

SOT2139-1

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body

19 May 2021

Package information

1 Package summary

Terminal position code	B (bottom)
Package type descriptive code	LFBGA169
Package style descriptive code	LFBGA (low profile fine-pitch ball grid array)
Package body material type	P (plastic)
Mounting method type	S (surface mount)
Issue date	28-04-2021
Manufacturer package code	98ASA01774D

Table 1. Package summary

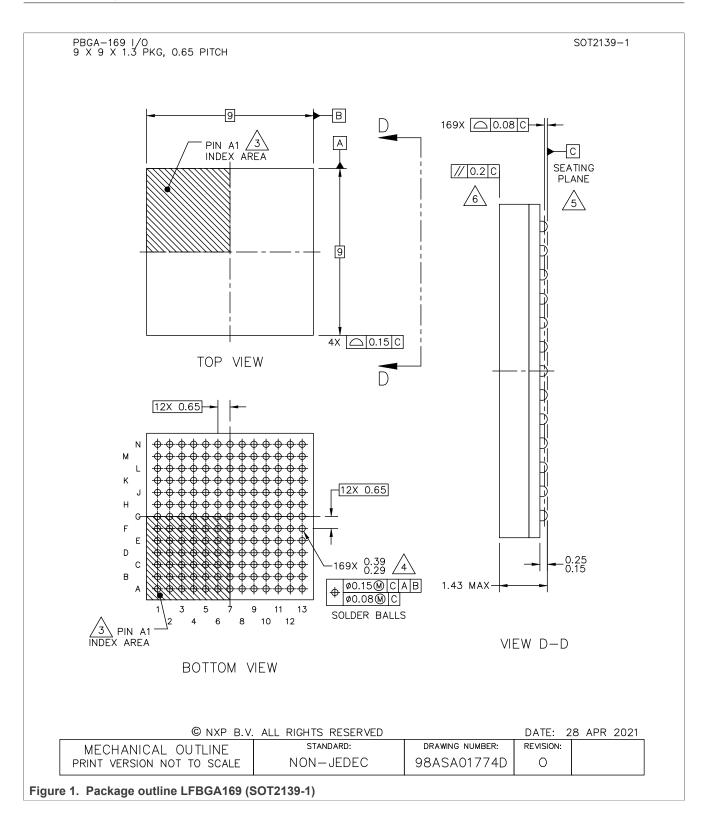
Parameter	Min	Nom	Мах	Unit
package length	8.85	9	9.15	mm
package width	8.85	9	9.15	mm
package height	-	1.3	1.43	mm
nominal pitch	-	0.65	-	mm
actual quantity of termination	-	169	-	



SOT2139-1

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body

2 Package outline

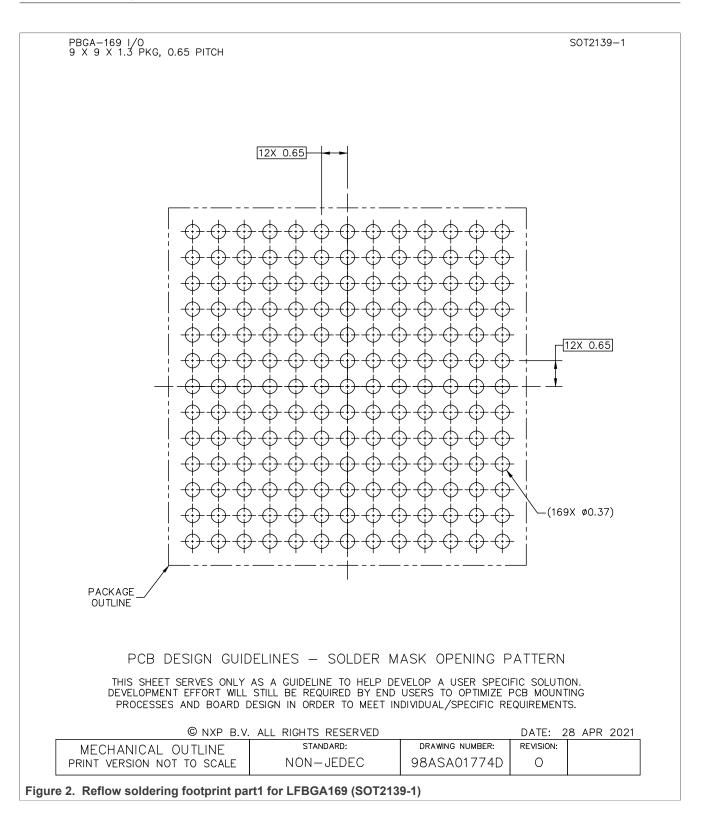


SOT2139-1
Package information

SOT2139-1

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body

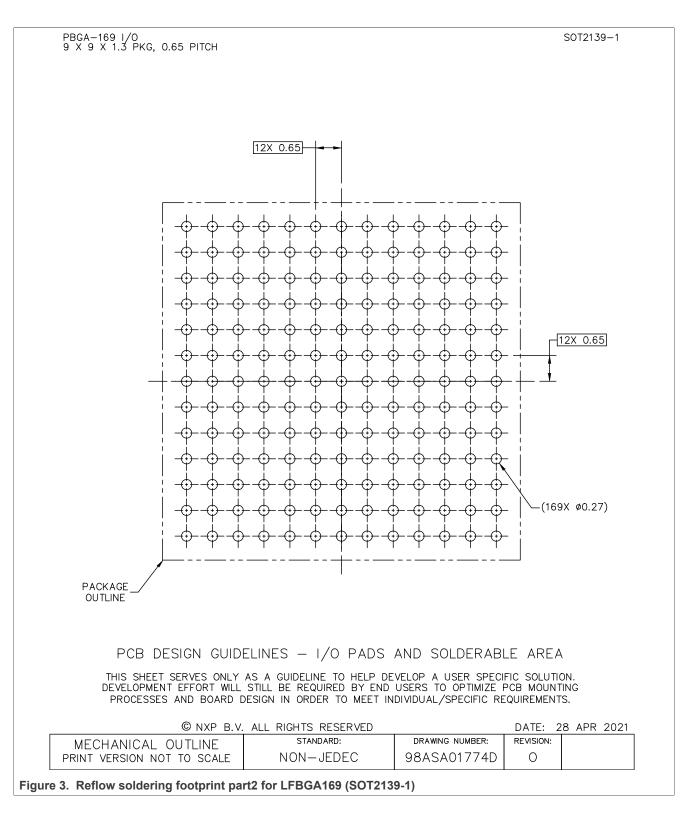
3 Soldering



SOT2139-1

NXP Semiconductors

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body

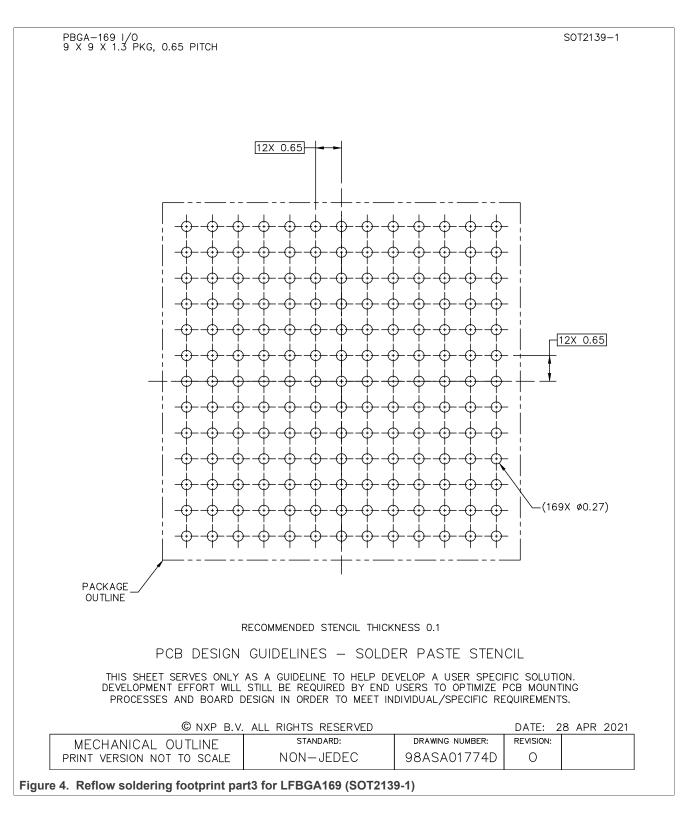


SOT2139-1
Package information

SOT2139-1

NXP Semiconductors

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body



SOT2139-1
Package information

SOT2139-1

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body

PBGA-169 I/O 9 X 9 X 1.3 PKG, 0.65 PITCH			SOT2139-1
NOTES:			
1. ALL DIMENSIONS IN MILLIMETERS.			
2. DIMENSIONING AND TOLERANCING	PER ASME Y14.5M-199	94.	
3. PIN A1 FEATURE SHAPE, SIZE AI	ND LOCATION MAY VARY	<i>ι</i> .	
4. MAXIMUM SOLDER BALL DIAMETE	R MEASURED PARALLEL	TO DATUM C.	
5. DATUM C, THE SEATING PLANE, SOLDER BALLS.	IS DETERMINED BY THE	SPHERICAL CROWNS C	F THE
6. PARALLELISM MEASUREMENT SHA	ALL EXCLUDE ANY EFFEC	CT OF MARK ON TOP S	SURFACE
© NXP B.V. ALI	_ RIGHTS RESERVED		DATE: 28 APR 202
MECHANICAL OUTLINE	STANDARD:		REVISION:
PRINT VERSION NOT TO SCALE	NON-JEDEC	98ASA01774D	0
5. Package outline note LFBGA169 ((SOT2139-1)		

SOT2139-1

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body

4 Legal information

Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, NXP Semiconductors does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. NXP Semiconductors takes no responsibility for the content in this document if provided by an information source outside of NXP Semiconductors.

In no event shall NXP Semiconductors be liable for any indirect, incidental, punitive, special or consequential damages (including without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, NXP Semiconductors' aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the Terms and conditions of commercial sale of NXP Semiconductors.

Right to make changes — NXP Semiconductors reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

SOT2139-1

LFBGA169, low-profile fine-pitch ball grid array package, 169 terminals, 0.65 mm pitch, 9 mm x 9 mm x 1.3 mm body

Contents

1	Package summary1
2	Package outline
3	Soldering3
4	Legal information7

© NXP B.V. 2021.

For more information, please visit: http://www.nxp.com For sales office addresses, please send an email to: salesaddresses@nxp.com Date of release: 19 May 2021