

1. Package summary

Terminal position code B (bottom)

Package type descriptive code VFBGA100

Package style descriptive code VFBGA (very thin fine-pitch ball grid array)

Mounting method type S (surface mount)

Issue date 3-4-2018

Manufacturer package code 98ASA01134D

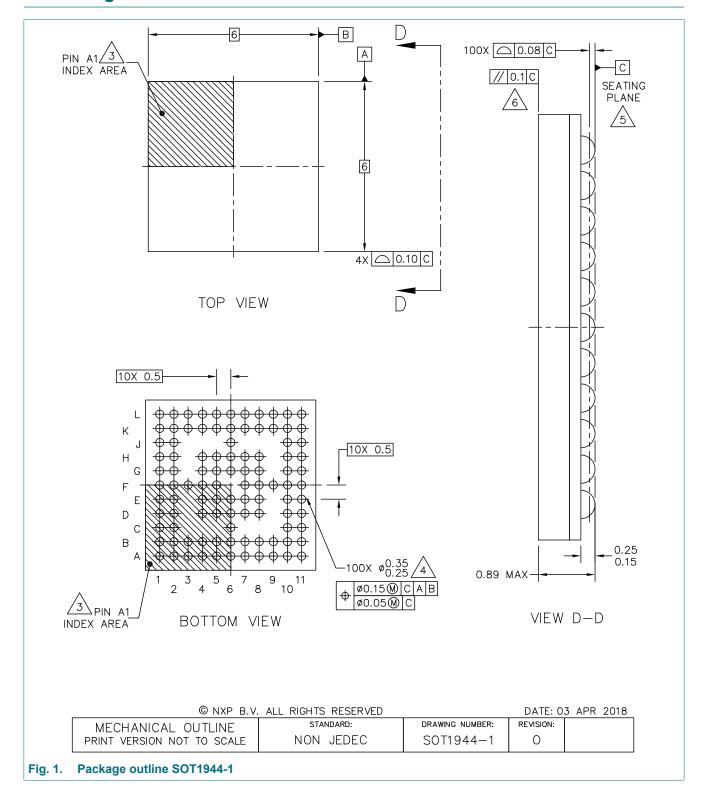
Table 1. Package summary

Symbol	Parameter	Min	Тур	Nom	Max	Unit
D	package length	-	-	6	-	mm
E	package width	-	-	6	-	mm
A ₂	package height	-	-	0.8	-	mm
е	nominal pitch	-	-	0.5	-	mm
n ₂	actual quantity of termination	-	-	100	-	A/A



VFBGA100, very thin fine-pitch ball grid array package, 100 terminals, 0.5 mm pitch, 6 mm x 6 mm x 0.8 mm body

2. Package outline



VFBGA100, very thin fine-pitch ball grid array package, 100 terminals, 0.5 mm pitch, 6 mm x 6 mm x 0.8 mm body

NOTES:

1. ALL DIMENSIONS IN MILLIMETERS.

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

4. MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C.

 $\sqrt{3}$. PIN A1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

4.\
5.

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

6.

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

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DATE: 03 APR 2018

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PRINT VERSION NOT TO SCALE	NON JEDEC	S0T1944-1	0	

Fig. 2. Package outline note VFBGA100 (SOT1944-1)

VFBGA100, very thin fine-pitch ball grid array package, 100 terminals, 0.5 mm pitch, 6 mm x 6 mm x 0.8

3. Soldering

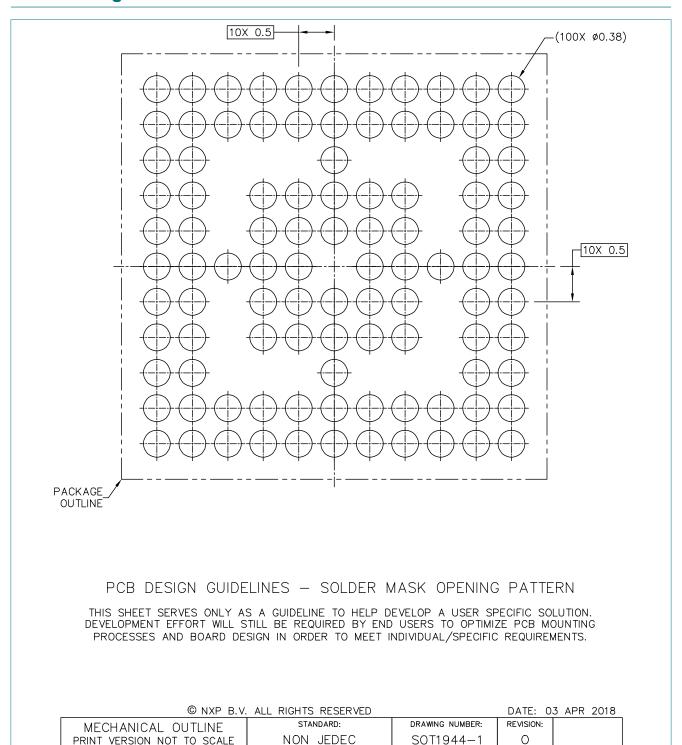


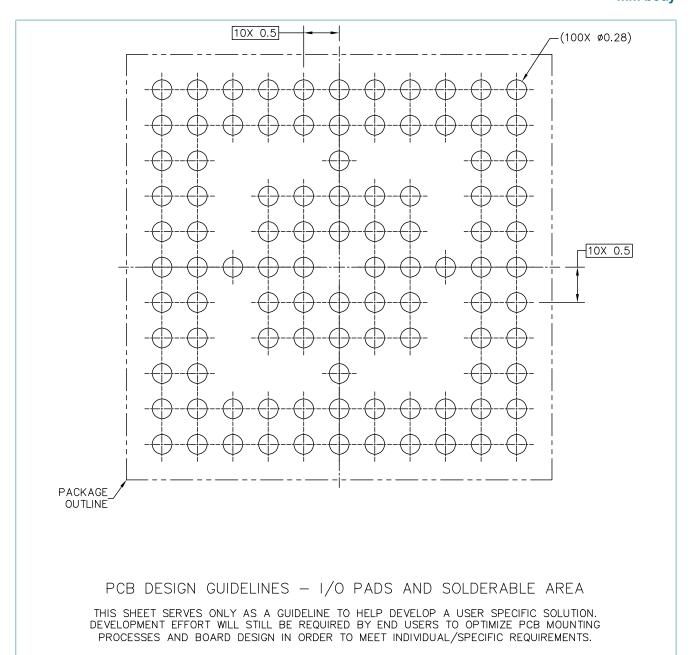
Fig. 3. **Reflow soldering footprint for SOT1944-1**

PRINT VERSION NOT TO SCALE

SOT1944-1

0

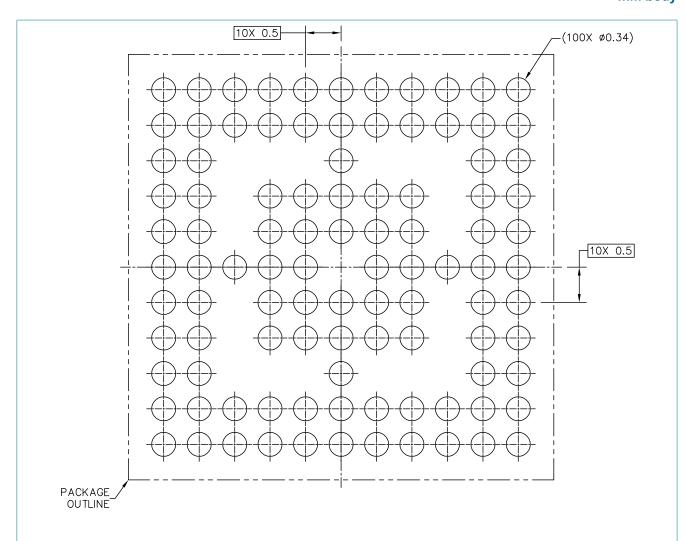
VFBGA100, very thin fine-pitch ball grid array package, 100 terminals, 0.5 mm pitch, 6 mm x 6 mm x 0.8 mm body



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Fig. 4. Reflow soldering footprint part2 for VFBGA100 (SOT1944-1)

VFBGA100, very thin fine-pitch ball grid array package, 100 terminals, 0.5 mm pitch, 6 mm x 6 mm x 0.8 mm body



RECOMMENDED STENCIL THICKNESS 0.125
PCB DESIGN GUIDELINES — SOLDER PASTE STENCIL

THIS SHEET SERVES ONLY AS A GUIDELINE TO HELP DEVELOP A USER SPECIFIC SOLUTION. DEVELOPMENT EFFORT WILL STILL BE REQUIRED BY END USERS TO OPTIMIZE PCB MOUNTING PROCESSES AND BOARD DESIGN IN ORDER TO MEET INDIVIDUAL/SPECIFIC REQUIREMENTS.

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Fig. 5. Reflow soldering footprint part3 for VFBGA100 (SOT1944-1)

VFBGA100, very thin fine-pitch ball grid array package, 100 terminals, 0.5 mm pitch, 6 mm x 6 mm x 0.8 mm body

4. Legal information

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VFBGA100, very thin fine-pitch ball grid array package, 100 terminals, 0.5 mm pitch, 6 mm x 6 mm x 0.8 mm body

5. Contents

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