SOT2153-1

TFBGA145 very thin fine-pitch ball grid array, 145 terminals, 0.5 mm pitch, 8 mm x 8 mm x 1.07 mm body

14 December 2023 Package information



1 Package summary

Terminal position code Q (quad) **Package type descriptive code** TFBGA145

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

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 27-04-2023

Manufacturer package code 98ASA01788D_O

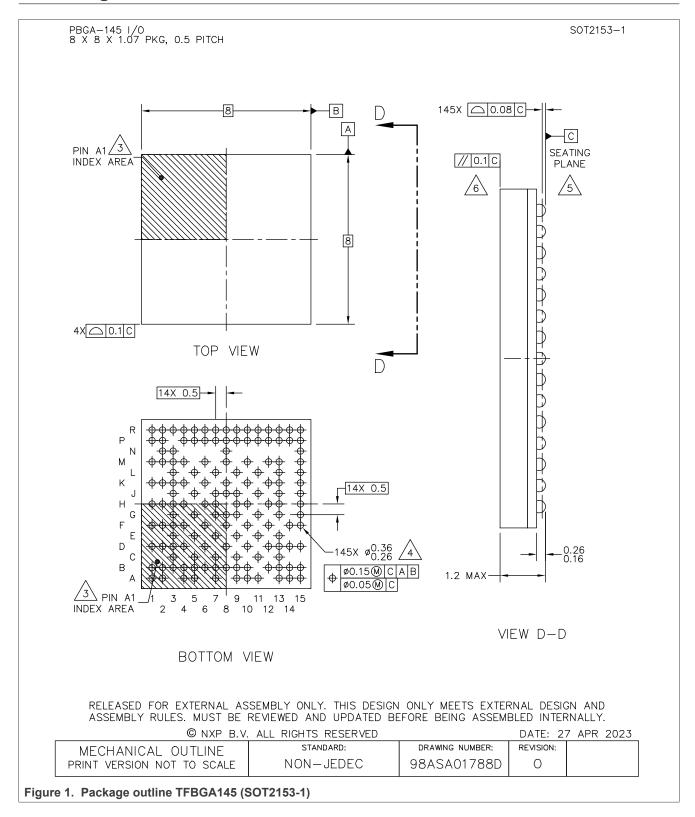
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	7.9	8	8.1	mm
package width	7.9	8	8.1	mm
package height	-	1.07	-	mm
nominal pitch	-	0.5	-	mm



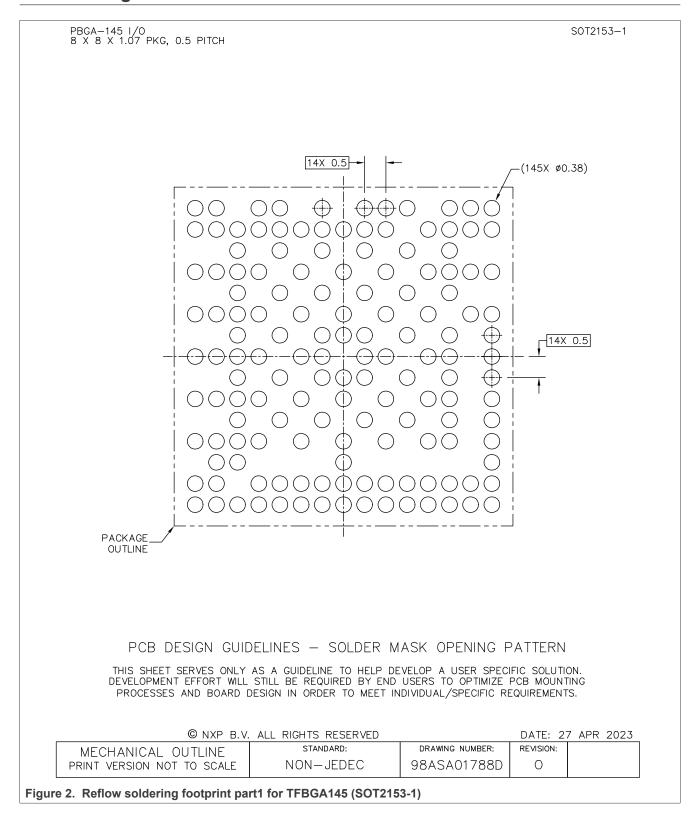
TFBGA145 very thin fine-pitch ball grid array, 145 terminals, 0.5 mm pitch, 8 mm x 8 mm x 1.07 mm

2 Package outline

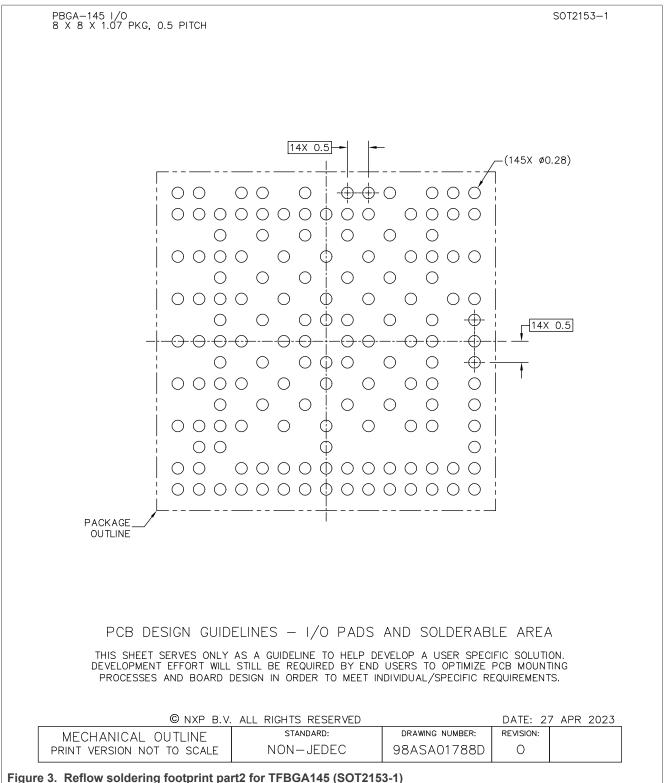


TFBGA145 very thin fine-pitch ball grid array, 145 terminals, 0.5 mm pitch, 8 mm x 8 mm x 1.07 mm

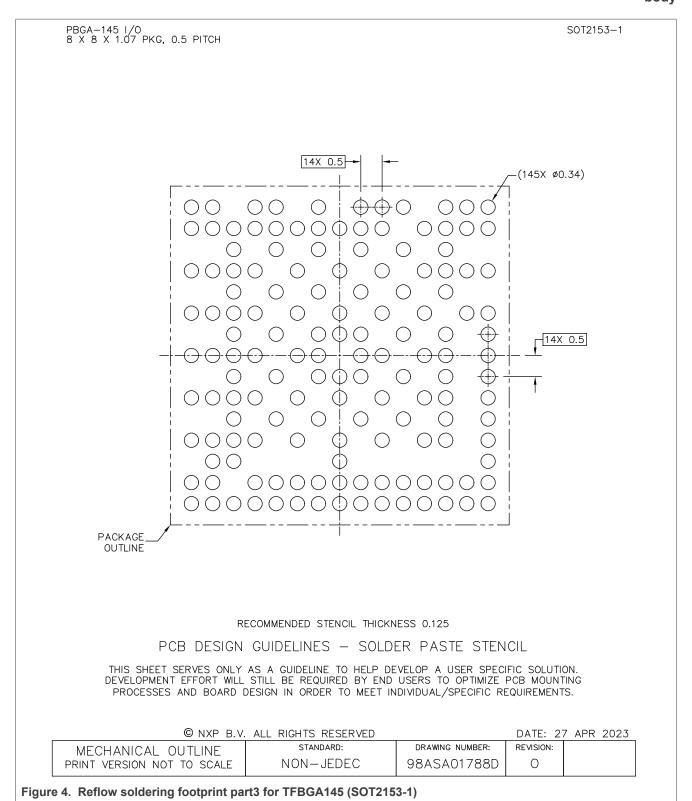
3 Soldering



TFBGA145 very thin fine-pitch ball grid array, 145 terminals, 0.5 mm pitch, 8 mm x 8 mm x 1.07 mm



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PBGA-145 I/O 8 X 8 X 1.07 PKG, 0.5 PITCH

SOT2153-1

NOTES:

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

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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DATE: 27 APR 2023 STANDARD: DRAWING NUMBER: REVISION: MECHANICAL OUTLINE 0 PRINT VERSION NOT TO SCALE NON-JEDEC 98ASA01788D

Figure 5. Package outline note TFBGA145 (SOT2153-1)

TFBGA145 very thin fine-pitch ball grid array, 145 terminals, 0.5 mm pitch, 8 mm x 8 mm x 1.07 mm

4 Legal information

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Contents

1	Package summary1
2	Package outline2
3	Soldering3
4	Legal information7