

# SOT1899-1 BGA1313, ball grid array package, 1313 terminals, 0.75 mm pitch, 29 mm x 29 mm x 2.37 mm body 28 June 2019 Package information

Package information

#### **Package summary** 1

Terminal position code B (bottom) BGA1313 Package type descriptive code

Package style descriptive code BGA (ball grid array)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 04-06-2019

98ASA00969D Manufacturer package code

Table 1. Package summary

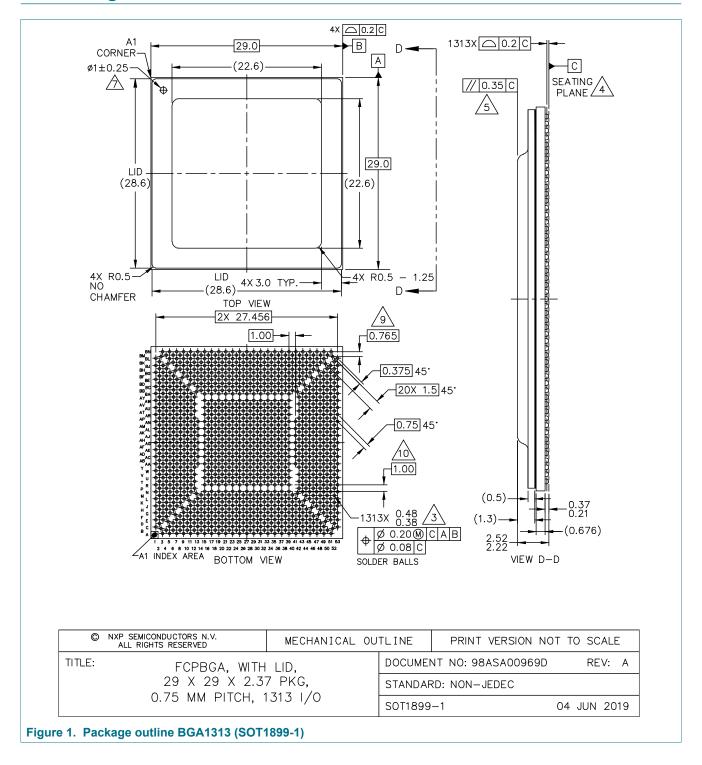
Parameter	Min	Nom	Max	Unit
package length	-	29	-	mm
package width	-	29	-	mm
package height	-	2.37	-	mm
nominal pitch	-	0.75	-	mm
actual quantity of termination	-	1313	-	



NXP Semiconductors SOT1899-1

BGA1313, ball grid array package, 1313 terminals, 0.75 mm pitch, 29 mm x 29 mm x 2.37 mm body

# 2 Package outline



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#### NOTES:

- 1. ALL DIMENSIONS IN MILLIMETERS.
- 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C.

DATUM C, THE SEATING PLANE, IS DETERMINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.



 $^{\prime}$ 5 $^{\setminus}$  parallelism measurement shall exclude any effect of mark on top surface OF PACKAGE.

ALL DIMENSIONS ARE SYMMETRIC ACROSS THE PACKAGE CENTER LINES, UNLESS DIMENSIONED OTHERWISE.



/7. $\setminus$  PIN 1 THRU HOLE SHALL BE CENTERED WITHIN FOOT AREA.

8. LID OVERHANG ON SUBSTRATE NOT ALLOWED.



EACH OF THE SIX BALLS IN THE FOUR DIAGONAL LANES BETWEEN DIE CORNER AND PACKAGE CORNER (24 TOTAL BALLS) ARE EQUAL DISTANCE TO THE FOUR CLOSEST SURROUNDING BALLS.

 $\cancel{10}$ 1MM BALL CENTER TO BALL CENTER BETWEEN INNER ARRAY AND OUTER ARRAY FOR ALL FOUR SIDES.

©	NXP SEMICONDUCTORS N.V. ALL RIGHTS RESERVED	MECHANICAL OU	TLINE	PRINT VERSION NOT	TO SCALE
29 X 29 X 2.37 PKG, 0.75 MM PITCH. 1313 I/O		DOCUMEN	NT NO: 98ASA00969D	REV: A	
		STANDARD: NON-JEDEC			
		SOT1899	<b>–</b> 1	04 JUN 2019	

Figure 2. Package outline note BGA1313 (SOT1899-1)

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# 3 Legal information

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