SOT2075-1

TFBGA56, thin fine-pitch ball grid array package, 56 terminals, 0.4 mm pitch, 4 mm x 4 mm x 1.1 mm body

28 April 2022

Package information

1 Package summary

Terminal position code B (bottom)

Package type descriptive code TFBGA56

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 18-10-2021

Manufacturer package code 98ASA01663D

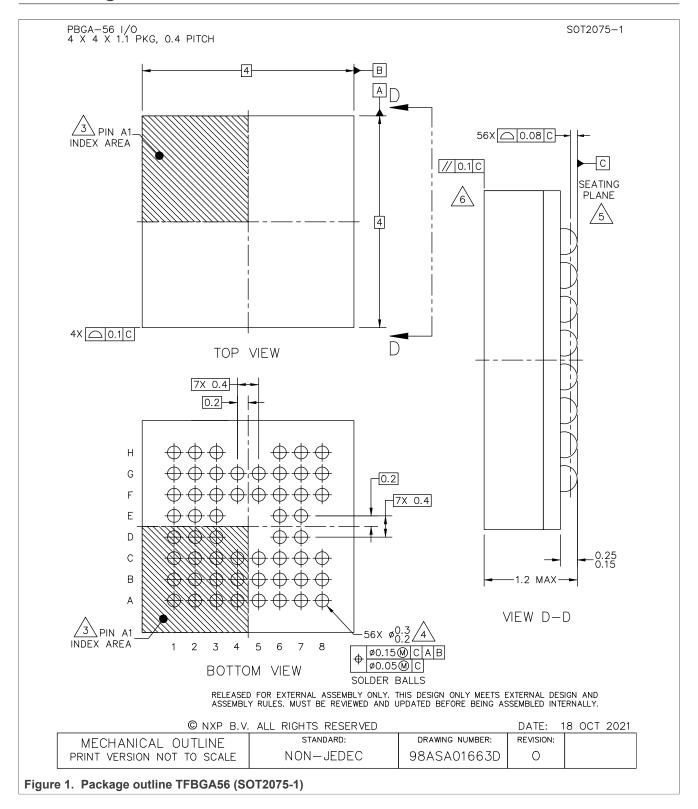
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	4	-	
package width	-	4	-	mm
seated height	-	1.1	1.2	mm
nominal pitch	-	0.4	-	mm
actual quantity of termination	-	56	-	



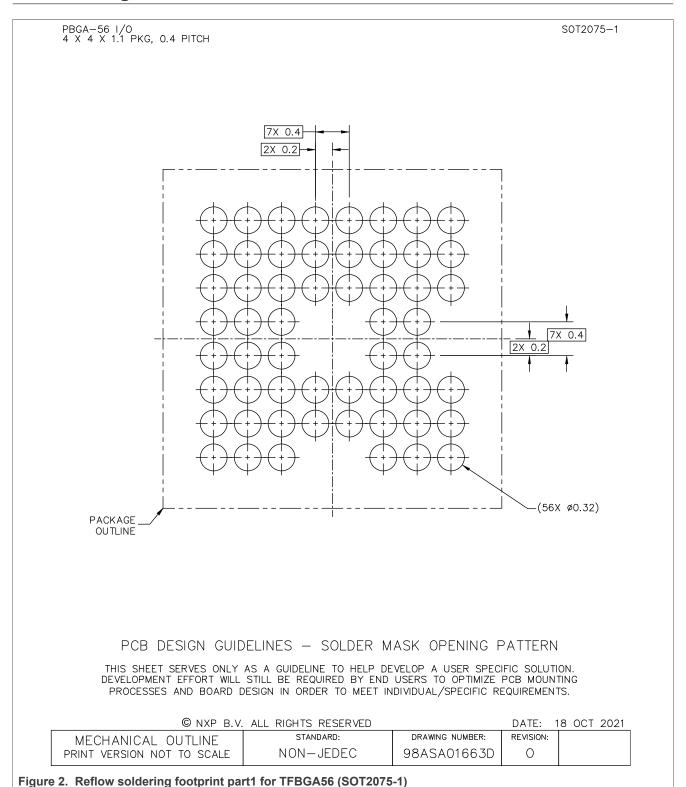
TFBGA56, thin fine-pitch ball grid array package, 56 terminals, 0.4 mm pitch, 4 mm x 4 mm x 1.1 mm

2 Package outline



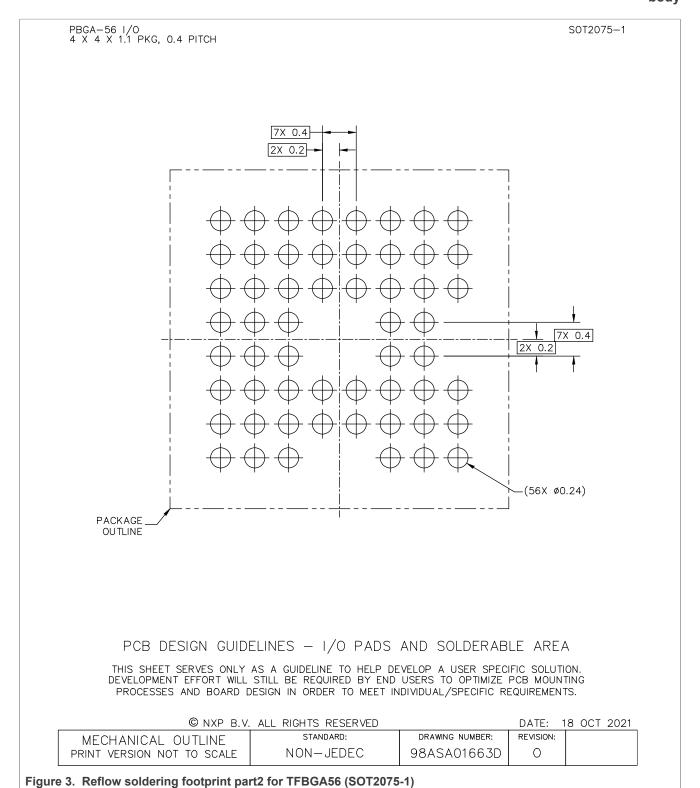
TFBGA56, thin fine-pitch ball grid array package, 56 terminals, 0.4 mm pitch, 4 mm x 4 mm x 1.1 mm

3 Soldering



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TFBGA56, thin fine-pitch ball grid array package, 56 terminals, 0.4 mm pitch, 4 mm x 4 mm x 1.1 mm



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TFBGA56, thin fine-pitch ball grid array package, 56 terminals, 0.4 mm pitch, 4 mm x 4 mm x 1.1 mm

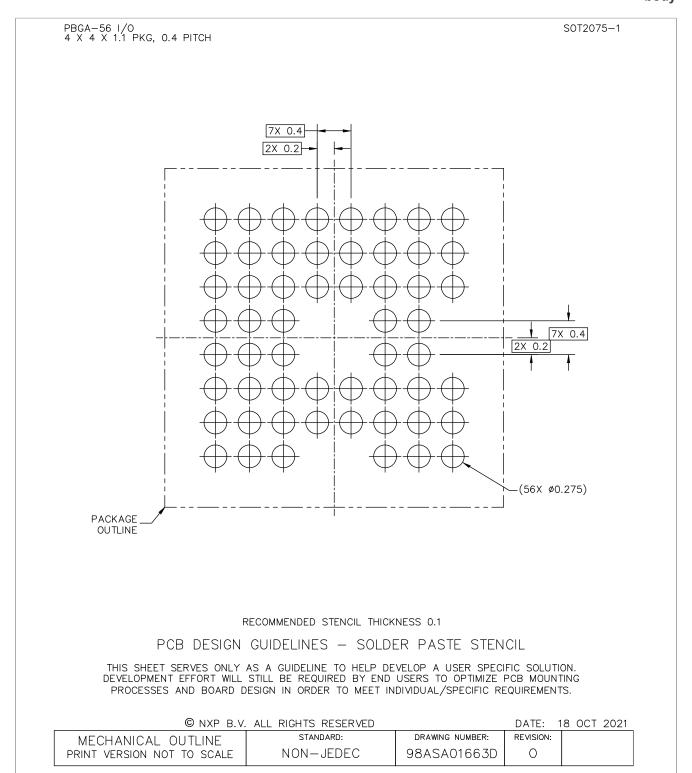


Figure 4. Reflow soldering footprint part3 for TFBGA56 (SOT2075-1)

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PBGA-56 I/O 4 X 4 X 1.1 PKG, 0.4 PITCH

S0T2075-1

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: 18 OCT 2021

MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	NON-JEDEC	98ASA01663D	0	

Figure 5. Package outline note TFBGA56 (SOT2075-1)

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4 Legal information

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Date of release: 28 April 2022