

SOT1431-1

plastic thermal enhanced very thin profile land grid array
package; 44 terminals

15 August 2016

Package information

1. Package summary

Dimensions (mm)	5 x 5 x 0.72
Terminal position code	Q (quad)
Package type descriptive code	HVLGA
Package outline version code	SOT1431-1
Manufacturer package code	SOT1431
Package type industry code	HVLGA44
Package outline version description	plastic thermal enhanced very thin profile land grid array package; 44 terminals
Package style descriptive code	LGA (land grid array package)
Package body material type	P
Mounting method type	S (surface mount)
Package life cycle status	REL
Security status	COMPANY PUBLIC
Issue date	12-8-2016
Maturity	Product

Table 1. Package summary

Symbol	Parameter		Min	Typ	Nom	Max	Unit
A	seated height		0.62	-	0.72	0.82	mm
D	package length		4.9	-	5	5.1	mm
E	package width		4.9	-	5	5.1	mm
e	nominal pitch		-	-	0.4	-	mm
n ₂	actual quantity of termination		-	-	44	-	



2. Package outline

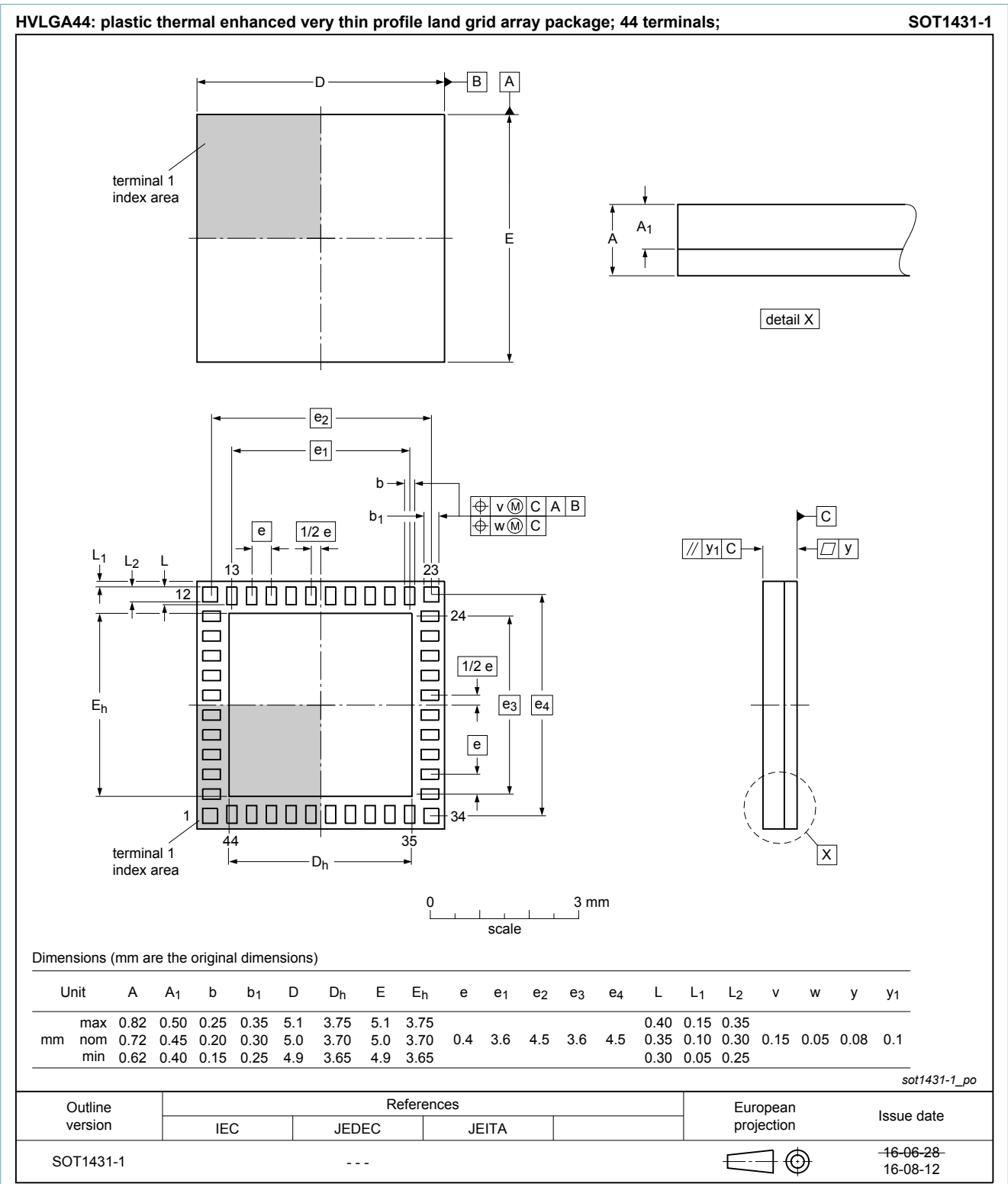


Fig. 1. Package outline HVLGA44 (SOT1431-1)

3. Soldering

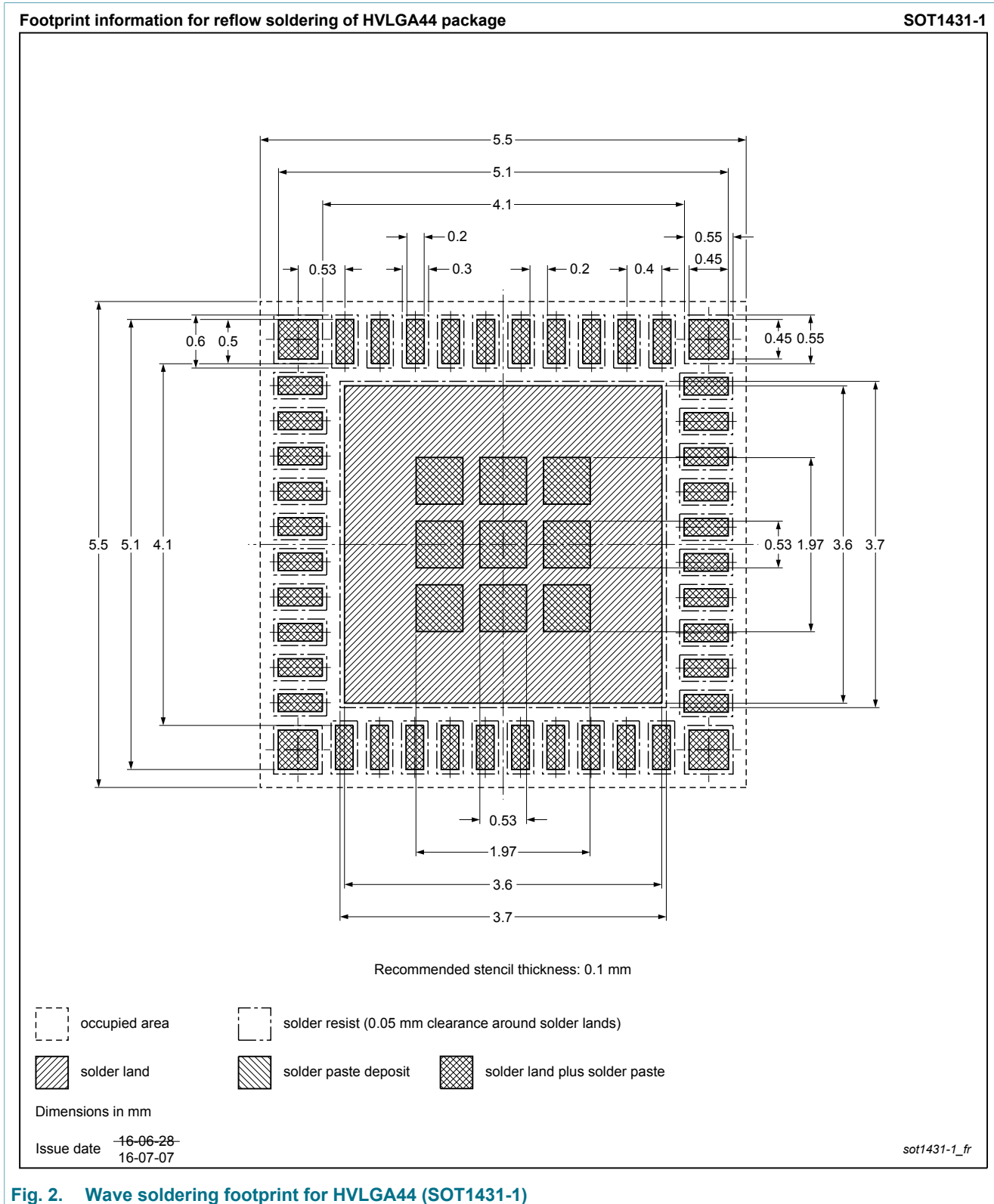


Fig. 2. Wave soldering footprint for HVLGA44 (SOT1431-1)

4. Legal information

Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, NXP Semiconductors 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. NXP Semiconductors takes no responsibility for the content in this document if provided by an information source outside of NXP Semiconductors.

In no event shall NXP Semiconductors 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, NXP Semiconductors' 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 NXP Semiconductors.

Right to make changes — NXP Semiconductors 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.

5. Contents

1. Package summary..... 1

2. Package outline..... 2

3. Soldering..... 3

4. Legal information..... 4

© NXP Semiconductors N.V. 2016. All rights reserved

For more information, please visit: <http://www.nxp.com>

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

Date of release: 15 August 2016