74LV132

Quad 2-input NAND Schmitt trigger Rev. 6 — 9 December 2015

Product data sheet

General description 1.

The 74LV132 is a low-voltage Si-gate CMOS device that is pin and function compatible with 74HC132 and 74HCT132.

The 74LV132 contains four 2-input NAND gates which accept standard input signals. They are capable of transforming slowly changing input signals into sharply defined, jitter-free output signals.

The gate switches at different points for positive and negative-going signals. The difference between the positive voltage V_{T+} and the negative voltage V_{T-} is defined as the input hysteresis voltage V_H.

Features and benefits 2.

- Wide operating voltage: 1.0 V to 5.5 V
- Optimized for low voltage applications: 1.0 V to 3.6 V
- Accepts TTL input levels between V_{CC} = 2.7 V and V_{CC} = 3.6 V
- Typical output ground bounce < 0.8 V at V_{CC} = 3.3 V and T_{amb} = 25 °C
- Typical HIGH-level output voltage (V_{OH}) undershoot: > 2 V at V_{CC} = 3.3 V and $T_{amb} = 25 \, ^{\circ}C$
- ESD protection:
 - HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
- Multiple package options
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C

Applications 3.

- Wave and pulse shapers for highly noisy environments
- Astable multivibrators
- Monostable multivibrators



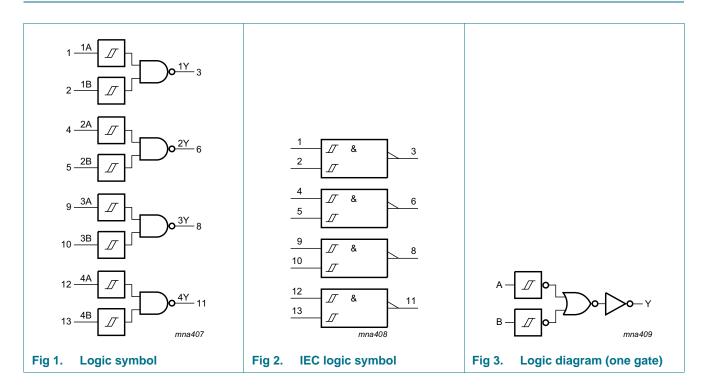
Quad 2-input NAND Schmitt trigger

4. Ordering information

Table 1. Ordering information

Type number	Package			
	Temperature range	Name	Description	Version
74LV132D	–40 °C to +125 °C	SO14	plastic small outline package; 14 leads; body width 3.9 mm	SOT108-1
74LV132DB	–40 °C to +125 °C	SSOP14	plastic shrink small outline package; 14 leads; body width 5.3 mm	SOT337-1
74LV132PW	-40 °C to +125 °C	TSSOP14	plastic thin shrink small outline package; 14 leads; body width 4.4 mm	SOT402-1
74LV132BQ	-40 °C to +125 °C	DHVQFN14	plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body $2.5 \times 3 \times 0.85$ mm	SOT762-1

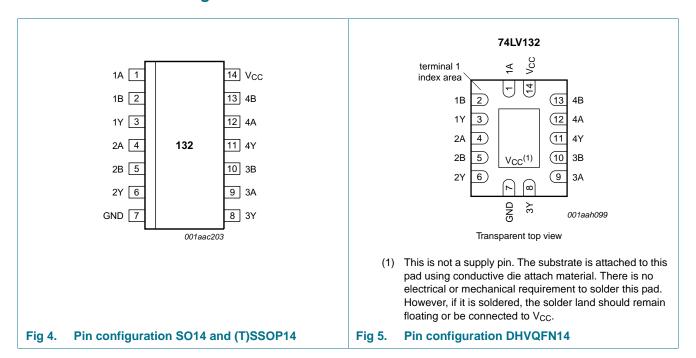
5. Functional diagram



Quad 2-input NAND Schmitt trigger

6. Pinning information

6.1 Pinning



6.2 Pin description

Table 2. Pin description

Symbol	Pin	Description
1A to 4A	1, 4, 9, 12	data input
1B to 4B	2, 5, 10, 13	data input
1Y to 4Y	3, 6, 8, 11	data output
GND	7	ground (0 V)
V _{CC}	14	supply voltage

7. Functional description

Table 3. Function table

H = HIGH voltage level; L = LOW voltage level.

Input	Output	
nA	nB	nY
L	L	Н
L	Н	Н
Н	L	Н
Н	Н	L

Quad 2-input NAND Schmitt trigger

8. Limiting values

Table 4. 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	+7.0	V
I _{IK}	input clamping current	$V_{I} < -0.5 \text{ V or } V_{I} > V_{CC} + 0.5 \text{ V}$	<u>[1]</u>	-	±20	mA
I _{OK}	output clamping current	$V_O < -0.5 \text{ V or } V_O > V_{CC} + 0.5 \text{ V}$	<u>[1]</u>	-	±50	mA
Io	output current	$V_{O} = -0.5 \text{ V to } (V_{CC} + 0.5 \text{ V})$		-	±25	mA
I _{CC}	supply current			-	50	mA
I _{GND}	ground current			-50	-	mA
T _{stg}	storage temperature			-65	+150	°C
P _{tot}	total power dissipation	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$				
		SO14 package	[2]	-	500	mW
		(T)SSOP14 package	[3]	-	500	mW
		DHVQFN14 package	<u>[4]</u>	-	500	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 5. Recommended operating conditions

Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
V _{CC}	supply voltage[1]		1.0	3.3	5.5	V
VI	input voltage		0	-	V _{CC}	V
Vo	output voltage		0	-	V _{CC}	V
T _{amb}	ambient temperature		-40	+25	+125	°C

^[1] The static characteristics are guaranteed from V_{CC} = 1.2 V to V_{CC} = 5.5 V, but LV devices are guaranteed to function down to V_{CC} = 1.0 V (with input levels GND or V_{CC}).

^[2] Ptot derates linearly with 8 mW/K above 70 °C.

^[3] Ptot derates linearly with 5.5 mW/K above 60 °C.

^[4] Ptot derates linearly with 4.5 mW/K above 60 °C.

Quad 2-input NAND Schmitt trigger

10. Static characteristics

Table 6. Static characteristics

Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	-40	-40 °C to +85 °C			-40 °C to +125 °C		
			Min	Typ[1]	Max	Min	Max		
V _{OH}	HIGH-level output voltage	$V_I = V_{T+}$ or V_{T-}							
		$I_{O} = -100 \mu A$; $V_{CC} = 1.2 V$	-	1.2	-	-	-	V	
		$I_{O} = -100 \mu A; V_{CC} = 2.0 V$	1.8	2.0	-	1.8	-	V	
		$I_{O} = -100 \mu A; V_{CC} = 2.7 V$	2.5	2.7	-	2.5	-	V	
		$I_O = -100 \mu A; V_{CC} = 3.0 V$	2.8	3.0	-	2.8	-	V	
		$I_O = -100 \mu A; V_{CC} = 4.5 V$	4.3	4.5	-	4.3	-	V	
		$I_{O} = -6 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.4	2.82	-	2.2	-	V	
		$I_{O} = -12 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.6	4.2	-	3.5	-	V	
V _{OL}	LOW-level output voltage	$V_I = V_{T+}$ or V_{T-}							
		$I_O = 100 \mu A; V_{CC} = 1.2 V$	-	0	-	-	-	V	
		$I_O = 100 \mu A; V_{CC} = 2.0 V$	-	0	0.2	-	0.2	V	
		$I_O = 100 \mu A; V_{CC} = 2.7 V$	-	0	0.2	-	0.2	V	
		$I_O = 100 \mu A; V_{CC} = 3.0 \text{ V}$	-	0	0.2	-	0.2	V	
		$I_O = 100 \mu A; V_{CC} = 4.5 V$	-	0	0.2	-	0.2	V	
		$I_O = 6 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	0.25	0.40	-	0.50	V	
		$I_O = 12 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	0.35	0.55	-	0.65	V	
I _I	input leakage current	$V_I = V_{CC}$ or GND; $V_{CC} = 5.5 \text{ V}$	-	-	1.0	-	1.0	μΑ	
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 5.5 \text{ V}$	-	-	20.0	-	40	μΑ	
Δl _{CC}	additional supply current	per input; $V_I = V_{CC} - 0.6 \text{ V}$; $V_{CC} = 2.7 \text{ V}$ to 3.6 V	-	-	500	-	850	μΑ	
Cı	input capacitance		-	3.5	-	-	-	pF	

^[1] Typical values are measured at T_{amb} = 25 $^{\circ}C.$

Quad 2-input NAND Schmitt trigger

11. Dynamic characteristics

Table 7. Dynamic characteristics

GND = 0 V; For test circuit see Figure 7.

Symbol	Parameter	Conditions		-40 °C to +85 °C		–40 °C t	o +125 °C	Unit	
				Min	Typ[1]	Max	Min	Max	
t _{pd}	propagation delay	nA, nB to nY; see Figure 6	[2]						
		V _{CC} = 1.2 V		-	65	-	-	-	ns
		V _{CC} = 2.0 V		-	18	34	-	43	ns
		V _{CC} = 2.7 V		-	15	24	-	30	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V; } C_L = 15 \text{ pF}$	[3]	-	10	-	-	-	ns
		V _{CC} = 3.0 V to 3.6 V	[3]	-	12	20	-	25	ns
		V _{CC} = 4.5 V to 5.5 V	[3]	-	9.0	14	-	17	ns
C _{PD}	power dissipation capacitance	$C_L = 50 \text{ pF}; f_i = 1 \text{ MHz};$ $V_I = \text{GND to } V_{CC}$	[4]	-	24	-	-	-	pF

- [1] All typical values are measured at $T_{amb} = 25$ °C.
- [2] t_{pd} is the same as t_{PLH} and t_{PHL} .
- [3] Typical values are measured at nominal supply voltage ($V_{CC} = 3.3 \text{ V}$ and $V_{CC} = 5.0 \text{ V}$).
- [4] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

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

 f_i = input frequency in MHz, f_o = output frequency in MHz

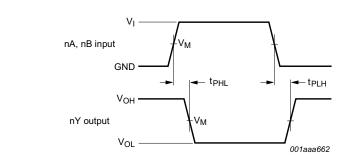
 C_L = output load capacitance in pF

V_{CC} = supply voltage in V

N = number of inputs switching

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

12. Waveforms



Measurement points are given in Table 8.

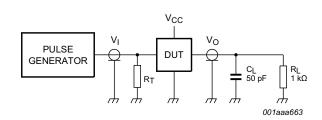
V_{OL} and V_{OH} are typical voltage output levels that occur with the output load.

Fig 6. The input (nA, nB) to output (nY) propagation delays

Quad 2-input NAND Schmitt trigger

Table 8. Measurement points

Supply voltage	Input	Output
V _{CC}	V _M	V _M
< 2.7 V	0.5V _{CC}	0.5V _{CC}
2.7 V to 3.6 V	1.5 V	1.5 V
≥ 4.5 V	0.5V _{CC}	0.5V _{CC}



Test data is given in Table 9.

Definitions test circuit:

 R_T = Termination resistance should be equal to output impedance Z_0 of the pulse generator.

R_L = Load resistance.

C_L = Load capacitance including jig and probe capacitance.

Fig 7. Test circuit for measuring switching times

Table 9. Test data

Supply voltage	nput				
V _{CC}	V _I	t_r, t_f			
< 2.7 V	V _{CC}	≤ 2.5 ns			
2.7 V to 3.6 V	2.7 V	≤ 2.5 ns			
≥ 4.5 V	V _{CC}	≤ 2.5 ns			

13. Transfer characteristics

Table 10. Transfer characteristics

GND = 0 V; For test circuit see Figure 7.

Symbol	Parameter	Conditions	-40 °C to +85 °C		–40 °C t	o +125 °C	Unit	
			Min	Typ[1]	Max	Min	Max	
V_{T+}	positive-going	see Figure 6						
	threshold voltage	V _{CC} = 1.2 V	-	0.70	-	-	-	V
		V _{CC} = 2.0 V	0.8	1.10	1.4	0.8	1.4	V
		V _{CC} = 2.7 V	1.0	1.45	2.0	1.0	2.0	V
		V _{CC} = 3.0 V	1.2	1.60	2.2	1.2	2.2	V
		V _{CC} = 3.6 V	1.5	1.95	2.4	1.5	2.4	V
		V _{CC} = 4.5 V	1.7	2.50	3.2	1.7	3.2	V
		V _{CC} = 5.5 V	2.1	3.00	3.9	2.1	3.9	V

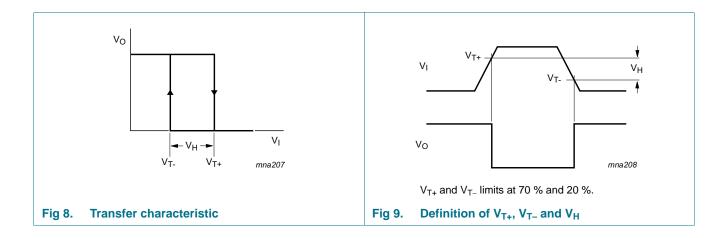
Quad 2-input NAND Schmitt trigger

Table 10. Transfer characteristics ...continued GND = 0 V; For test circuit see <u>Figure 7</u>.

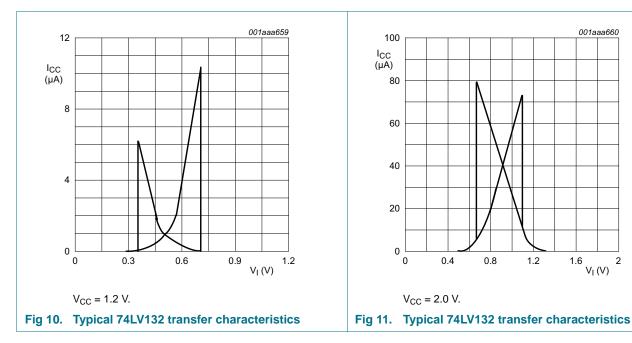
Symbol	Parameter	Conditions	-40	°C to +85	5 °C	–40 °C t	Unit	
			Min	Typ[1]	Max	Min	Max	
V_{T-}	negative-going	see Figure 6						
	threshold voltage	V _{CC} = 1.2 V	-	0.34	-	-	-	V
		V _{CC} = 2.0 V	0.3	0.65	0.9	0.3	0.9	V
		V _{CC} = 2.7 V	0.4	0.90	1.4	0.4	1.4	V
		V _{CC} = 3.0 V	0.6	1.05	1.5	0.6	1.5	V
		V _{CC} = 3.6 V	0.8	1.30	1.8	0.8	1.8	V
		V _{CC} = 4.5 V	0.9	1.60	2.0	0.9	2.0	V
		V _{CC} = 5.5 V	1.2	2.00	2.6	1.2	2.6	V
V_{H}	hysteresis voltage	(V _{T+} – V _{T-}); see <u>Figure 6</u>						
		V _{CC} = 1.2 V	-	0.3	-	-	-	V
		V _{CC} = 2.0 V	0.2	0.55	0.8	0.2	0.8	V
		V _{CC} = 2.7 V	0.3	0.60	1.1	0.3	1.1	V
		V _{CC} = 3.0 V	0.4	0.65	1.2	0.4	1.2	V
		V _{CC} = 3.6 V	0.4	0.70	1.2	0.4	1.2	V
		V _{CC} = 4.5 V	0.4	0.80	1.4	0.4	1.4	V
		V _{CC} = 5.5 V	0.6	1.00	1.5	0.6	1.5	V

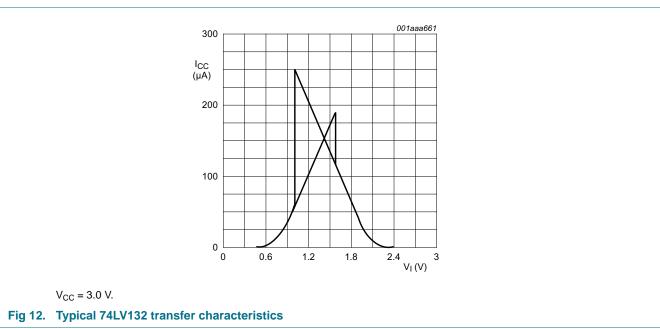
^[1] All typical values are measured at T_{amb} = 25 °C.

14. Waveforms transfer characteristics



Quad 2-input NAND Schmitt trigger



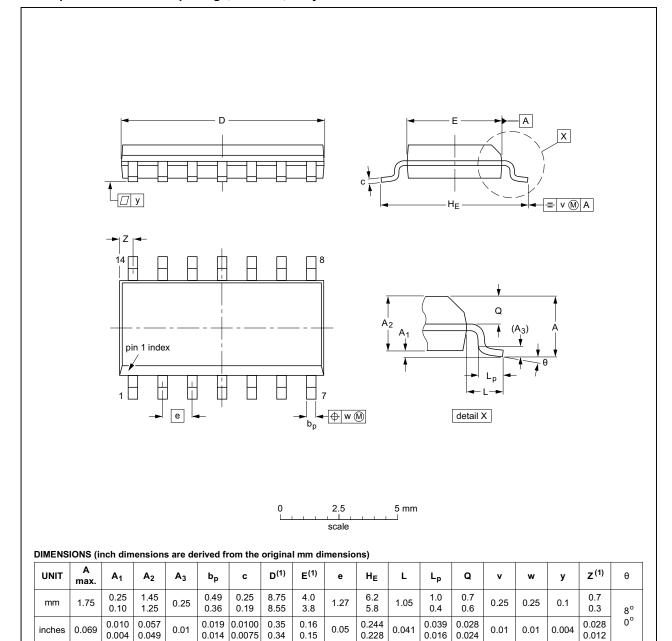


Quad 2-input NAND Schmitt trigger

15. Package outline

SO14: plastic small outline package; 14 leads; body width 3.9 mm

SOT108-1



Note

1. Plastic or metal protrusions of 0.15 mm (0.006 inch) maximum per side are not included.

OUTLINE		REFER	ENCES	EUROPEAN	ISSUE DATE	
VERSION	IEC	JEDEC	JEITA	PROJECTION	1330E DATE	
SOT108-1	076E06	MS-012			99-12-27 03-02-19	
					0	

Fig 13. Package outline SOT108-1 (SO14)

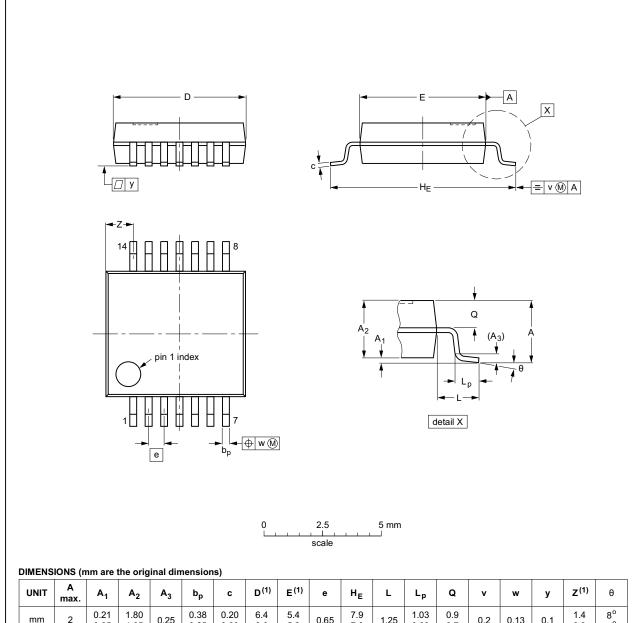
IV132

74LV132 **Nexperia**

Quad 2-input NAND Schmitt trigger

SSOP14: plastic shrink small outline package; 14 leads; body width 5.3 mm

SOT337-1



UNIT	A max.	A ₁	A ₂	A ₃	b _p	C	D ⁽¹⁾	E ⁽¹⁾	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
mm	2	0.21 0.05	1.80 1.65	0.25	0.38 0.25	0.20 0.09	6.4 6.0	5.4 5.2	0.65	7.9 7.6	1.25	1.03 0.63	0.9 0.7	0.2	0.13	0.1	1.4 0.9	8° 0°

Note

1. Plastic or metal protrusions of 0.25 mm maximum per side are not included.

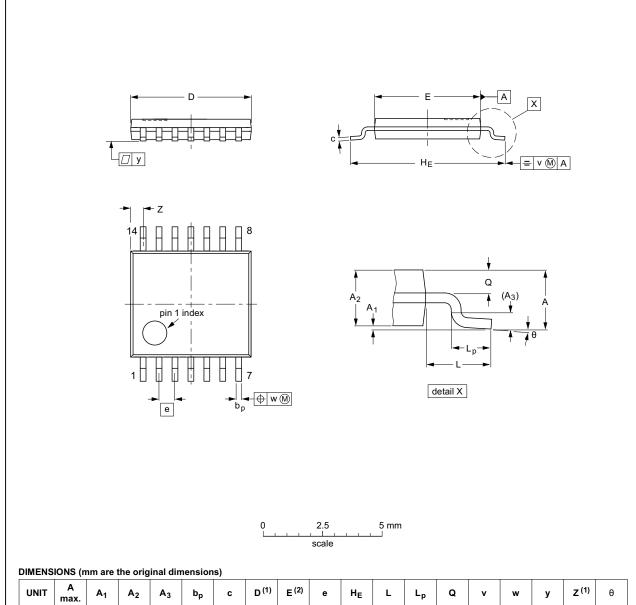
OUTLINE		REFER	EUROPEAN	ISSUE DATE		
VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE
SOT337-1		MO-150				99-12-27 03-02-19

Fig 14. Package outline SOT337-1 (SSOP14)

Quad 2-input NAND Schmitt trigger

TSSOP14: plastic thin shrink small outline package; 14 leads; body width 4.4 mm

SOT402-1



UNIT	A max.	A ₁	A ₂	A ₃	bp	С	D ⁽¹⁾	E (2)	е	HE	L	Lp	Q	٧	w	у	Z ⁽¹⁾	θ
mm	1.1	0.15 0.05	0.95 0.80	0.25	0.30 0.19	0.2 0.1	5.1 4.9	4.5 4.3	0.65	6.6 6.2	1	0.75 0.50	0.4 0.3	0.2	0.13	0.1	0.72 0.38	8° 0°

Notes

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

OUTLINE		REFER	EUROPEAN	ISSUE DATE		
VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE
SOT402-1		MO-153				-99-12-27 03-02-18
	VERSION	VERSION IEC	VERSION IEC JEDEC	VERSION IEC JEDEC JEITA	VERSION IEC JEDEC JEITA	VERSION IEC JEDEC JEITA PROJECTION

Fig 15. Package outline SOT402-1 (TSSOP14)

74LV132

Quad 2-input NAND Schmitt trigger

DHVQFN14: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body $2.5 \times 3 \times 0.85$ mm

SOT762-1

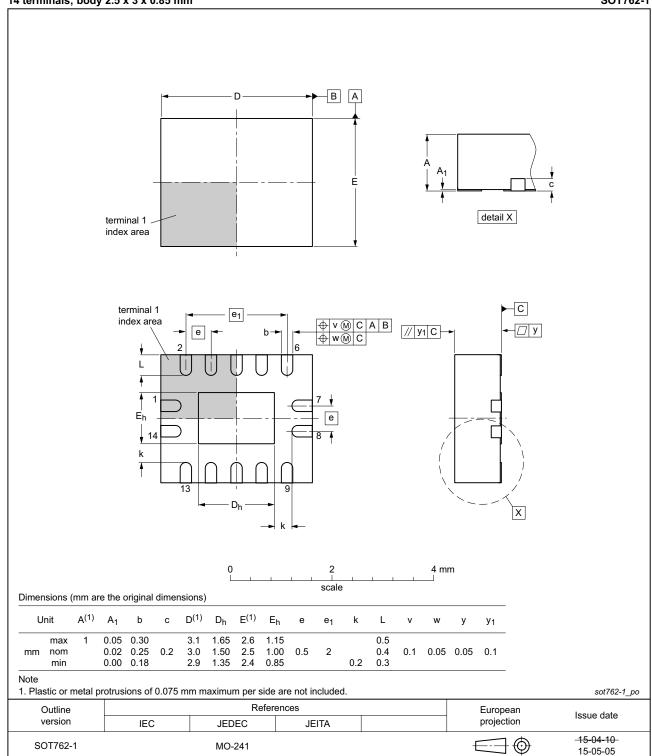


Fig 16. Package outline SOT762-1 (DHVQFN14)

.V132 All information provided in this document is subject to legal disclaimers.

Nexperia B.V. 2017. All rights reserved

Quad 2-input NAND Schmitt trigger

16. 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

17. Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74LV132 v.6	20151209	Product data sheet	-	74LV132 v.5
Modifications:	Type number	74LV132N (SOT27-1) remov	ed.	
74LV132 v.5	20090702	Product data sheet	-	74LV132 v.4
Modifications:	• <u>Table 6</u> : the c changed.	conditions for HIGH-level outpo	ut voltage and LOW-le	vel output voltage have been
74LV132 v.4	20071112	Product data sheet	-	74LV132 v.3
74LV132 v.3	20040415	Product specification	-	74LV132 v.2
74LV132 v.2	19980428	Product specification	-	74LV132 v.1
74LV132 v.1	19970204	Product specification	-	-

Quad 2-input NAND Schmitt trigger

18. Legal information

18.1 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.

18.2 Definitions

Draft — The document is a draft version only. The content is still under internal review and subject to formal approval, which may result in modifications or additions. Nexperia does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

Short data sheet — A short data sheet is an extract from a full data sheet with the same product type number(s) and title. A short data sheet is intended for quick reference only and should not be relied upon to contain detailed and full information. For detailed and full information see the relevant full data sheet, which is available on request via the local Nexperia sales office. In case of any inconsistency or conflict with the short data sheet, the full data sheet shall prevail.

Product specification — The information and data provided in a Product data sheet shall define the specification of the product as agreed between Nexperia and its customer, unless Nexperia and customer have explicitly agreed otherwise in writing. In no event however, shall an agreement be valid in which the Nexperia product is deemed to offer functions and qualities beyond those described in the Product data sheet.

18.3 Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, Nexperia does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. Nexperia takes no responsibility for the content in this document if provided by an information source outside of Nexperia.

In no event shall Nexperia be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, Nexperia's aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the *Terms and conditions of commercial sale* of Nexperia.

Right to make changes — Nexperia reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

Suitability for use — Nexperia products are not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical systems or equipment, nor in applications where failure or malfunction of a Nexperia product can reasonably be expected to result in personal injury, death or severe property or environmental damage. Nexperia and its suppliers accept no liability for inclusion and/or use of Nexperia products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk

Applications — Applications that are described herein for any of these products are for illustrative purposes only. Nexperia makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Customers are responsible for the design and operation of their applications and products using Nexperia products, and Nexperia accepts no liability for any assistance with applications or customer product design. It is customer's sole responsibility to determine whether the Nexperia product is suitable and fit for the customer's applications and products planned, as well as for the planned application and use of customer's third party customer(s). Customers should provide appropriate design and operating safeguards to minimize the risks associated with their applications and products.

Nexperia does not accept any liability related to any default, damage, costs or problem which is based on any weakness or default in the customer's applications or products, or the application or use by customer's third party customer(s). Customer is responsible for doing all necessary testing for the customer's applications and products using Nexperia products in order to avoid a default of the applications and the products or of the application or use by customer's third party customer(s). Nexperia does not accept any liability in this respect.

Limiting values — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) will cause permanent damage to the device. Limiting values are stress ratings only and (proper) operation of the device at these or any other conditions above those given in the Recommended operating conditions section (if present) or the Characteristics sections of this document is not warranted. Constant or repeated exposure to limiting values will permanently and irreversibly affect the quality and reliability of the device.

Terms and conditions of commercial sale — Nexperia products are sold subject to the general terms and conditions of commercial sale, as published at http://www.nexperia.com/profile/terms, unless otherwise agreed in a valid written individual agreement. In case an individual agreement is concluded only the terms and conditions of the respective agreement shall apply. Nexperia hereby expressly objects to applying the customer's general terms and conditions with regard to the purchase of Nexperia products by customer.

No offer to sell or license — Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.

74LV132

All information provided in this document is subject to legal disclaimers.

Quad 2-input NAND Schmitt trigger

Export control — This document as well as the item(s) described herein may be subject to export control regulations. Export might require a prior authorization from competent authorities.

Non-automotive qualified products — Unless this data sheet expressly states that this specific Nexperia product is automotive qualified, the product is not suitable for automotive use. It is neither qualified nor tested in accordance with automotive testing or application requirements. Nexperia accepts no liability for inclusion and/or use of

non-automotive qualified products in automotive equipment or applications.

In the event that customer uses the product for design-in and use in automotive applications to automotive specifications and standards, customer (a) shall use the product without Nexperia's warranty of the product for such automotive applications, use and specifications, and (b) whenever customer uses the product for automotive applications beyond

Nexperia's specifications such use shall be solely at customer's own risk, and (c) customer fully indemnifies Nexperia for any liability, damages or failed product claims resulting from customer design and use of the product for automotive applications beyond Nexperia's standard warranty and Nexperia's product specifications.

Translations — A non-English (translated) version of a document is for reference only. The English version shall prevail in case of any discrepancy between the translated and English versions.

18.4 Trademarks

Notice: All referenced brands, product names, service names and trademarks are the property of their respective owners.

19. Contact information

For more information, please visit: http://www.nexperia.com

For sales office addresses, please send an email to: salesaddresses@nexperia.com

Quad 2-input NAND Schmitt trigger

20. Contents

1	General description
2	Features and benefits
3	Applications
4	Ordering information 2
5	Functional diagram 2
6	Pinning information 3
6.1	Pinning
6.2	Pin description
7	Functional description 3
8	Limiting values 4
9	Recommended operating conditions 4
10	Static characteristics 5
11	Dynamic characteristics 6
12	Waveforms 6
13	Transfer characteristics 7
14	Waveforms transfer characteristics 8
15	Package outline
16	Abbreviations 14
17	Revision history
18	Legal information
18.1	Data sheet status
18.2	Definitions
18.3	Disclaimers
18.4	Trademarks16
19	Contact information 16
20	Contents

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Nexperia:

<u>74LV132BQ,115</u> <u>74LV132D,112</u> <u>74LV132DB,112</u> <u>74LV132DB,118</u> <u>74LV132DD,118</u> <u>74LV132PW,112</u> 74LV132PW,118