SOT2098-1

172 HDQFP_EP, thermally enhanced High Density Quad Flat Package_Exposed Pad, 172 leads, 16 x 16 x 1.65, 0.65 mm pitch

1 July 2024 Package information



1 Package summary

Terminal position code Q (quad)

Package type descriptive code 172 HDQFP_EP

Package body material type P (plastic)

JEDEC package outline code MO-355 F

Mounting method type S (surface mount)

Issue date 16-08-2023

Manufacturer package code 98ASA01667D

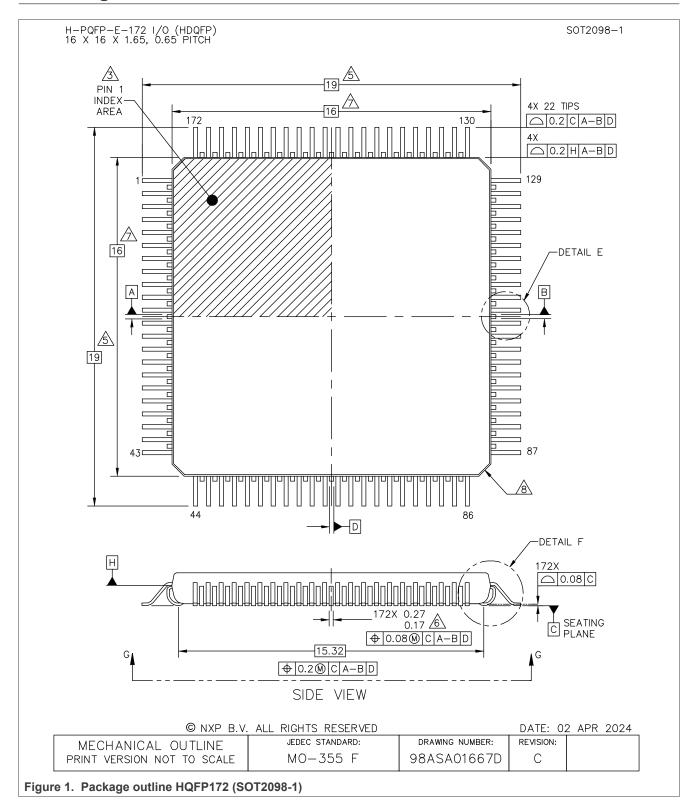
Table 1. Package summary

Table 11 Tuestage cultillary						
Parameter	Min	Nom	Max	Unit		
package length	15.6	16	16.4	mm		
package width	15.6	16	16.4	mm		
seated height	-	1.65	1.75	mm		
nominal pitch	-	0.65	-	mm		
actual quantity of termination	-	172	-			

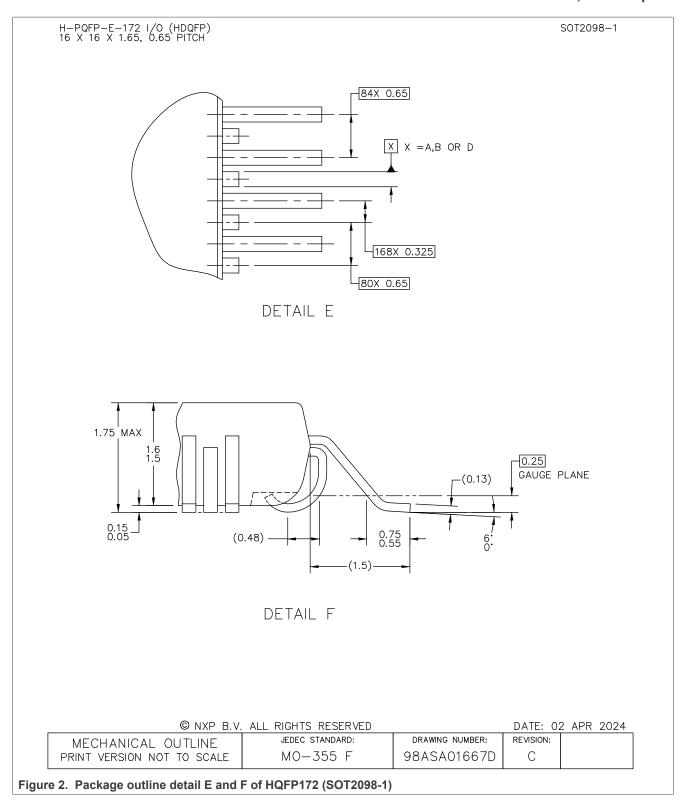


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2 Package outline

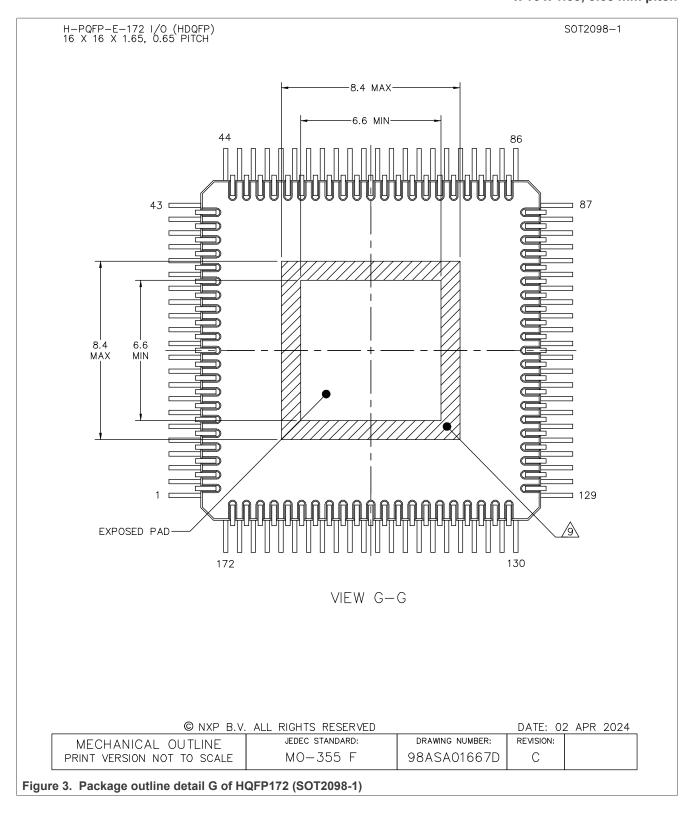


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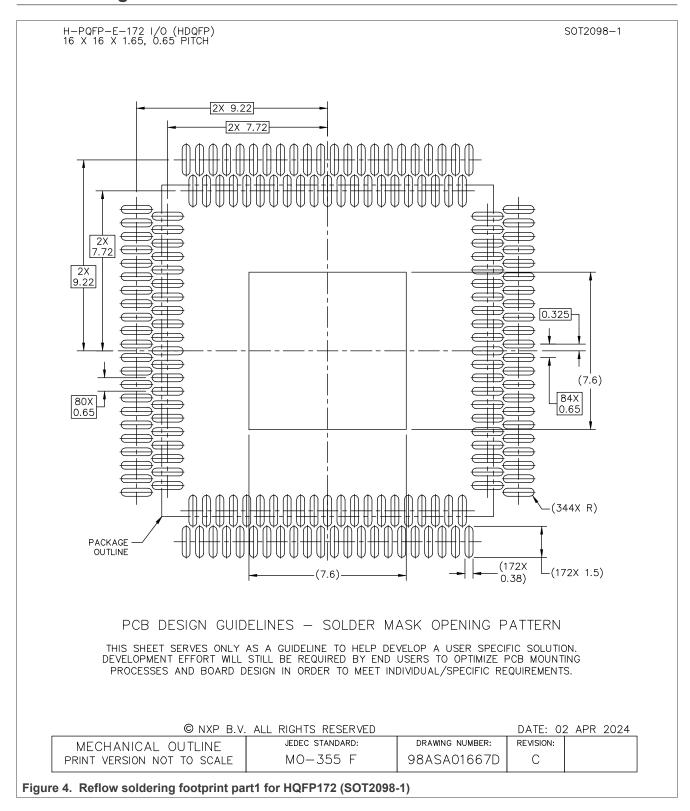
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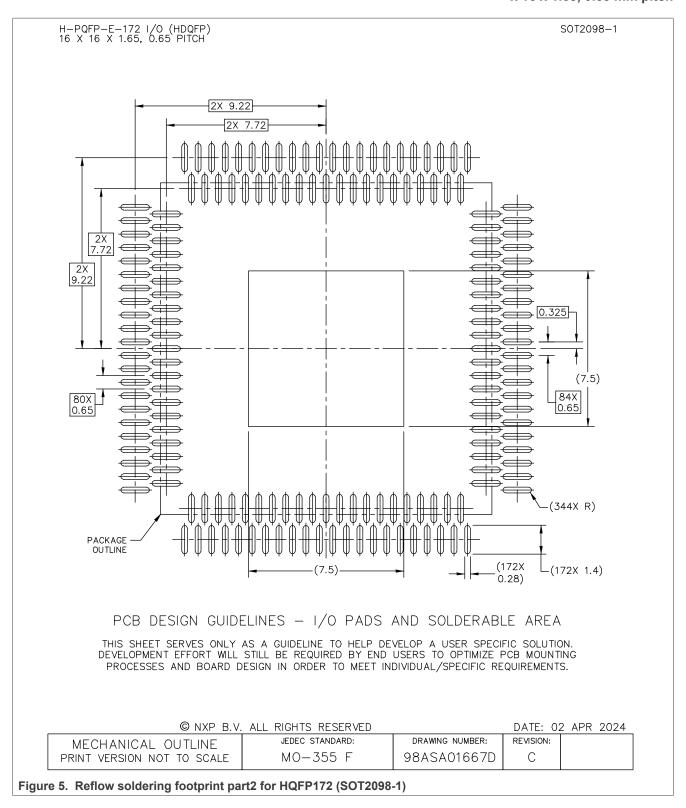


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3 Soldering

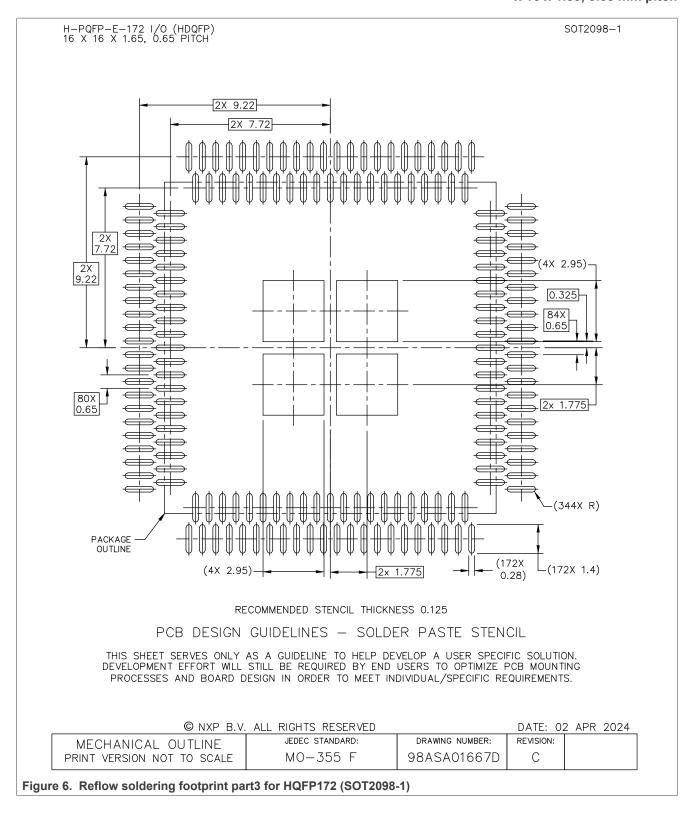


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H-PQFP-E-172 I/O (HDQFP) 16 X 16 X 1.65, 0.65 PITCH

S0T2098-1

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.

6. 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.

 $\cancel{9}$ hatched area represents possible mold flash on exposed pad.

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MECHANICAL OUTLINE	JEDEC STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	MO-355 F	98ASA01667D	С	

Figure 7. Package outline note HQFP172 (SOT2098-1)

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4 Legal information

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