

# SOT2148-1

FBGA975, fine pitch ball grid array package, 975 terminals, 0.8 mm pitch, 27 mm x 27 mm x 1.63 mm body

16 February 2022

Package information

## 1 Package summary

Terminal position code B (bottom)

Package type descriptive code FBGA975

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 98ASA01799D

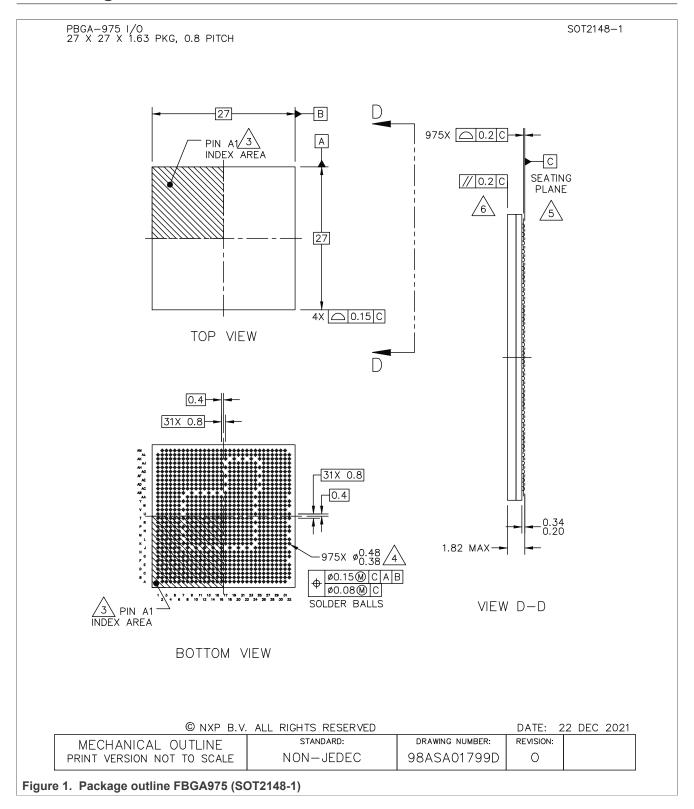
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	27	-	mm
package width	-	27	-	mm
seated height	-	1.63	1.82	mm
nominal pitch	-	0.8	-	mm
actual quantity of termination	-	975	-	



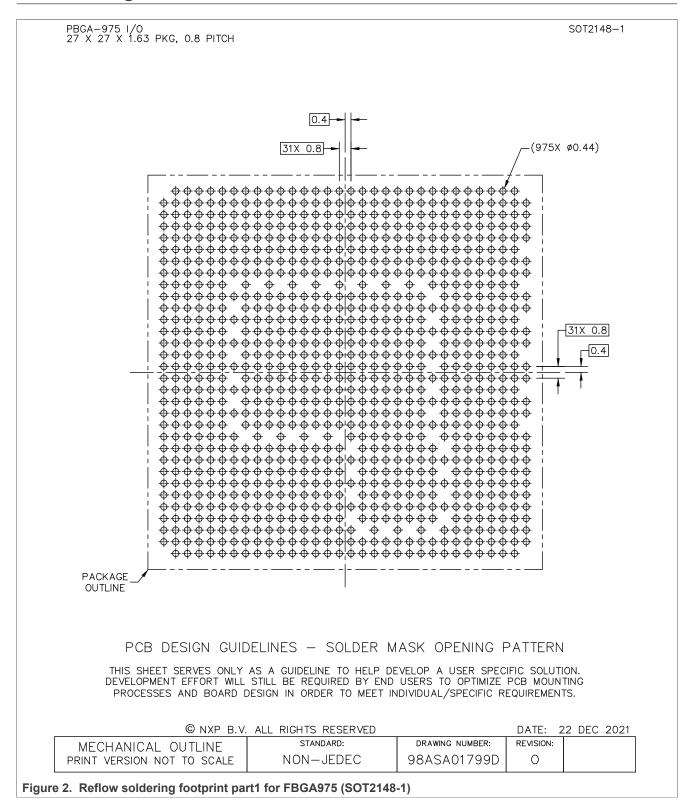
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## 2 Package outline

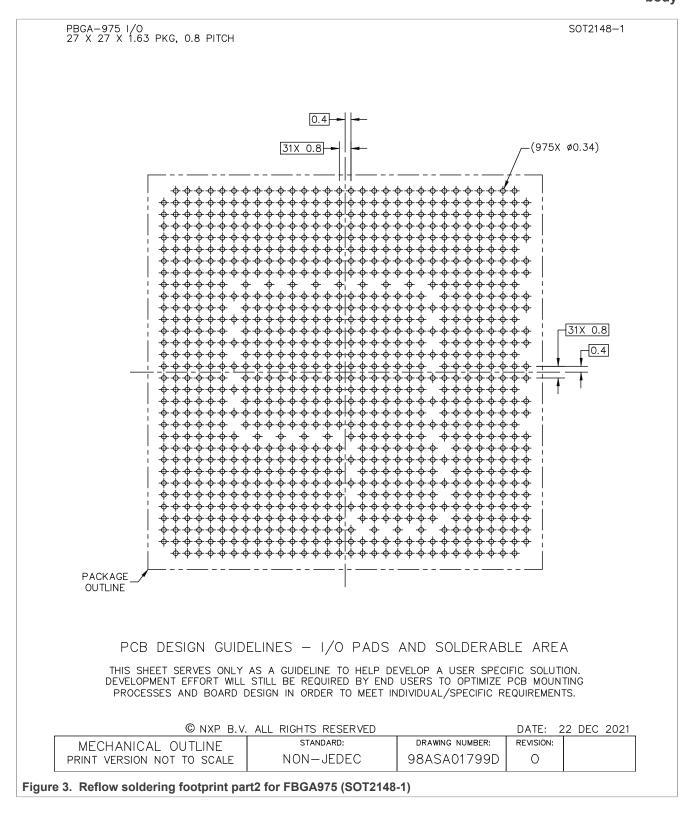


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### 3 Soldering

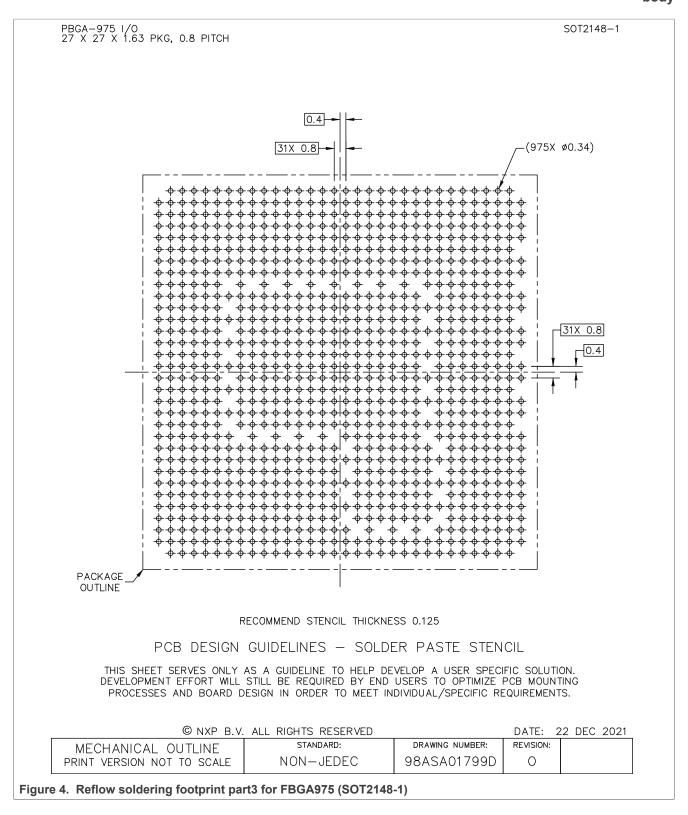


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PBGA-975 I/O 27 X 27 X 1.63 PKG, 0.8 PITCH

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#### 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: 22 DEC 2021 DRAWING NUMBER: STANDARD: REVISION: MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE NON-JEDEC 98ASA01799D 0

Figure 5. Package outline note FBGA975 (SOT2148-1)

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## 4 Legal information

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