

SOT1547-3

LFBGA257, plastic, low profile fine-pitch ball grid array package; 257 balls; 0.8 mm pitch; 14 mm x 14 mm x 1.37 mm body

9 July 2019

Package information

1 Package summary

Terminal position code B (bottom)

Package type descriptive code LFBGA257

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 20-06-2019

Manufacturer package code 98ASA01483D

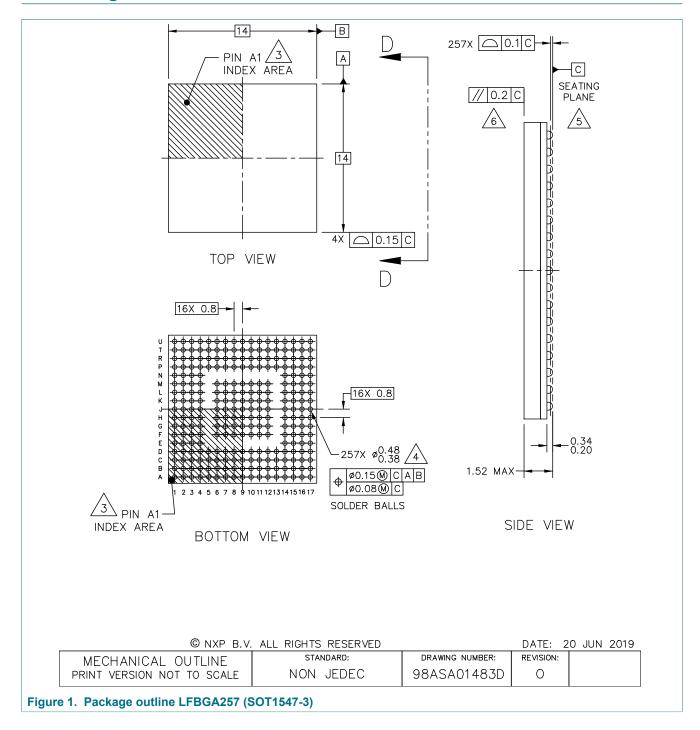
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	14	-	mm
package width	-	14	-	mm
package height	-	1.37	-	mm
nominal pitch	-	0.8	-	mm
actual quantity of termination	-	257	-	



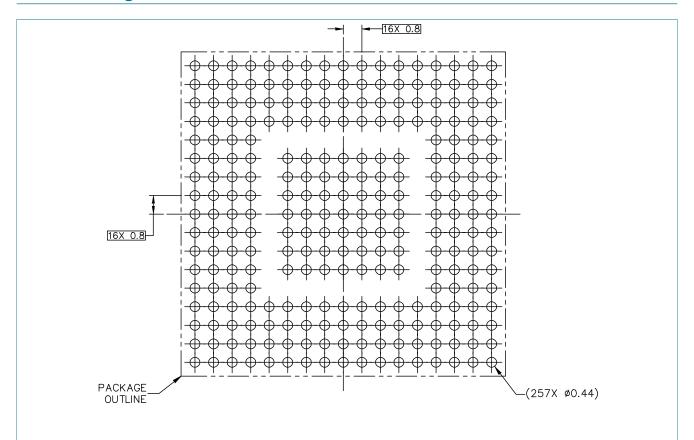
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2 Package outline



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3 Soldering



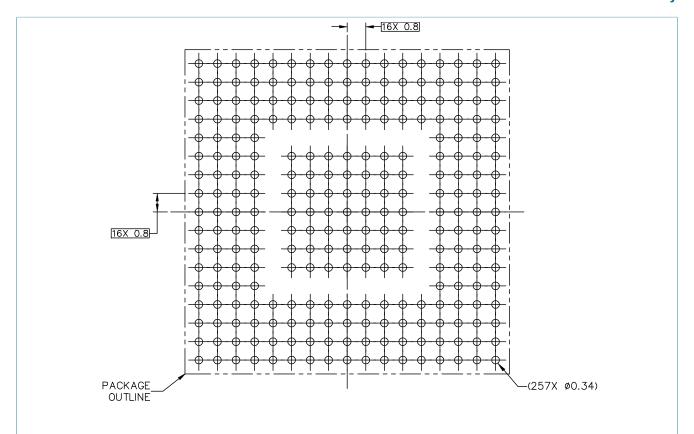
PCB DESIGN GUIDELINES - SOLDER MASK OPENING PATTERN

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Figure 2. Reflow soldering footprint part1 of LFBGA257 (SOT1547-3)

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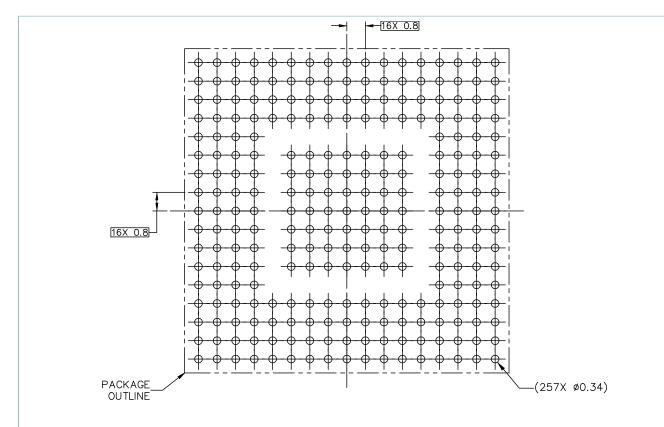
PCB DESIGN GUIDELINES - I/O PADS AND SOLDERABLE AREAS

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Figure 3. Reflow soldering footprint part2 of LFBGA257 (SOT1547-3)

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RECOMMENDED STENCIL THICKNESS 0.125

PCB DESIGN GUIDELINES - SOLDER PASTE STENCIL

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Figure 4. Reflow soldering footprint part3 of LFBGA257 (SOT1547-3)

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NOTES:

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

 $\sqrt{3}$. 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.

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

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Figure 5. Package outline note LFBGA257 (SOT1547-3)

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Date of release: 9 July 2019