# SOT1534-4



LFBGA289, plastic, low profile fine-pitch ball grid array; 289 balls; 0.8 mm pitch; 14 mm x 14 mm x 1.37 mm body

8 October 2019 Package informati

Package information

#### **Package summary** 1

Terminal position code B (bottom) LFBGA289 Package type descriptive code

Package style descriptive code LFBGA (low profile fine-pitch ball grid array)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 20-09-2019 Manufacturer package code 98ASA01216D

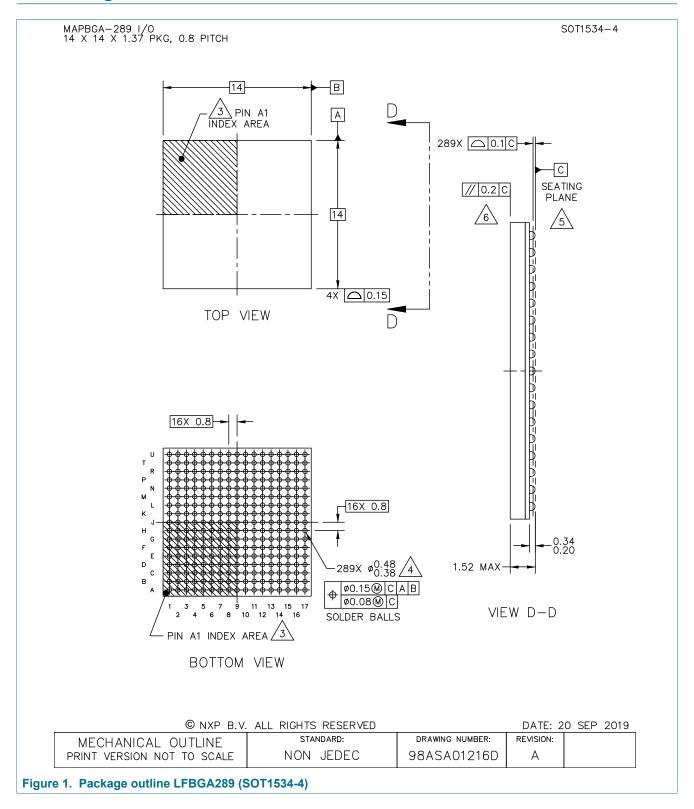
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	13.85	14	14.15	mm
package width	13.85	14	14.15	mm
package height	-	1.37	1.52	mm
nominal pitch	-	0.8	-	mm
actual quantity of termination	-	289	-	



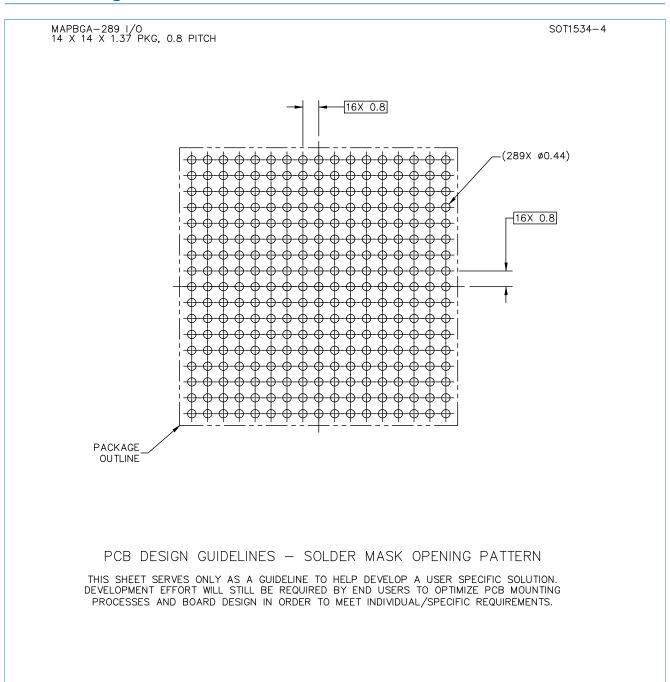
LFBGA289, plastic, low profile fine-pitch ball grid array; 289 balls; 0.8 mm pitch; 14 mm x 14 mm x 1.37 mm body

## 2 Package outline



LFBGA289, plastic, low profile fine-pitch ball grid array; 289 balls; 0.8 mm pitch; 14 mm x 14 mm x 1.37 mm body

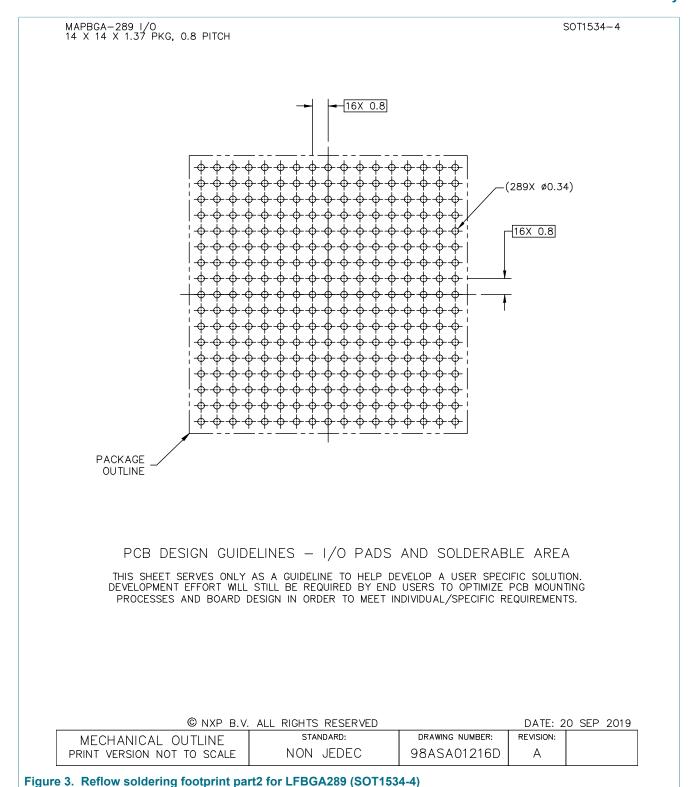
### 3 Soldering



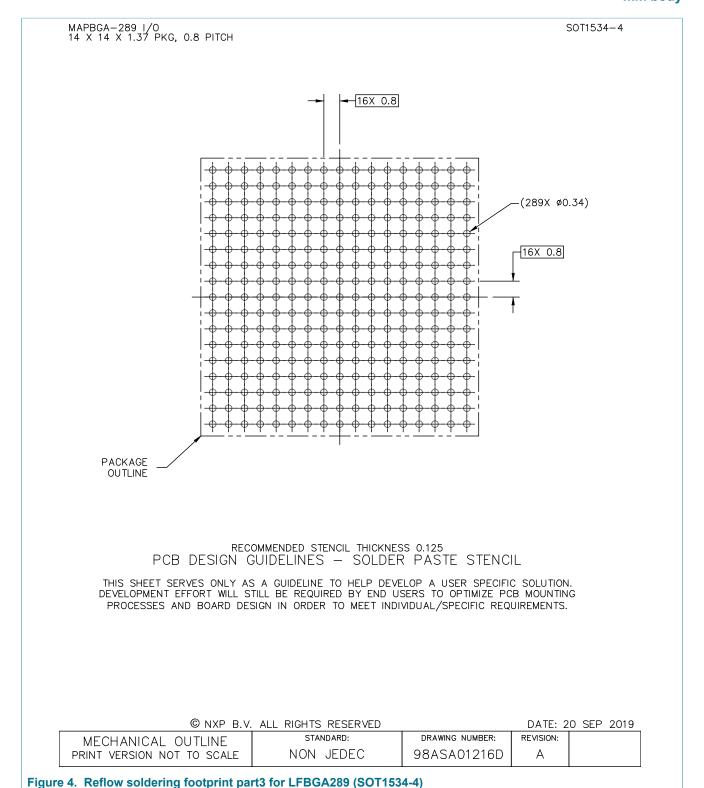
	© NXP B.V.	ALL RIGHTS RESERVED		DATE: 2	O SEP	2019
MECHANICAL C		STANDARD:	DRAWING NUMBER:	REVISION:		
PRINT VERSION NOT	TO SCALE	NON JEDEC	98ASA01216D	А		

Figure 2. Reflow soldering footprint part1 for LFBGA289 (SOT1534-4)

LFBGA289, plastic, low profile fine-pitch ball grid array; 289 balls; 0.8 mm pitch; 14 mm x 14 mm x 1.37 mm body



LFBGA289, plastic, low profile fine-pitch ball grid array; 289 balls; 0.8 mm pitch; 14 mm x 14 mm x 1.37



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MAPBGA-289 I/O 14 X 14 X 1.37 PKG, 0.8 PITCH SOT1534-4

### NOTES:

- 1. ALL DIMENSIONS IN MILLIMETERS.
- 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

<u>3.</u>

PIN A1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C.



DATUM C, THE SEATING PLANE, IS DETERMINED BY THE SPHERICAL CROWNS OF THE

6.

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

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DATE: 20 SEP 2019

MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	
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Figure 5. Package outline note LFBGA289 (SOT1534-4)

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### 4 Legal information

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