (XSON6)

XSON6: plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1 x 0.5 mm **SOT891**



DIMENSIONS (mm are the original dimensions)

UNIT	A max	A_1 max	b	D	E	e	e_1	L	L_1
mm	0.5	0.04	0.20 0.12	1.05 0.95	1.05 0.95	0.55	0.35	0.35 0.27	0.40 0.32

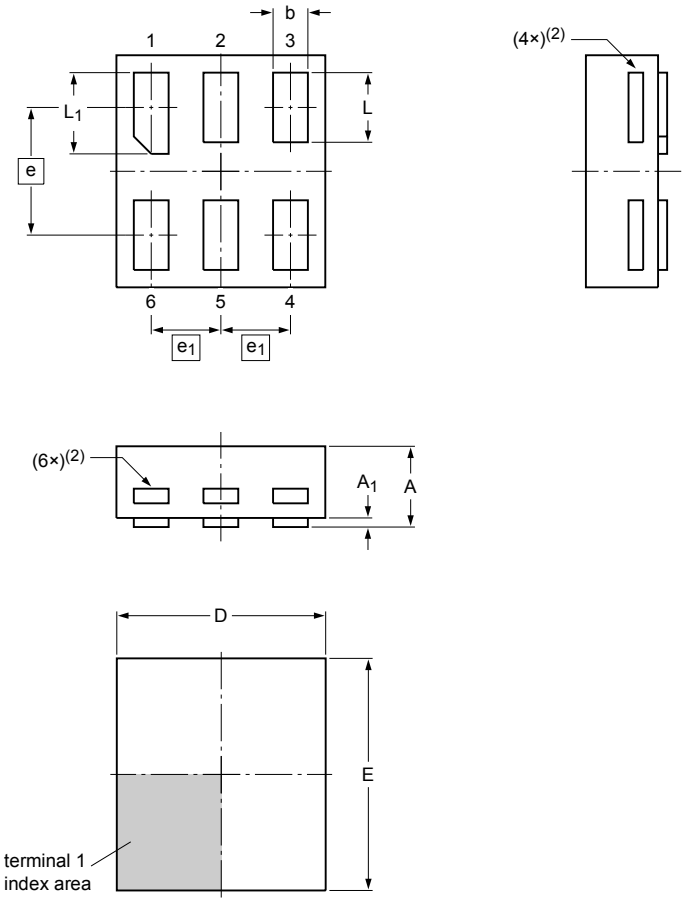
Note

1. Can be visible in some manufacturing processes.

OUTLINE VERSION	REFERENCES				EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	JEITA			
SOT891						~~05-04-06~~ 07-05-15

Figure 14. Package outline SOT891 (XSON6)

XSON6: extremely thin small outline package; no leads; 6 terminals; body 0.9 x 1.0 x 0.35 mm **SOT1115**



Dimensions

Unit		$A^{(1)}$	A_1	b	D	E	e	e_1	L	L_1
mm	max	0.35	0.04	0.20	0.95	1.05			0.35	0.40
	nom			0.15	0.90	1.00	0.55	0.3	0.30	0.35
	min			0.12	0.85	0.95			0.27	0.32

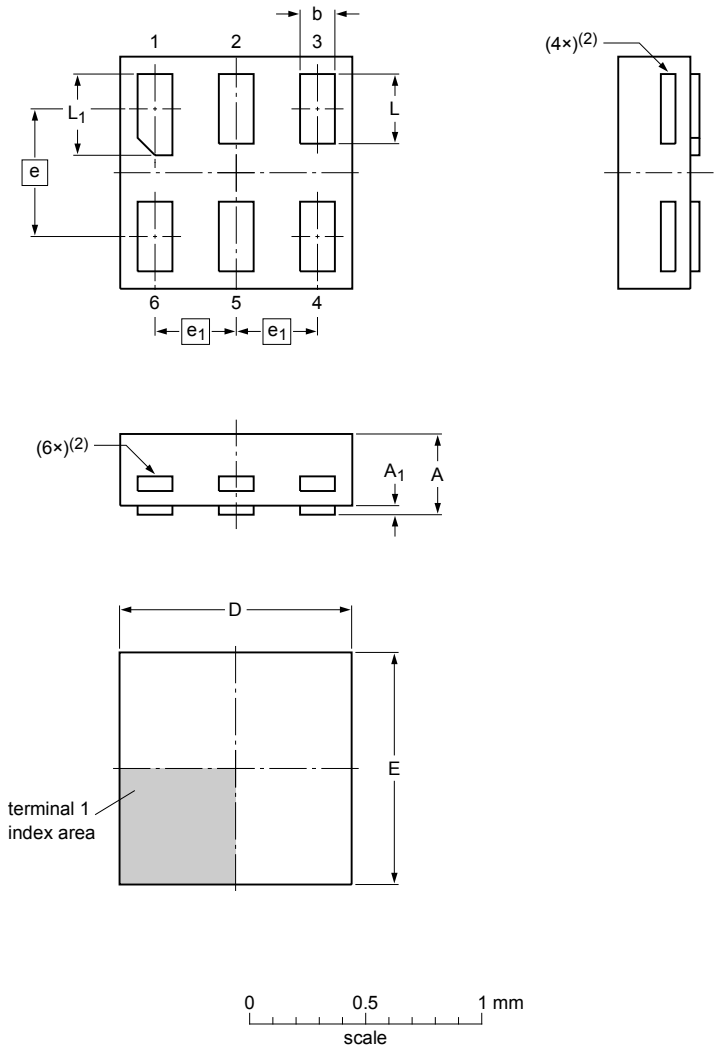
Note
1. Including plating thickness.
2. Visible depending upon used manufacturing technology.

sot1115_po

Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT1115						~~10-04-02~~ 10-04-07

Figure 15. Package outline SOT1115 (XSON6)

XSON6: extremely thin small outline package; no leads; 6 terminals; body 1.0 x 1.0 x 0.35 mm **SOT1202**



Dimensions

Unit		$A^{(1)}$	A_1	b	D	E	e	e_1	L	L_1
mm	max	0.35	0.04	0.20	1.05	1.05			0.35	0.40
	nom			0.15	1.00	1.00	0.55	0.35	0.30	0.35
	min			0.12	0.95	0.95			0.27	0.32

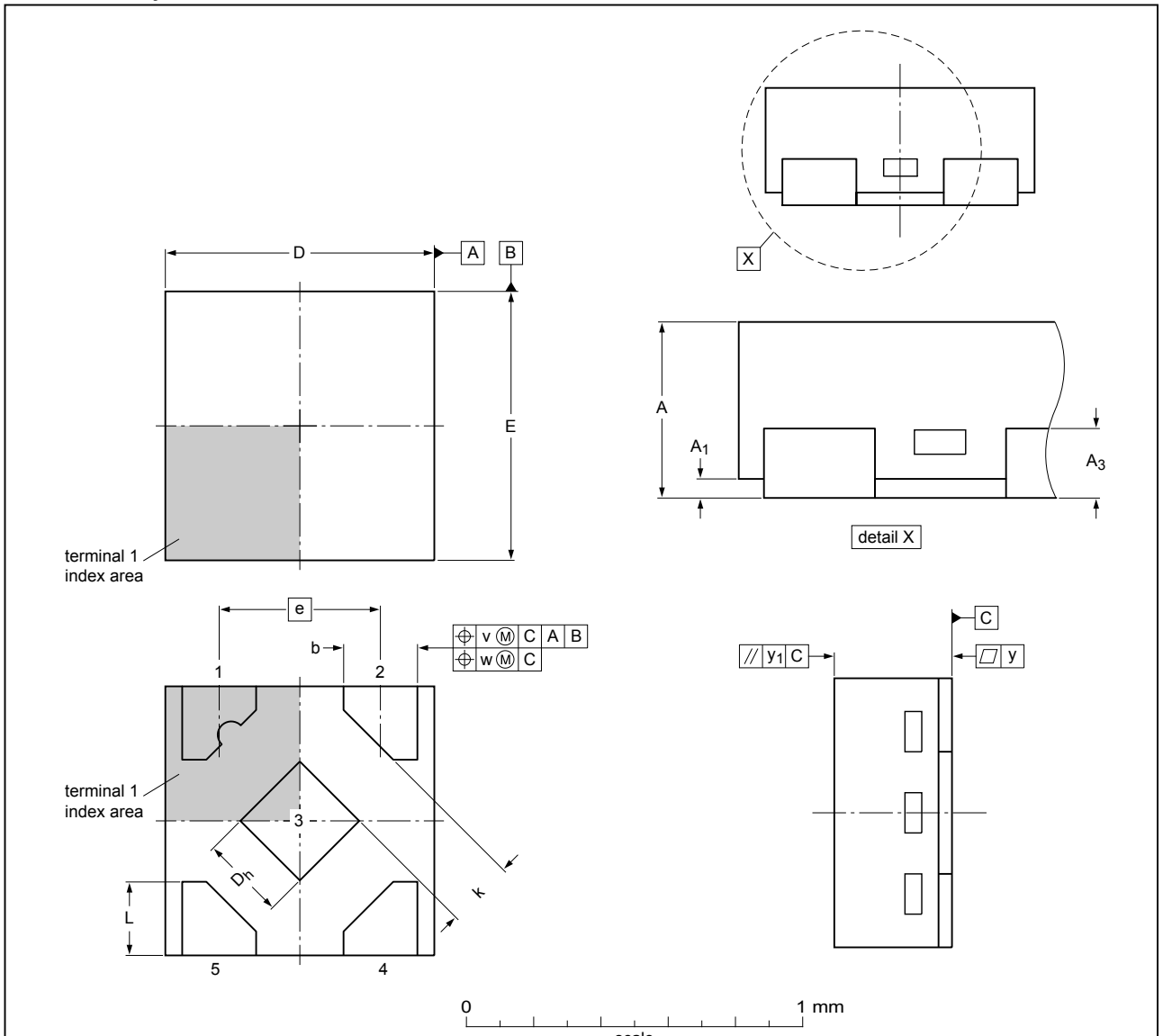
Note
1. Including plating thickness.
2. Visible depending upon used manufacturing technology.

sot1202_po

Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT1202						~~10-04-02~~ 10-04-06

Figure 16. Package outline SOT1202 (XSON6)

X2SON5: plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 x 0.8 x 0.35 mm **SOT1226**



Dimensions

Unit		$A^{(1)}$	A_1	A_3	D	D_h	E	b	e	k	L	v	w	y	y_1
mm	max	0.35	0.04	0.128	0.85	0.30	0.85	0.27			0.27				
	nom				0.80	0.25	0.80	0.22	0.48		0.22	0.1	0.05	0.05	0.05
	min			0.040	0.75	0.20	0.75	0.17		0.20	0.17				

Note
1. Dimension A is including plating thickness.
2. Plastic or metal protrusions of 0.075 mm maximum per side are not included.

sot1226_po

Outline version	References				European projection	Issue date
	IEC	JEDEC	EIAJ			
SOT1226						~~12-04-10~~ 12-04-25

Figure 17. Package outline SOT1226 (X2SON5)

13 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

14 Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74LVC1G125 v.13	20171107	Product data sheet	-	74LVC1G125 v.12
Modifications:	• The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia. • Legal texts have been adapted to the new company name where appropriate.			
74LVC1G125 v.12	20161202	Product data sheet	-	74LVC1G125 v.11
Modifications:	• Table 7: The maximum limits for leakage current and supply current have changed.			
74LVC1G125 v.11	20120702	Product data sheet	-	74LVC1G125 v.10
Modifications:	• Added type number 74LVC1G125GX (SOT1226) • Package outline drawing of SOT886 (Figure 13) modified.			
74LVC1G125 v.10	20111207	Product data sheet	-	74LVC1G125 v.9
Modifications:	• Legal pages updated.			
74LVC1G125 v.9	20101229	Product data sheet	-	74LVC1G125 v.8
74LVC1G125 v.8	20100824	Product data sheet	-	74LVC1G125 v.7
74LVC1G125 v.7	20070830	Product data sheet	-	74LVC1G125 v.6
74LVC1G125 v.6	20060912	Product data sheet	-	74LVC1G125 v.5
74LVC1G125 v.5	20040915	Product specification	-	74LVC1G125 v.4
74LVC1G125 v.4	20021118	Product specification	-	74LVC1G125 v.3
74LVC1G125 v.3	20020528	Product specification	-	74LVC1G125 v.2
74LVC1G125 v.2	20010406	Product specification	-	74LVC1G125 v.1
74LVC1G125 v.1	20001222	Product specification	-	-

15 Legal information

15.1 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.nexperia.com.

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