

SOT1752-1

LPGA480, plastic, low profile fine-pitch ball grid array; 480 bumps; 1.27 mm pitch; 37.5 mm x 37.5 mm x 1.7 mm body

15 December 2016

Package information

1. Package summary

Terminal position code	B (bottom)
Package type descriptive code	LPGA480
Package type industry code	LPGA480
Package style descriptive code	LFPGA (low profile fine-pitch ball grid array)
Package body material type	P (plastic)
JEDEC package outline code	HT-PBGA-B480
Mounting method type	S (surface mount)
Manufacturer package code	98ASS23799W

Table 1. Package summary

Symbol	Parameter	Min	Typ	Nom	Max	Unit
D	package length	-	-	37.5	-	mm
E	package width	-	-	37.5	-	mm
A	seated height	-	-	1.7	-	mm
e	nominal pitch	-	-	1.27	-	mm
n ₂	actual quantity of termination	-	-	480	-	



LPGA480, plastic, low profile fine-pitch ball grid array; 480 bumps; 1.27 mm pitch; 37.5 mm x 37.5 mm x 1.7 mm body

2. Package outline

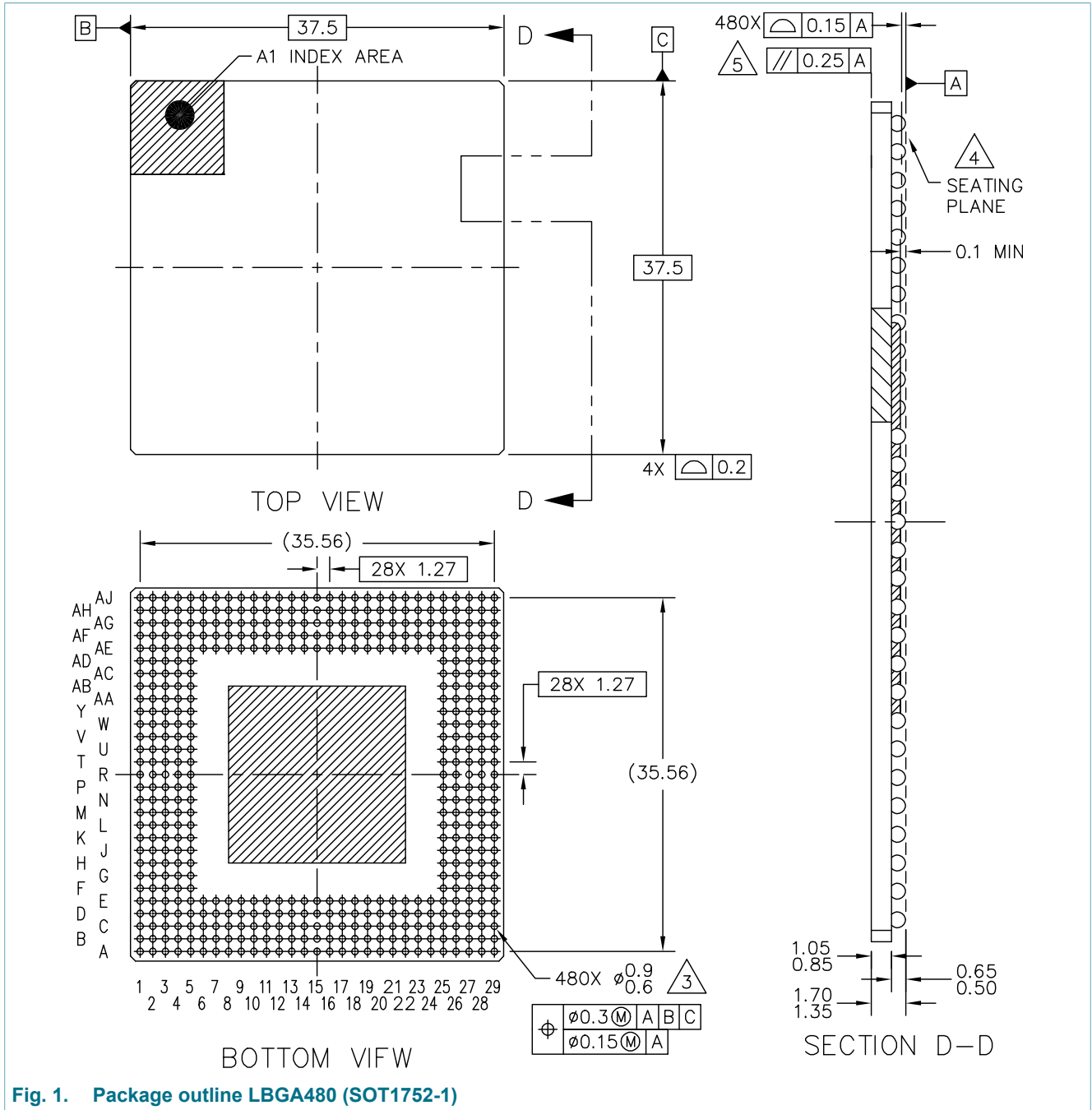


Fig. 1. Package outline LPGA480 (SOT1752-1)

LBGA480, plastic, low profile fine-pitch ball grid array; 480 bumps; 1.27 mm pitch; 37.5 mm x 37.5 mm x 1.7 mm body

NOTES:

1. ALL DIMENSIONS IN MILLIMETERS.

2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

3. MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM A.

4. DATUM A, THE SEATING PLANE, IS DETERMINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.

5. PARALLELISM MEASUREMENT SHALL EXCLUDE ANY EFFECT OF MARK ON TOP SURFACE OF PACKAGE.

Fig. 2. Package outline note LBGA480 (SOT1752-1)

LPGA480, plastic, low profile fine-pitch ball grid array; 480 bumps; 1.27 mm pitch; 37.5 mm x 37.5 mm x 1.7 mm body

3. 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.

LPGA480, plastic, low profile fine-pitch ball grid array; 480 bumps; 1.27 mm pitch; 37.5 mm x 37.5 mm x 1.7 mm body

4. Contents

1. Package summary.....	1
2. Package outline.....	2
3. 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 December 2016
