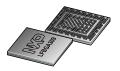
SOT2128-1

LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body

28 June 2023 Package information



1 Package summary

Terminal position code B (bottom)

Package type descriptive code LFBGA309

Package style descriptive code LFBGA (low profile fine-pitch ball grid array)

Mounting method type S (surface mount)

Issue date21-06-2023Manufacturer package code98ASA01727D

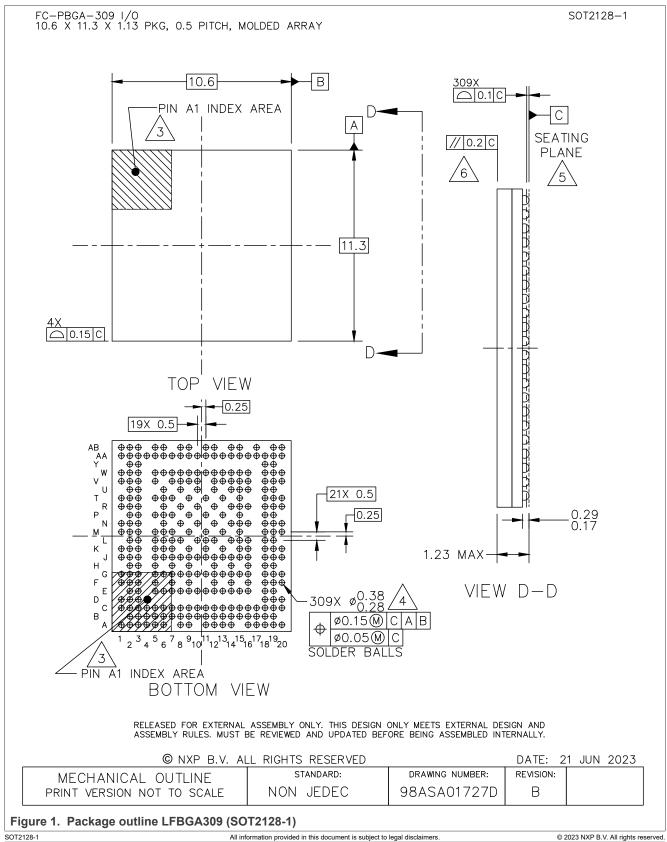
Table 1. Package summary

Parameter	Min	Nom	Max	Unit				
package length	10.45	10.6	10.75	mm				
package width	11.15	11.3	11.45	mm				
package height	-	1.13	1.23	mm				
nominal pitch	-	0.5	-	mm				
actual quantity of termination	-	309	-					



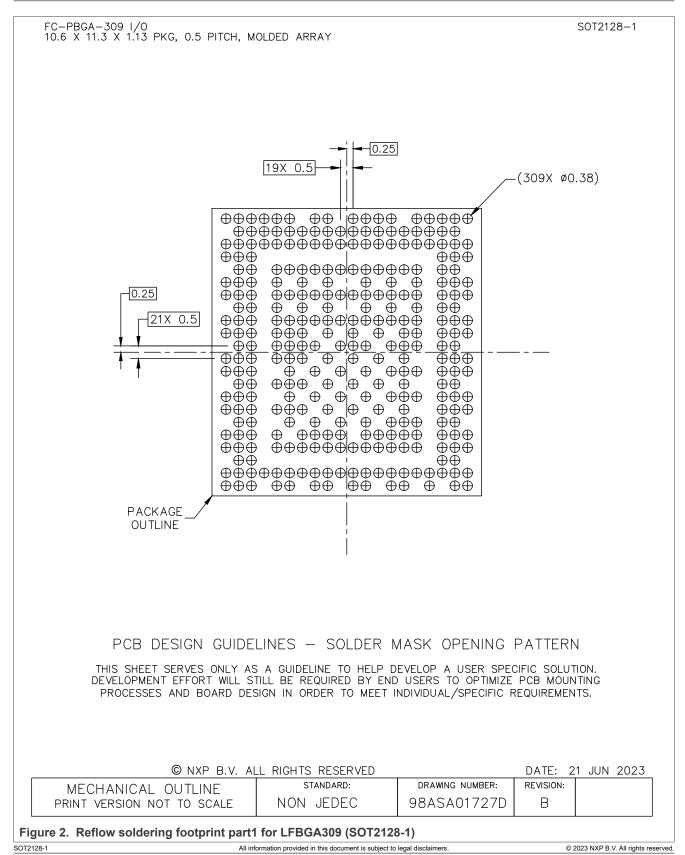
LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body

2 Package outline

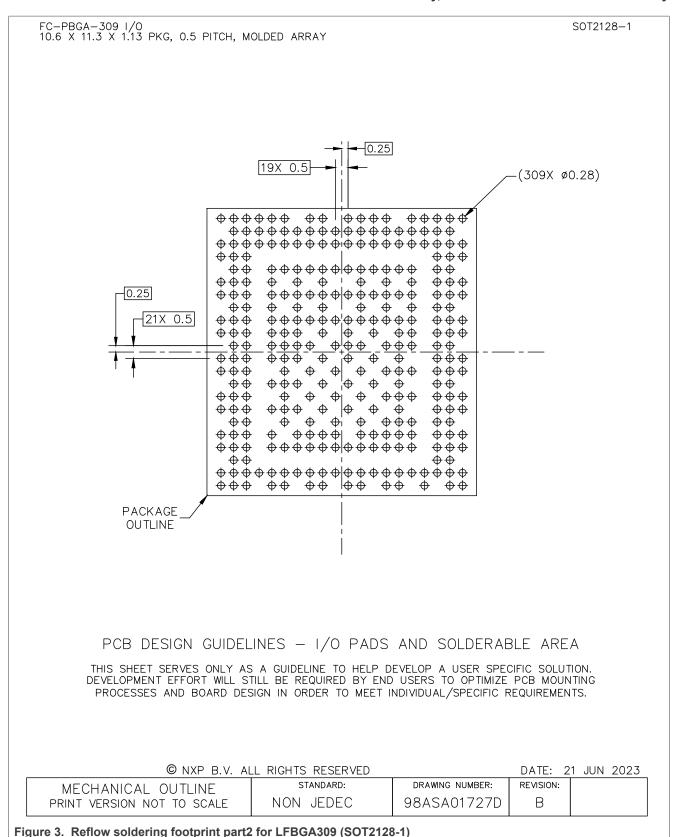


LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body

3 Soldering



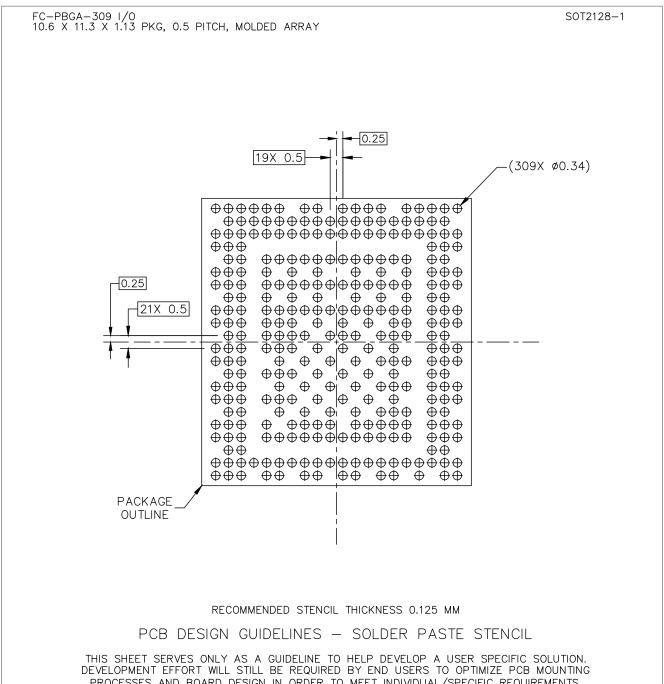
LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body



SOT2128-1

SOT2128-1 **NXP Semiconductors**

LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body



PROCESSES AND BOARD DESIGN IN ORDER TO MEET INDIVIDUAL/SPECIFIC REQUIREMENTS.

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MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	NON JEDEC	98ASA01727D	В	

Figure 4. Reflow soldering footprint part3 for LFBGA309 (SOT2128-1)

SOT2128-1

LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body

FC-PBGA-309 I/O 10.6 X 11.3 X 1.13 PKG, 0.5 PITCH, MOLDED ARRAY S0T2128-1

NOTES:

1. ALL DIMENSIONS IN MILLIMETERS.

SOLDER BALLS.

2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

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



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

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MECHANICAL OUTLINE STANDARD: DRAWING NUMBER: REVISION: PRINT VERSION NOT TO SCALE NON JEDEC 98ASA01727D B

Figure 5. Package outline note LFBGA309 (SOT2128-1)

DATE: 21 JUN 2023

LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body

4 Legal information

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LFBGA309, low profile fine-pitched ball grid array package, 309 terminals, 0.5 mm pitch, molded array, 10.6 mm x 11.3 mm x 1.13 mm body

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