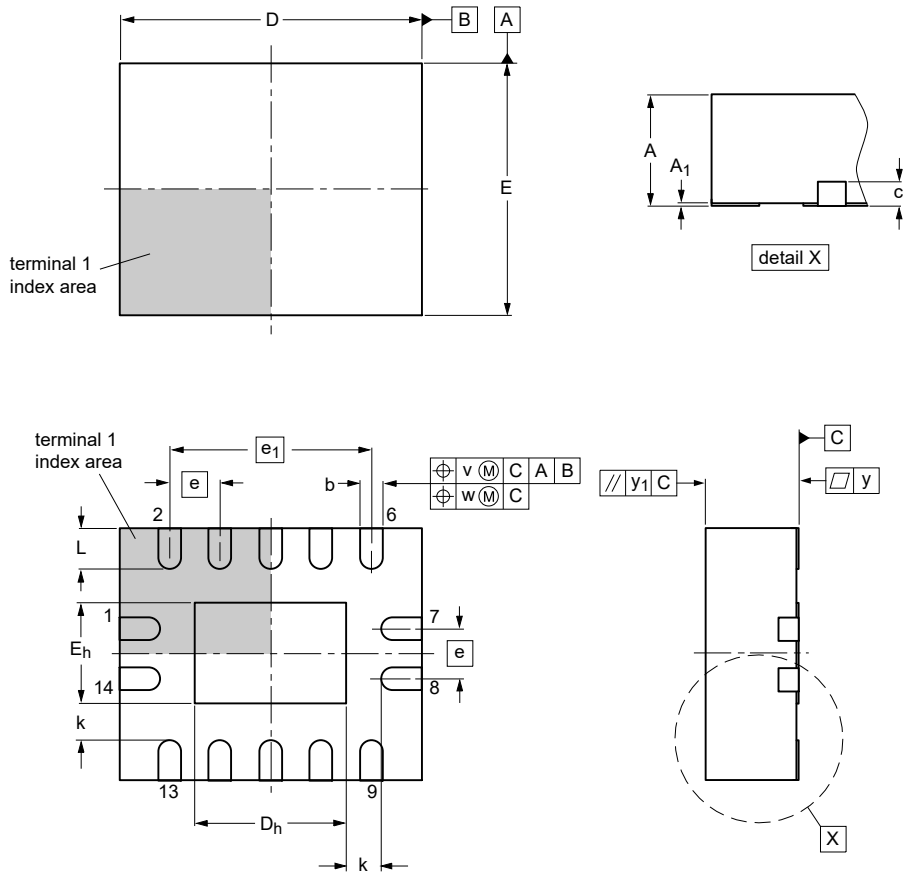
DHVQFN14: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body 2.5 x 3 x 0.85 mm **SOT762-1**



Dimensions (mm are the original dimensions)

Unit		$A^{(1)}$	A_1	b	c	$D^{(1)}$	D_h	$E^{(1)}$	E_h	e	e_1	k	L	v	w	y	y_1
	max	1	0.05	0.30		3.1	1.65	2.6	1.15				0.5				
mm	nom		0.02	0.25	0.2	3.0	1.50	2.5	1.00	0.5	2		0.4	0.1	0.05	0.05	0.1
	min		0.00	0.18		2.9	1.35	2.4	0.85			0.2	0.3				

Note

1. Plastic or metal protrusions of 0.075 mm maximum per side are not included.

sot762-1_po

Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT762-1		MO-241				~~15-04-10~~ 15-05-05

Fig. 15. Package outline SOT762-1 (DHVQFN14)

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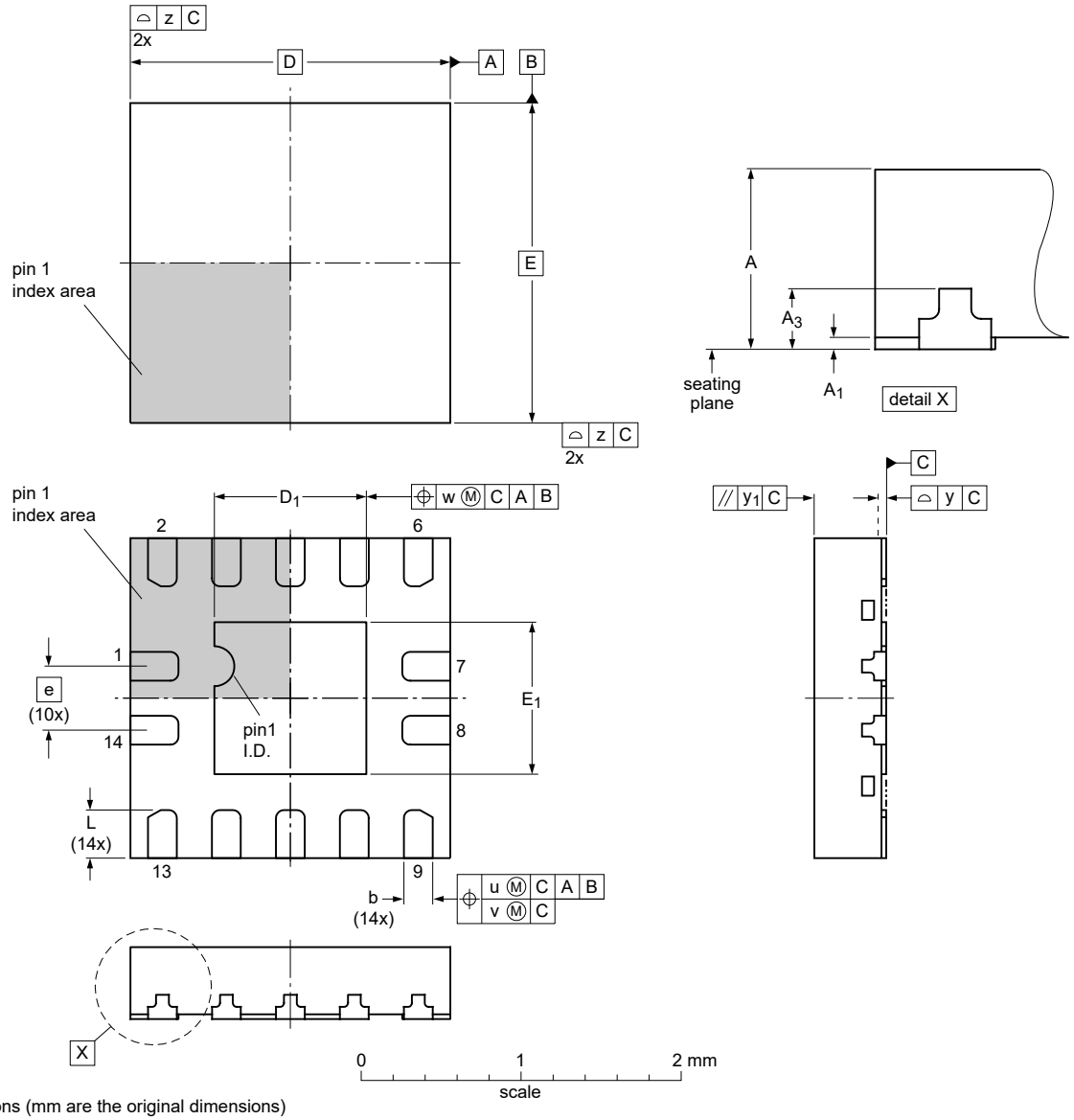
DHXQFN14: plastic, leadless dual in-line compatible thermal enhanced extreme thin quad flat package; no leads; 14 terminals; 0.4 mm pitch; body 2 mm x 2 mm x 0.48 mm **SOT8014-1**



Dimensions (mm are the original dimensions)

Unit	A	A_1	A_3	b	D	D_1	E	E_1	e	k	L	u	v	w	y	y_1	z
max	0.48	0.05	0.15 (typ)	0.23	2.0	1.00	2.0	1.00	0.4	0.2	0.35	0.1	0.05	0.1	0.05	0.05	0.05
mm nom	0.45	0.02		0.18		0.95		0.95			0.30						
min	0.42	0.00		0.13		0.90		0.90			0.25						

sot8014-1_po

Outline version	References				European projection	Issue date
	IEC	JEDEC	JEITA			
SOT8014-1						~~20-09-18~~ 20-09-22

Fig. 16. Package outline SOT8014-1 (DHXQFN14)

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15. Abbreviations

Table 10. Abbreviations

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

16. Revision history

Table 11. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74LVC14A v.9	20210920	Product data sheet	-	74LVC14A v.8
Modifications:	• Type number 74LVC14ADB (SOT337-1/SSOP14) removed.			
74LVC14A v.8	20210429	Product data sheet	-	74LVC14A v.7
Modifications:	• Type number 74LVC14ABZ (SOT8014-1 / DHXQFN14) added.			
74LVC14A v.7	20200724	Product data sheet	-	74LVC14A v.6
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. • Section 1 updated. • Table 4: Derating values for P_{tot} total power dissipation updated.			
74LVC14A v.6	20160610	Product data sheet	-	74LVC14A v.5
Modifications:	• Table 4: table note removed (errata).			
74LVC14A v.5	20111223	Product data sheet	-	74LVC14A v.4
Modifications:	• The format of this data sheet has been redesigned to comply with the new identity guidelines of NXP Semiconductors. • Legal texts have been adapted to the new company name where appropriate. • Table 4, Table 5, Table 6, Table 7 and Table 8: values added for lower voltage ranges.			
74LVC14A v.4	20050215	Product data sheet	-	74LVC14A v.3
74LVC14A v.3	20030228	Product specification	-	74LVC14A v.2
74LVC14A v.2	20020315	Product specification	-	74LVC14A v.1
74LVC14A v.1	19980428	Product specification		-

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17. Legal information

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 https://www.nexperia.com.

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