SOT2047-1

LFBGA548, low profile, fine-pitch, ball grid array package, 548 terminals, 0.5 mm pitch, 15 mm x 15 mm x 1.331 mm body

19 June 2023 Package information



1 Package summary

Terminal position code B (bottom)

Package type descriptive code LFBGA548

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 date11-05-2023Manufacturer package code98ASA01539D

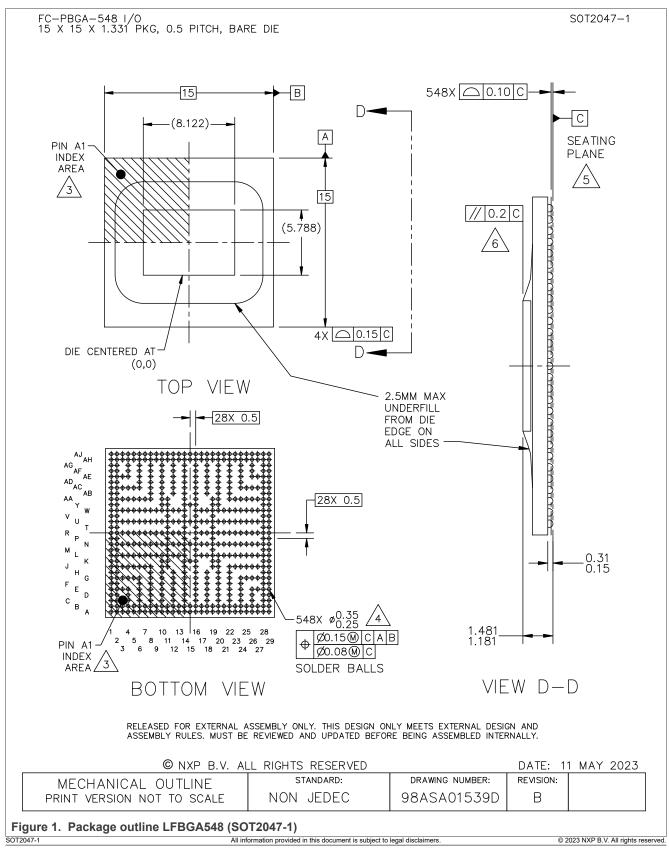
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	14.85	15	15.15	mm
package width	14.85	15	15.15	mm
seated height	1.181	1.331	1.481	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	548	-	



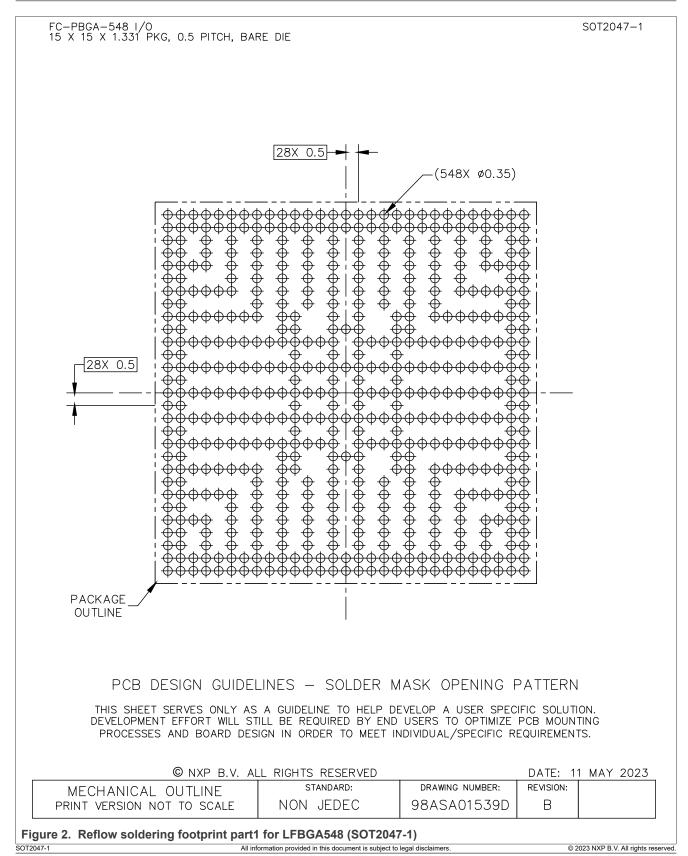
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2 Package outline

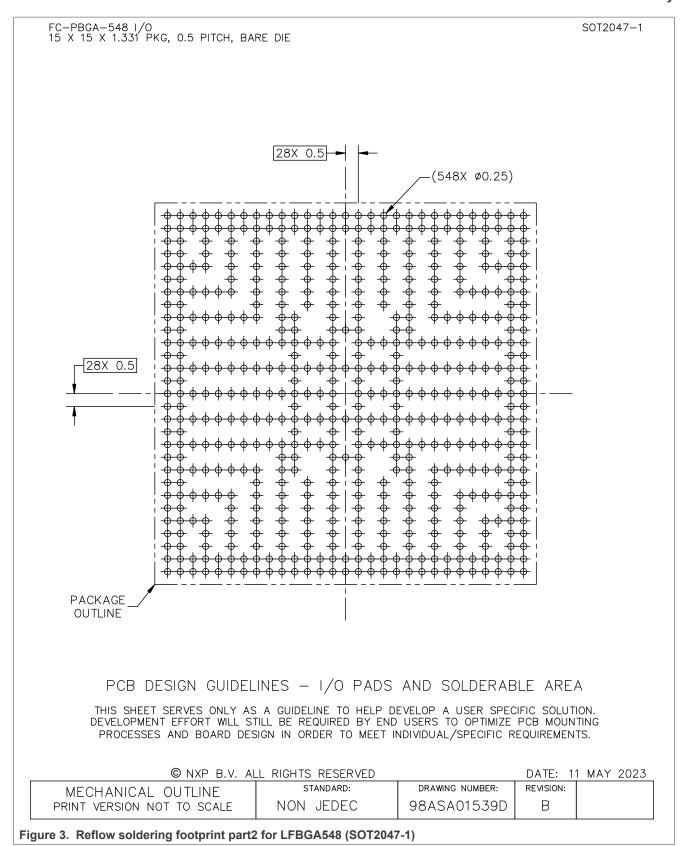


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3 Soldering

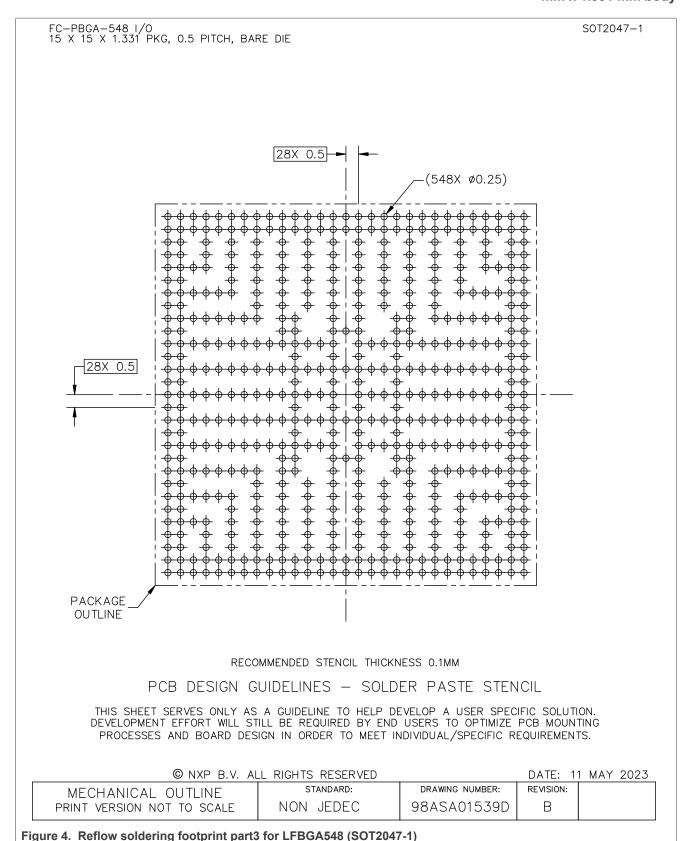


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FC-PBGA-548 I/O 15 X 15 X 1.331 PKG, 0.5 PITCH, BARE DIE SOT2047-1

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 SOLDER BALLS.

6.

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

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MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	NON JEDEC	98ASA01539D	В	

Figure 5. Package outline note LFBGA548 (SOT2047-1)

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