

SOT2130-1

LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm body

28 February 2022

Package information

1 Package summary

Terminal position code B (bottom)

Package type descriptive code FBGA400

Package style descriptive code FBGA (fine-pitch ball grid array)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 22-12-2021

Manufacturer package code 98ASA01736D

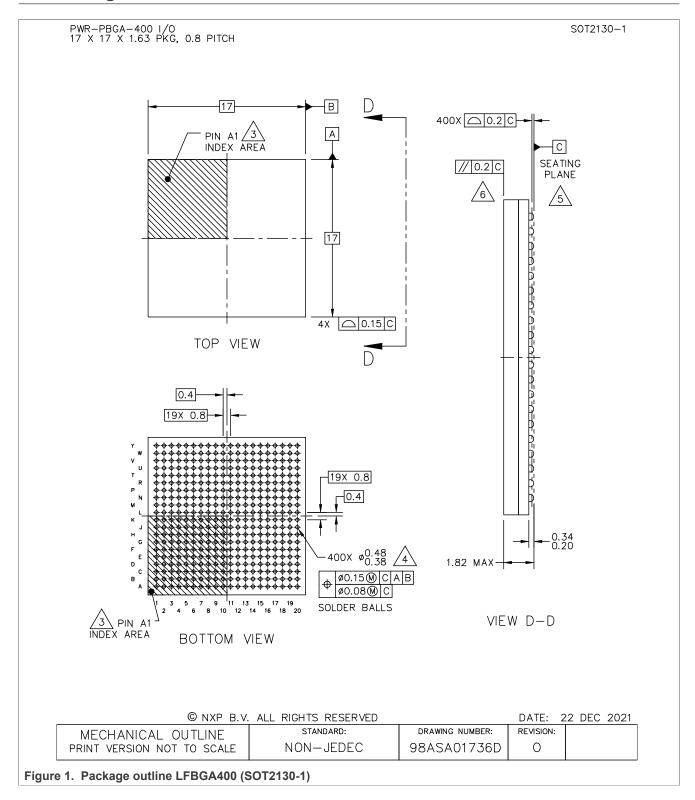
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	17	-	mm
package width	-	17	-	mm
seated height	-	1.63	1.82	mm
nominal pitch	-	0.8	-	mm
actual quantity of termination	-	400	-	



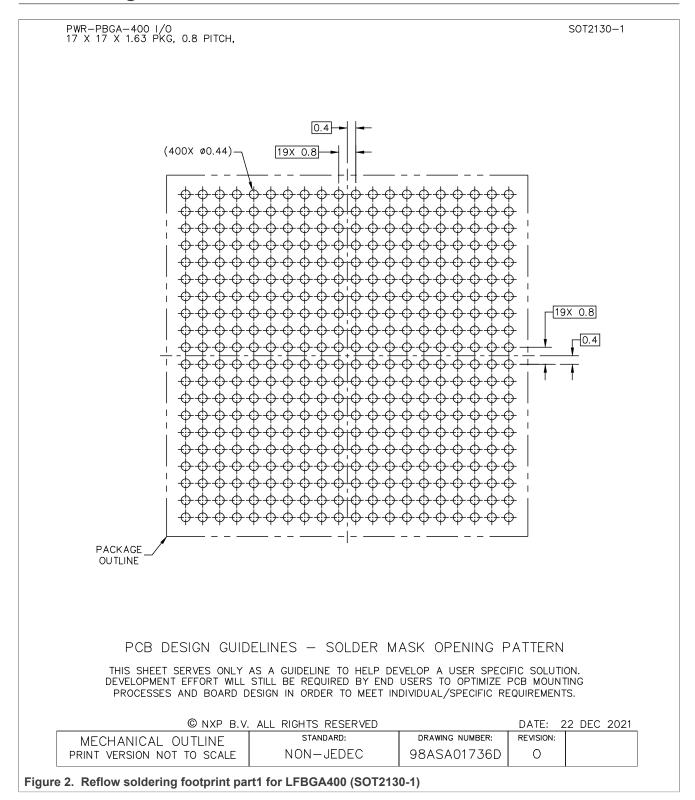
LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm body

2 Package outline

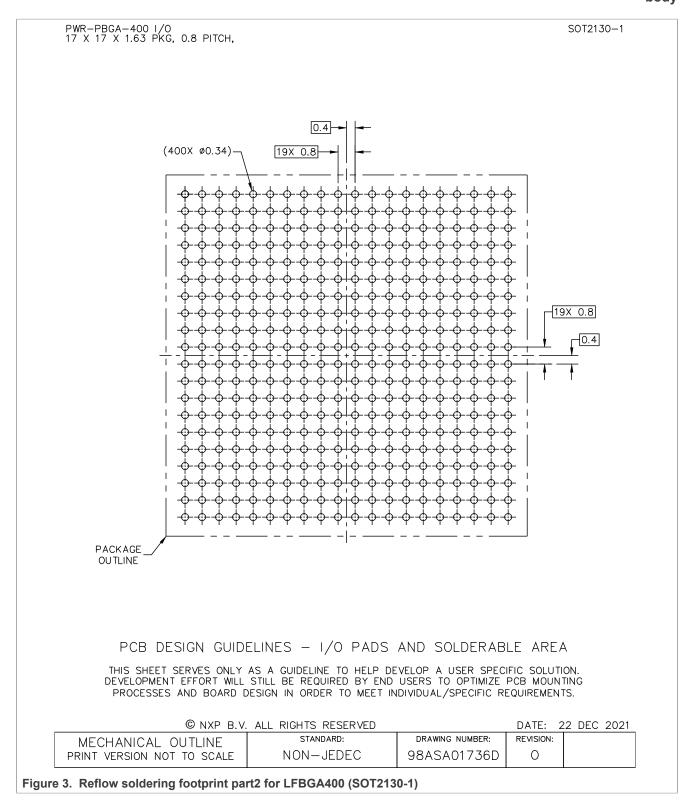


LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm

3 Soldering

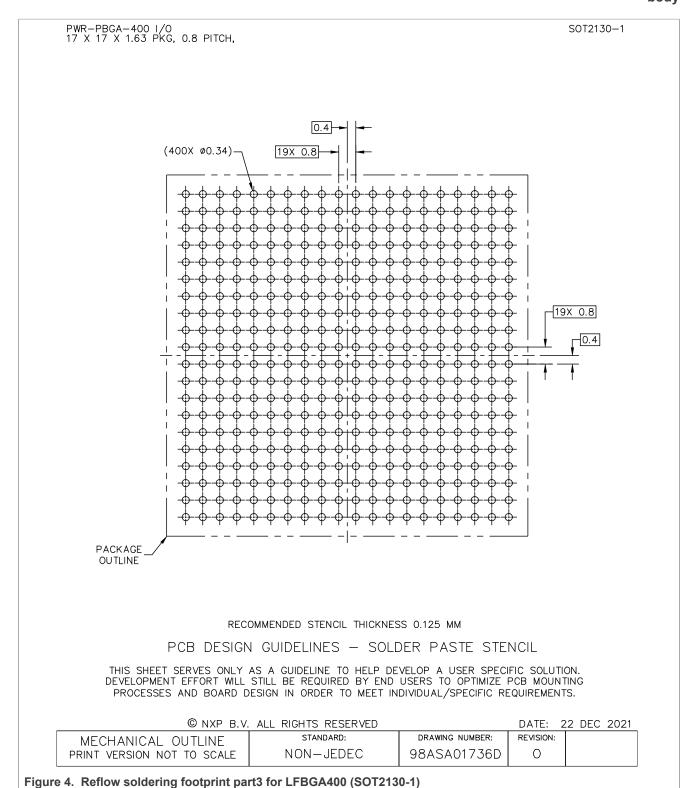


LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm



SOT2130-1

LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm



SOT2130-1

LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm

PWR-PBGA-400 I/O 17 X 17 X 1.63 PKG, 0.8 PITCH SOT2130-1

NOTES:

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

3. PIN A1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

4. MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C.

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

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

© NXP B.V. ALL RIGHTS RESERVED DATE: 22 DEC 2021

MECHANICAL OUTLINE STANDARD: DRAWING NUMBER: REVISION:

98ASA01736D

Figure 5. Package outline note LFBGA400 (SOT2130-1)

PRINT VERSION NOT TO SCALE

NON-JEDEC

0

LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm

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.

LFBGA400, low profile fine-pitch ball grid array; 400 bumps; 0.8 mm pitch; 17 mm x 17 mm x 1.63 mm body

Contents

1	Package summary	1
2	Package outline	
3	Soldering	
4		