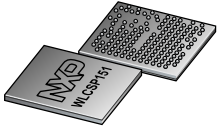


# SOT2152-1

WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

27 October 2023

Package information



## 1 Package summary

<b>Terminal position code</b>	P (perpendicular)
<b>Package type descriptive code</b>	WLCSP151
<b>Package style descriptive code</b>	WLCSP (wafer level chip-size package)
<b>Package body material type</b>	S (silicon)
<b>Mounting method type</b>	S (surface mount)
<b>Issue date</b>	04-05-2023
<b>Manufacturer package code</b>	98ASA01782D

Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	5.135	5.165	5.195	mm
package width	4.38	4.68	4.98	mm
package height	0.425	0.455	5.195	mm
nominal pitch	-	0.3	-	mm



WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

2 Package outline

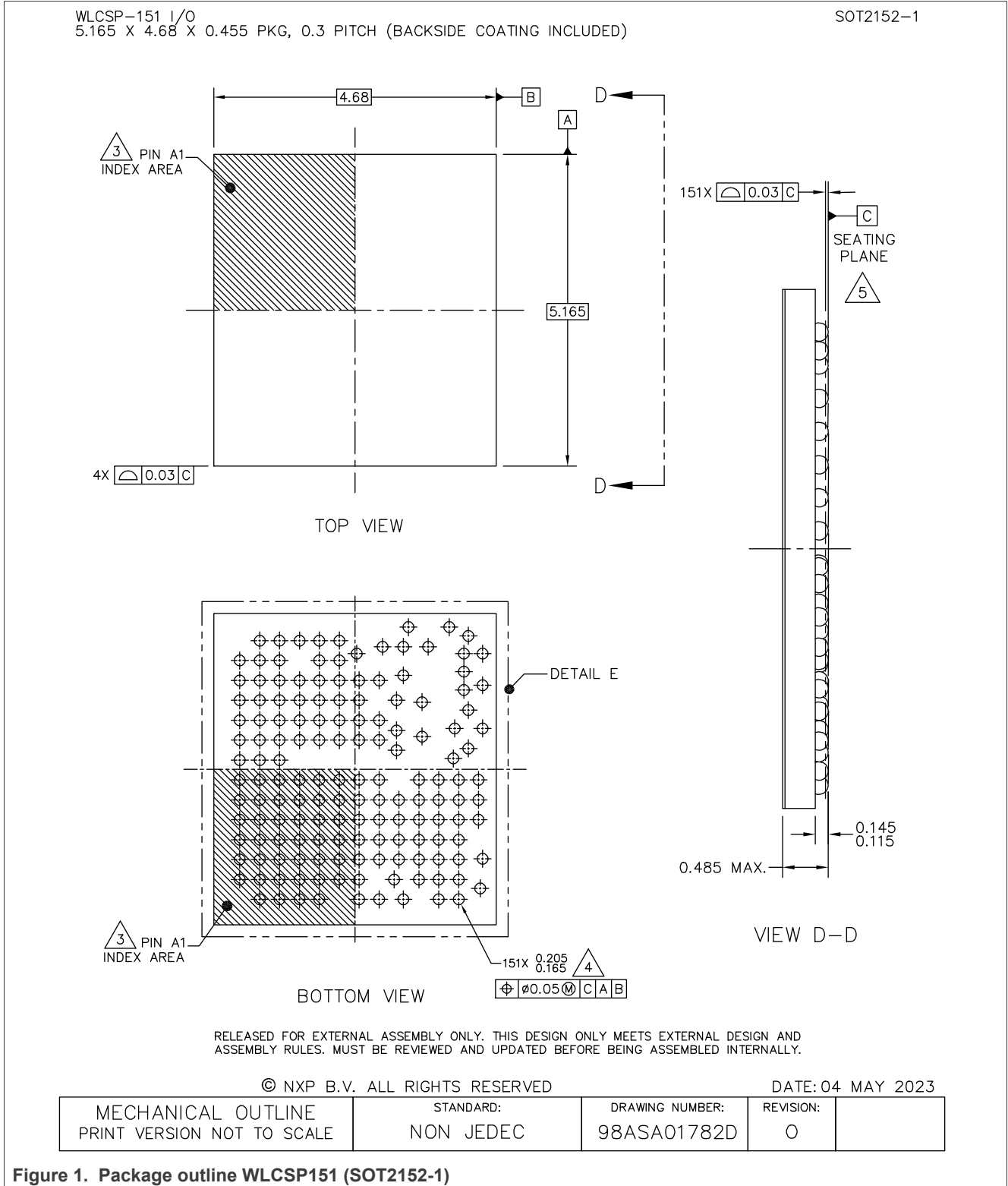


Figure 1. Package outline WLCSP151 (SOT2152-1)

WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

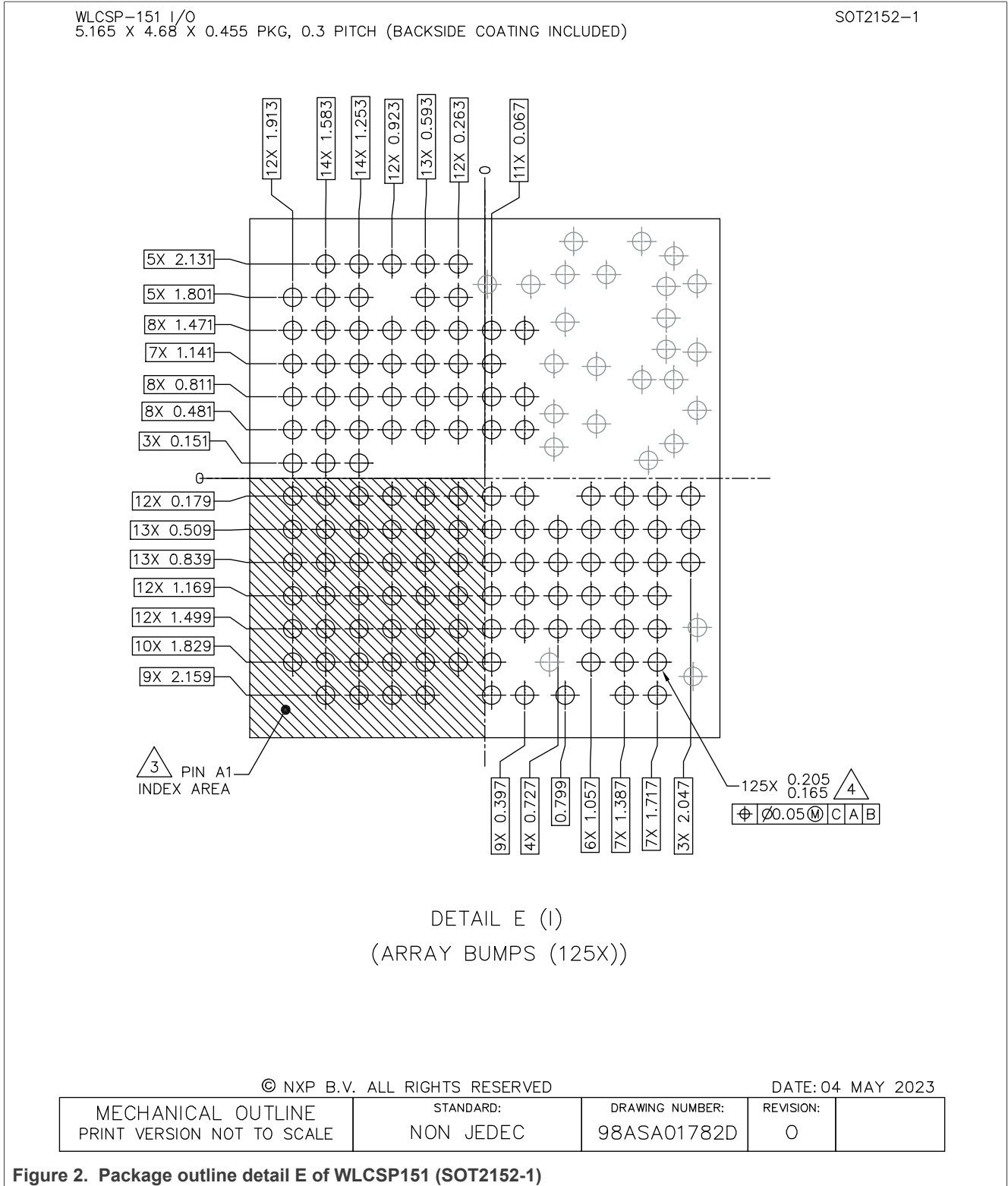
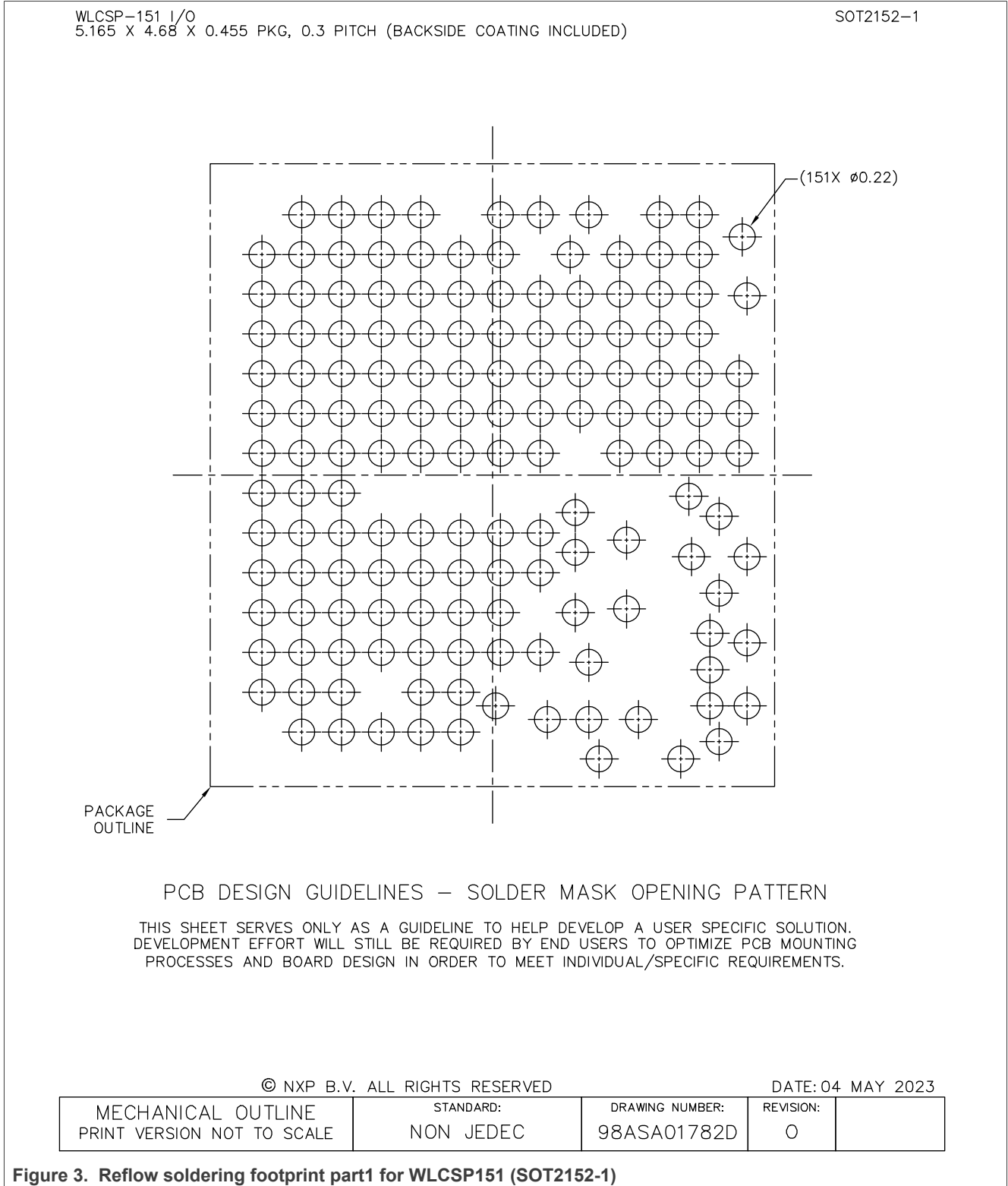


Figure 2. Package outline detail E of WLCSP151 (SOT2152-1)

WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

3 Soldering



WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

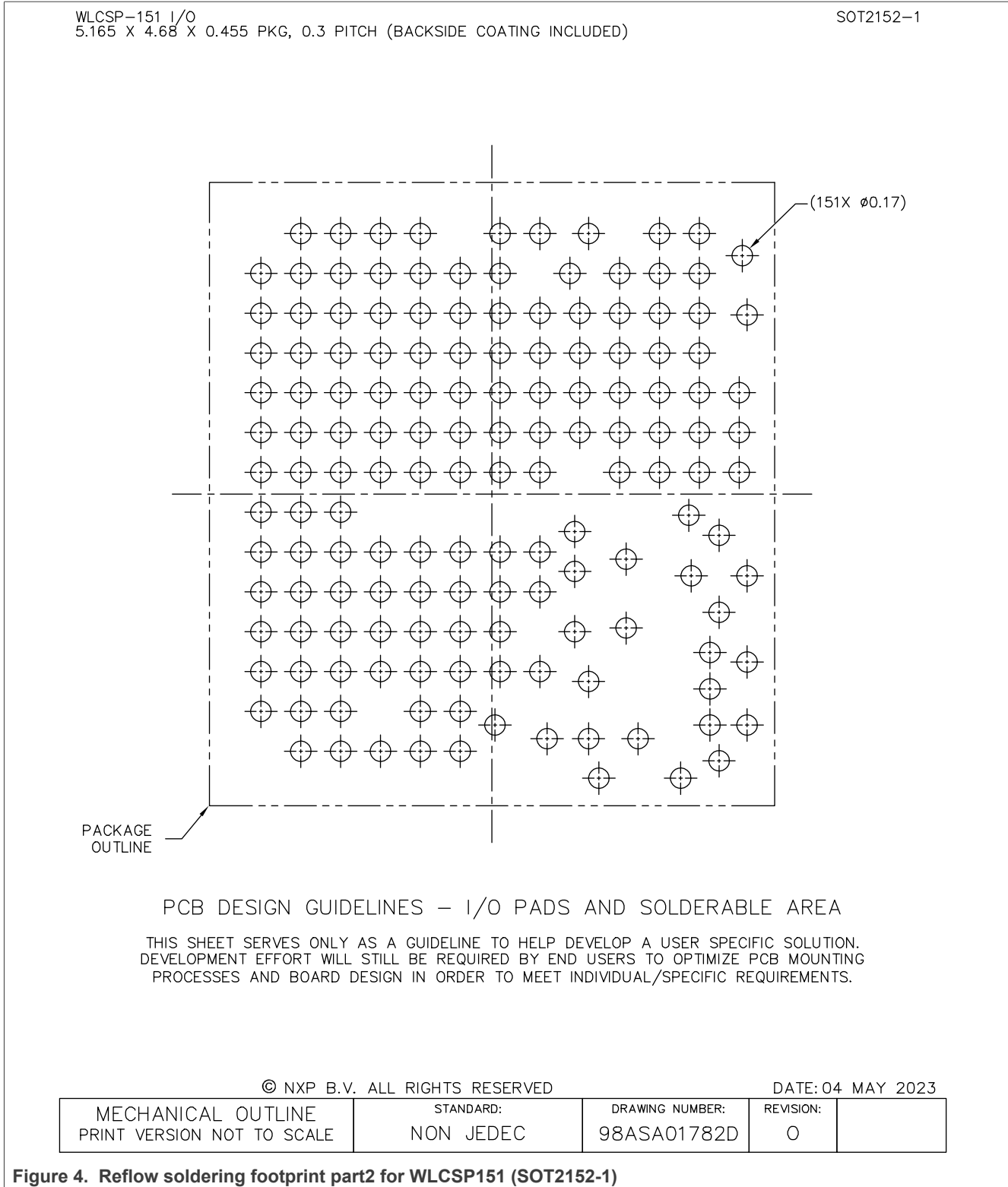


Figure 4. Reflow soldering footprint part2 for WLCSP151 (SOT2152-1)

WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

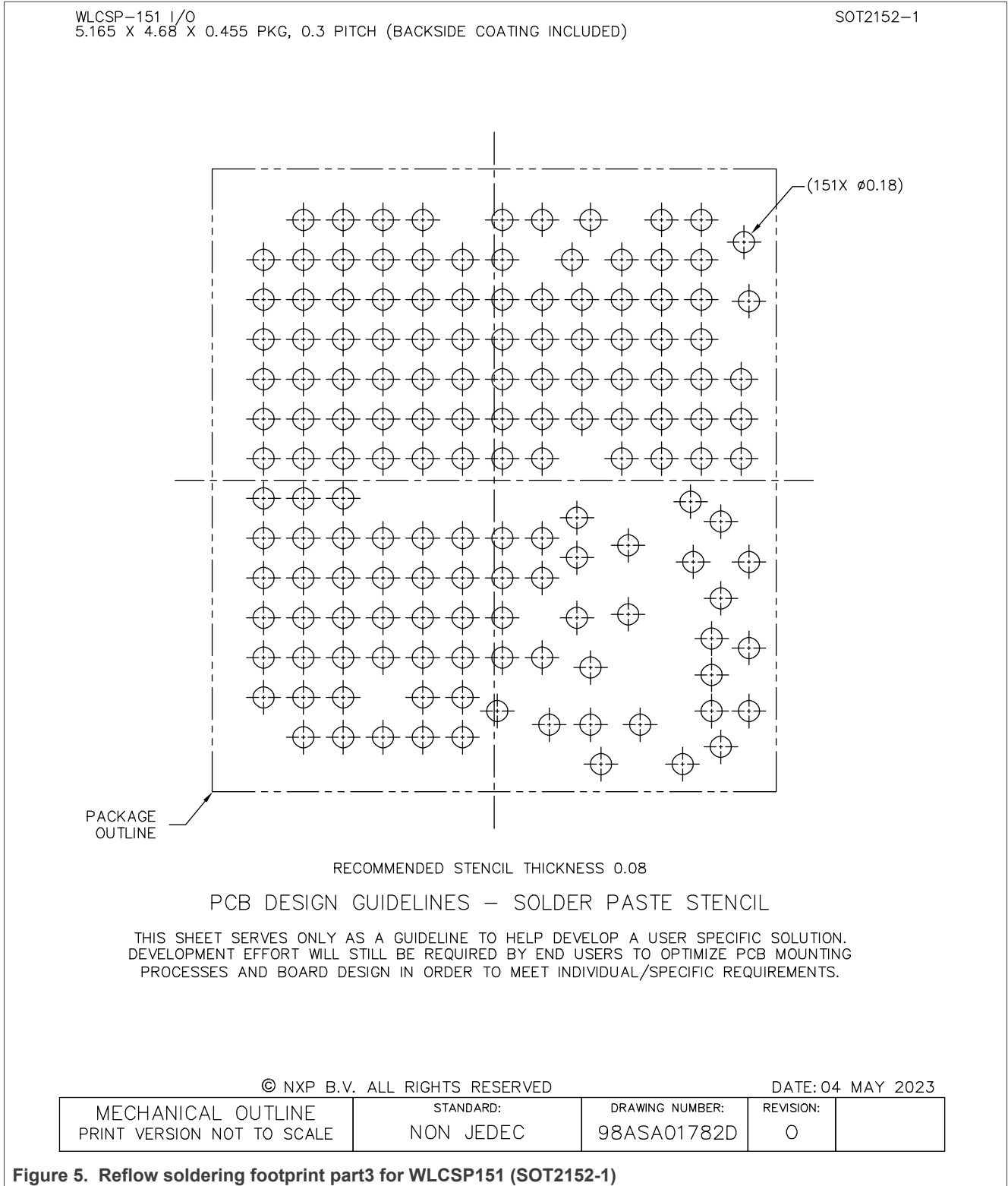


Figure 5. Reflow soldering footprint part3 for WLCSP151 (SOT2152-1)

WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

WLCSP-151 I/O  
5.165 X 4.68 X 0.455 PKG, 0.3 PITCH (BACKSIDE COATING INCLUDED)

SOT2152-1

NOTES:

1. ALL DIMENSIONS IN MILLIMETERS.
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
3. PIN A1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.
4. MAXIMUM SOLDER BALL DIAMETER MEASURED PARALLEL TO DATUM C.
5. DATUM C, THE SEATING PLANE, IS DETERMINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
6. THIS PACKAGE HAS A BACK SIDE COATING THICKNESS OF 0.025.

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DATE: 04 MAY 2023

MECHANICAL OUTLINE PRINT VERSION NOT TO SCALE	STANDARD: NON JEDEC	DRAWING NUMBER: 98ASA01782D	REVISION: 0	
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Figure 6. Package outline note WLCSP151 (SOT2152-1)

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WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

## 4 Legal information

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WLCSP151 wafer level chip-size package, 151 terminals, 0.3 mm pitch, 5.165 mm x 4.68 mm x 0.455 mm body (backside coating included)

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