

WLCSP16, wafer level chip-scale package; 16 bumps; 1.84 mm x 1.84 mm x 0.5 mm body

29 May 2018

Package information

1. Package summary

Terminal position code
Package type descriptive code
Package style descriptive code
Mounting method type
Issue date
Manufacturer package code

B (bottom) WLCSP16 WLCSP (wafer level chip-size package) S (surface mount) 9-2-2018 98ASA01190D

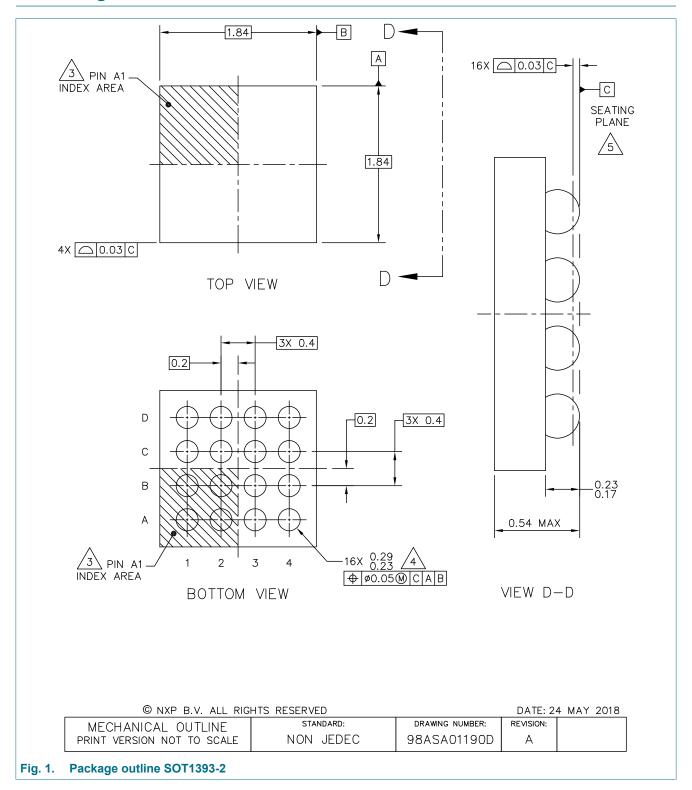
Table 1. Package summary

Parameter	Min	Nom	Мах	Unit
package length	-	1.84	-	mm
package width	-	1.84	-	mm
seated height	-	0.5	0.54	mm
nominal pitch	-	0.4	-	mm
actual quantity of termination	-	16	-	A/A



WLCSP16, wafer level chip-scale package; 16 bumps; 1.84 mm x 1.84 mm x 0.5 mm body

2. Package outline



WLCSP16, wafer level chip-scale package; 16 bumps; 1.84 mm x 1.84 mm x 0.5 mm body

NOTES:

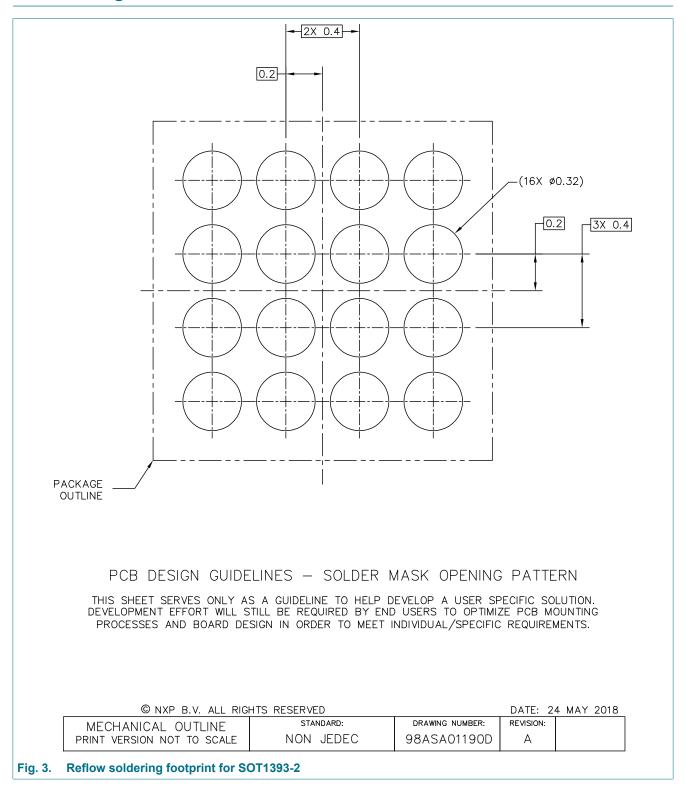
- 1. ALL DIMENSIONS IN MILLIMETERS.
- 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
- 3 PIN A1 CONFIGURATION MAY VARY.
- 4. MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C.
- $\sqrt{5.}$ datum C, the seating plane, is determined by the spherical crowns of the solder balls.

	© NXP B.V. ALL RIG	HTS RESERVED STANDARD:	DRAWING NUMBER:	DATE: 2 REVISION:	4 MAY 2018
	PRINT VERSION NOT TO SCALE	NON JEDEC	98ASA01190D	А	
Fig. 2.	Package outline note WLCSP16 (SOT1393-2)			

Package information

WLCSP16, wafer level chip-scale package; 16 bumps; 1.84 mm x 1.84 mm x 0.5 mm body

3. Soldering

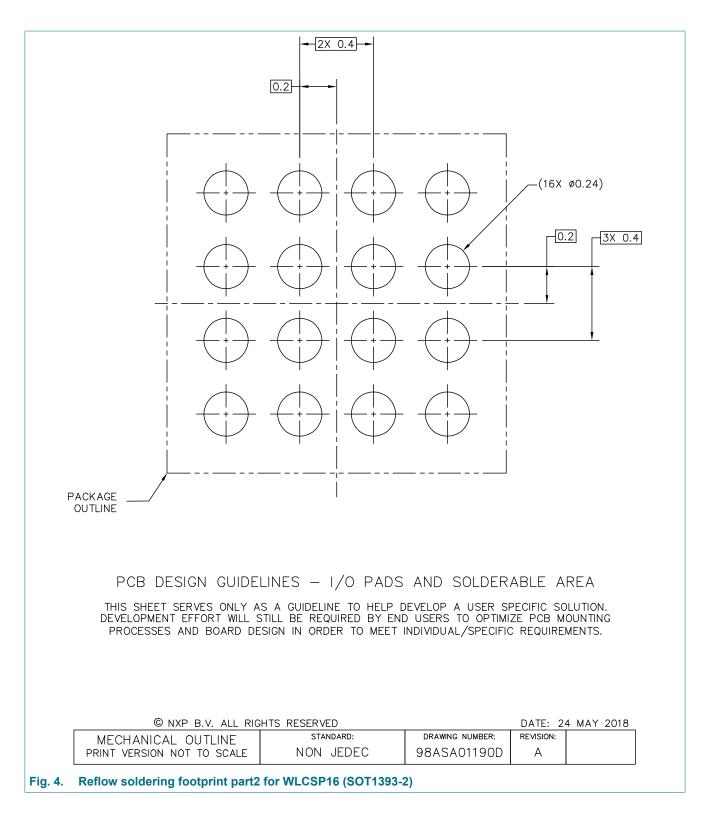


SOT1393-2

NXP Semiconductors

SOT1393-2

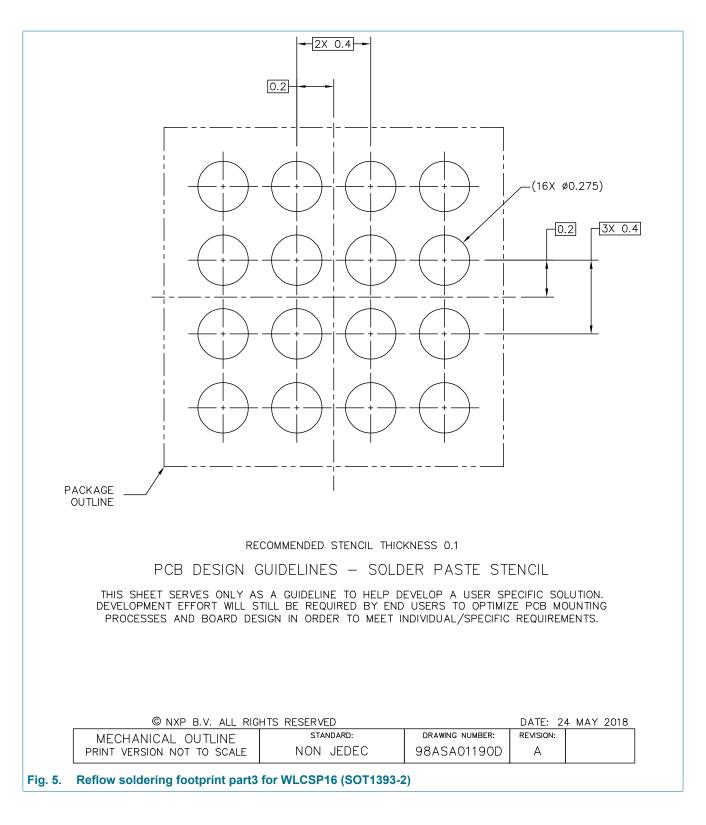




NXP Semiconductors

SOT1393-2





Package information

WLCSP16, wafer level chip-scale package; 16 bumps; 1.84 mm x 1.84 mm x 0.5 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.

WLCSP16, wafer level chip-scale package; 16 bumps; 1.84 mm x 1.84 mm x 0.5 mm body

5. Contents

1.	Package summary	1
2.	Package outline	2
3.	Soldering	4
4.	Legal information	7

© NXP B.V. 2018. All rights reserved

For more information, please visit: http://www.nxp.com For sales office addresses, please send an email to: salesaddresses@nxp.com Date of release: 29 May 2018