# SOT1570-6

HLQFP100, plastic, thermal enhanced low profile quad flat package; 100 terminals; 0.5 mm pitch; 14 mm x 14 mm x 1.4 mm body

3 January 2024 Package information



#### 1 Package summary

Terminal position code Q (quad)
Package type descriptive code HLQFP100

Package style descriptive code HLQFP (thermal enhanced low profile quad flat package)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date07-09-2023Manufacturer package code98ASA01897D

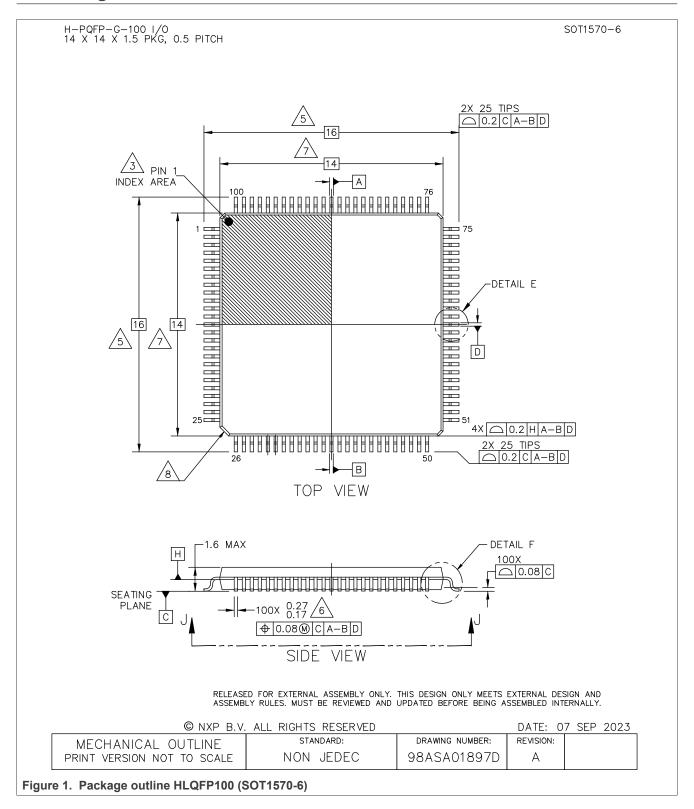
Table 1. Package summary

Table 11 Tuestage culturary							
Parameter	Min	Nom	Max	Unit			
package length	-	14	-	mm			
package width	-	14	-	mm			
seated height	-	1.4	1.6	mm			
nominal pitch	-	0.5	-	mm			
actual quantity of termination	-	100	-				

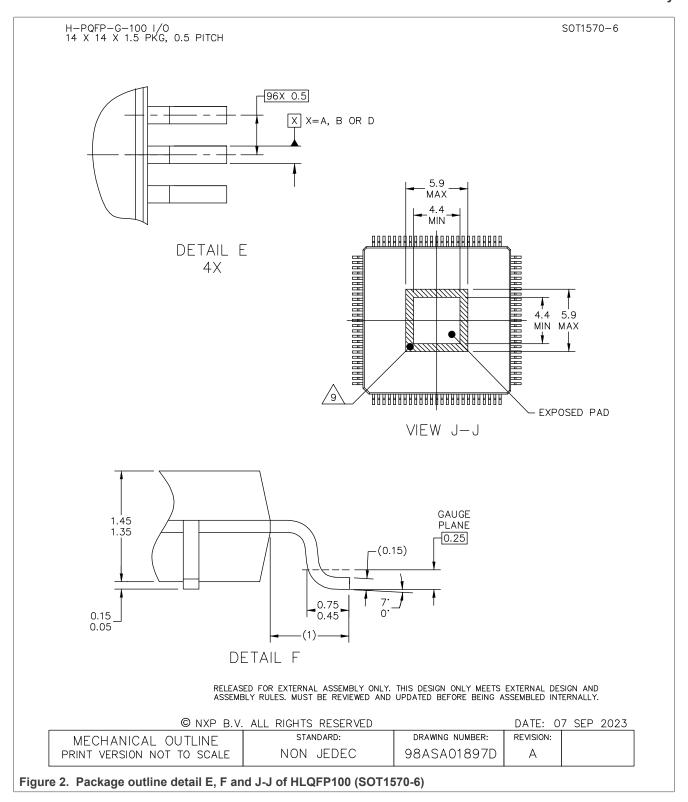


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## 2 Package outline

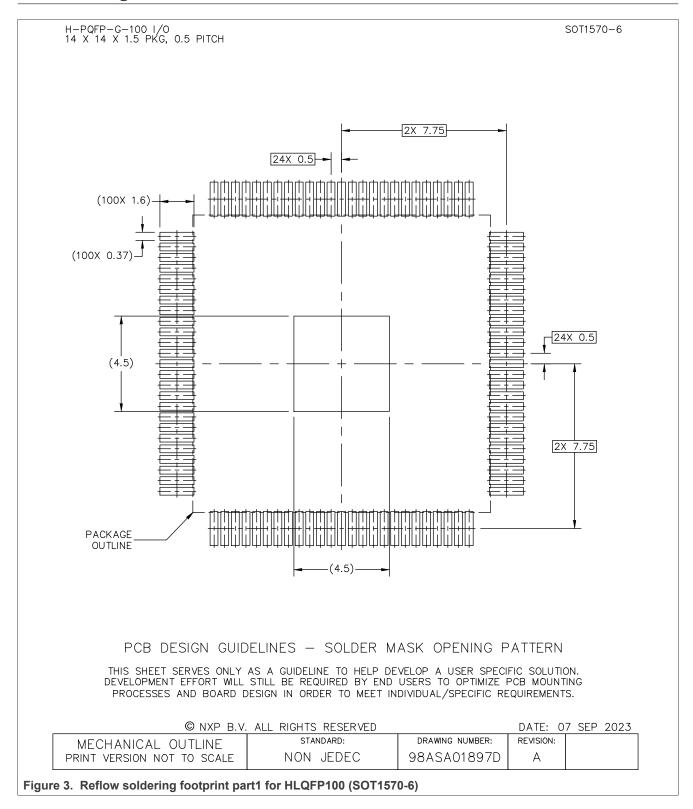


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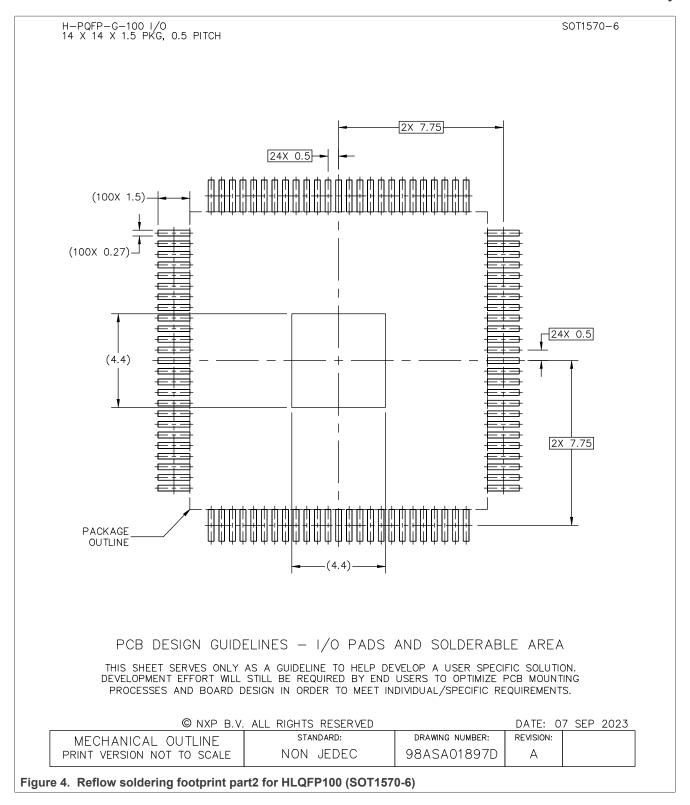


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## 3 Soldering

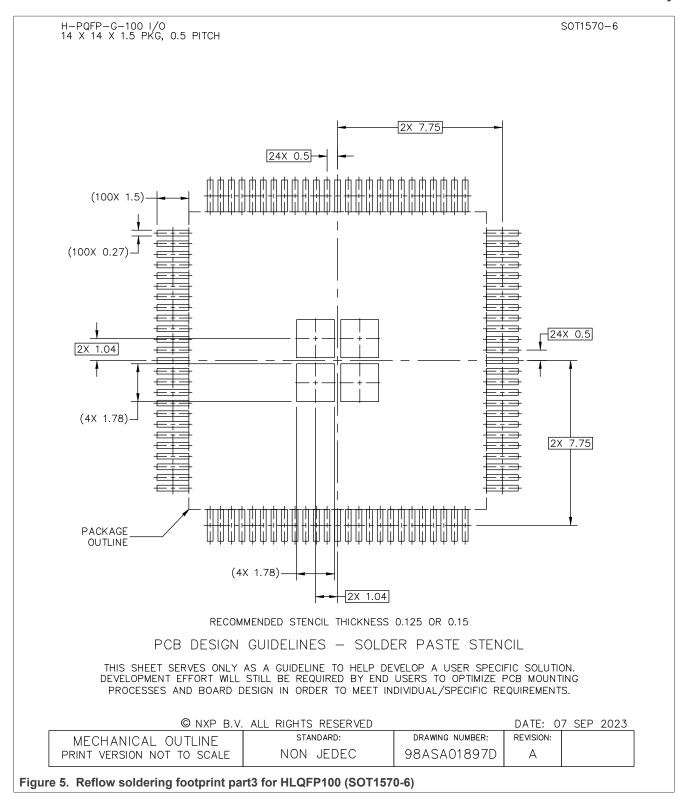


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H-PQFP-G-100 I/O 14 X 14 X 1.5 PKG, 0.5 PITCH SOT1570-6 NOTES: 1. DIMENSIONS ARE IN MILLIMETERS. 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994. /3.\ PIN 1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY. 4. DATUMS A, B AND D TO BE DETERMINED AT DATUM PLANE H.  $\sqrt{5.}$  dimension to be determined at seating plane c. THIS DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL NOT CAUSE THE LEAD WIDTH TO EXCEED THE UPPER LIMIT BY MORE THAN 0.08MM AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT. MINIMUM SPACE BETWEEN PROTRUSION AND ADJACENT LEAD SHALL NOT BE LESS THAN 0.07MM. THIS DIMENSION DOES NOT INCLUDE MOLD PROTRUSION. ALLOWABLE PROTRUSION IS 0.25MM PER SIDE. THIS DIMENSION IS MAXIMUM PLASTIC BODY SIZE DIMENSION INCLUDING MOLD MISMATCH. /8. EXACT SHAPE OF EACH CORNER IS OPTIONAL. 9\ HATCHED AREA TO BE KEEP OUT ZONE FOR PCB ROUTING.

© NXP B.V.	DATE: 0	7 SEP 2023		
MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	NON JEDEC	98ASA01897D	А	

Figure 6. Package outline note HLQFP100 (SOT1570-6)

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## 4 Legal information

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