

# SOT2165-1

TFBGA306, thin fine-pitch ball grid array package, 306 terminals, 0.5 mm pitch, 11 mm x 11 mm x 1.258 mm body

3 March 2022

Package information

### 1 Package summary

Terminal position code	B (bottom)
Package type descriptive code	TFBGA306
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	11-05-2021
Manufacturer package code	98ASA01873D

#### Table 1. Package summary

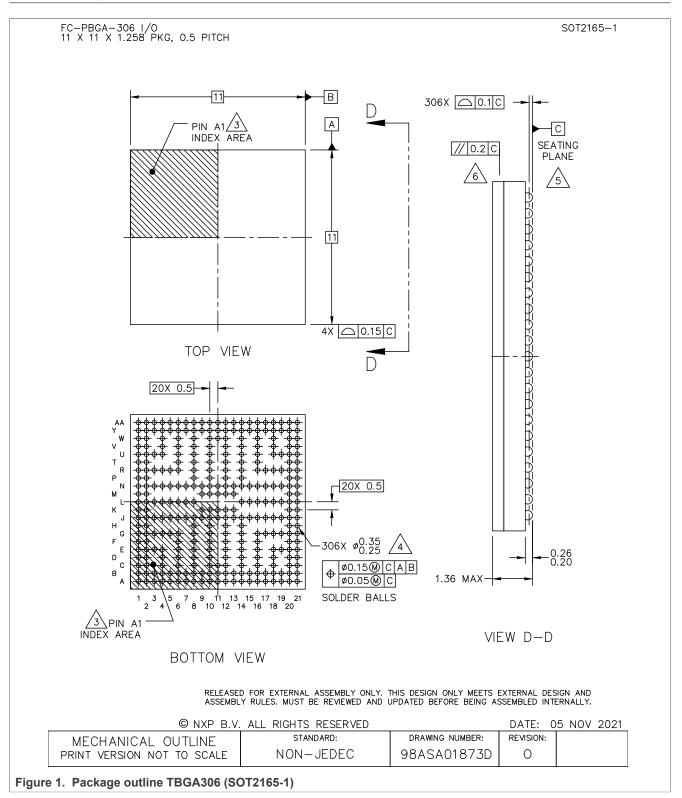
Parameter	Min	Nom	Мах	Unit
package length	-	11	-	mm
package width	-	11	-	mm
seated height	-	1.258	1.36	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	306	-	



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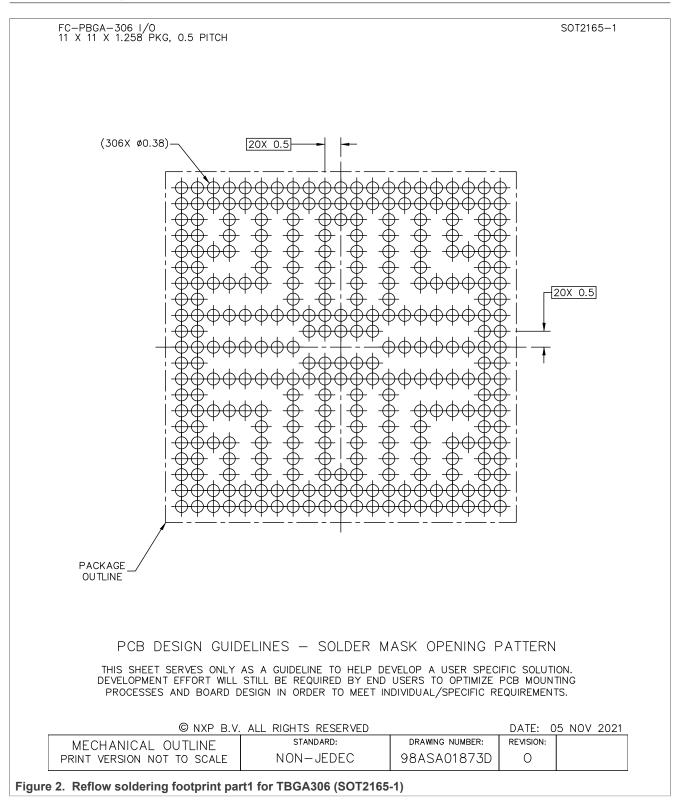
### 2 Package outline



### SOT2165-1

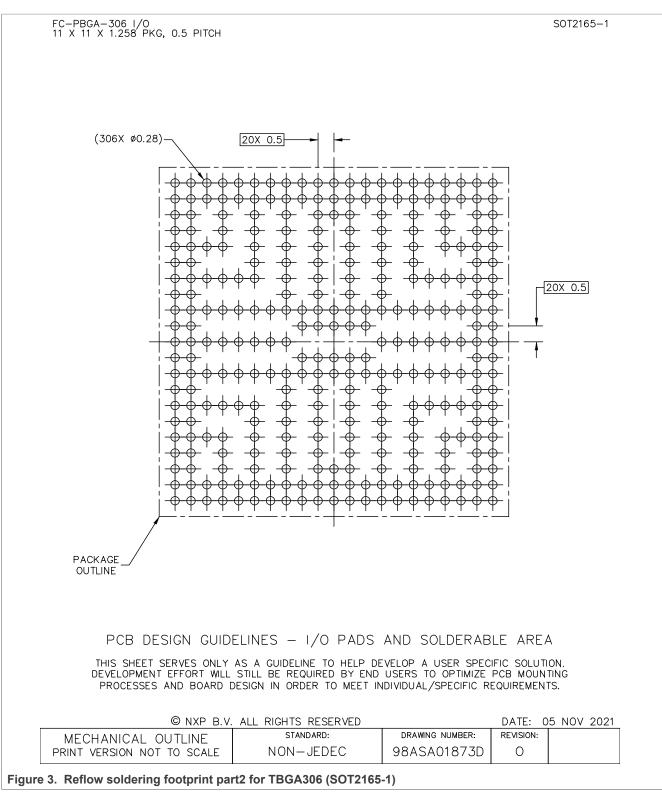
TFBGA306, thin fine-pitch ball grid array package, 306 terminals, 0.5 mm pitch, 11 mm x 11 mm x 1.258 mm body

### 3 Soldering



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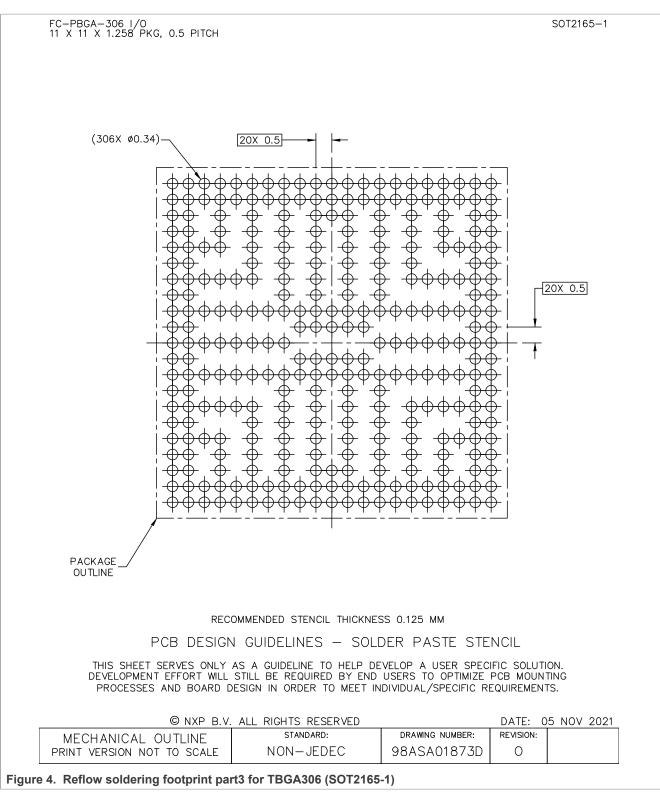
TFBGA306, thin fine-pitch ball grid array package, 306 terminals, 0.5 mm pitch, 11 mm x 11 mm x 1.258 mm body



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FC-PBGA-306 I/O 11 X 11 X 1.258 PKG, 0.5 PITCH SOT2165-1 NOTES: 1. ALL DIMENSIONS IN MILLIMETERS. 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994. PIN A1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY. /3 MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C. ∕₄` DATUM C THE SEATING PLANE, IS DETERMINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS. ſ, PARALLELISM MEASUREMENT SHALL EXCLUDE ANY EFFECT OF MARK ON TOP SURFACE OF PACKAGE. © NXP B.V. ALL RIGHTS RESERVED DATE: 05 NOV 2021 STANDARD: DRAWING NUMBER: **REVISION:** MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE NON-JEDEC 98ASA01873D 0 Figure 5. Package outline note TBGA306 (SOT2165-1)

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### 4 Legal information

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