# SOT1940-1

PQFP-E-172; plastic qual flat package; 172 terminals, 0.65 mm pitch, 16 mm x 16 mm x 1.65 mm body.

3 August 2023 Package information



## 1 Package summary

Terminal position codeQ (quad)Package type descriptive codeHDQFP172Package type industry codePQFP-E-172

Package style descriptive code QFP (quad flat package)

Package body material type P (plastic)

JEDEC package outline code MO-355 F

Mounting method type S (surface mount)

Issue date 16-05-2023

Manufacturer package code 98ASA01107D

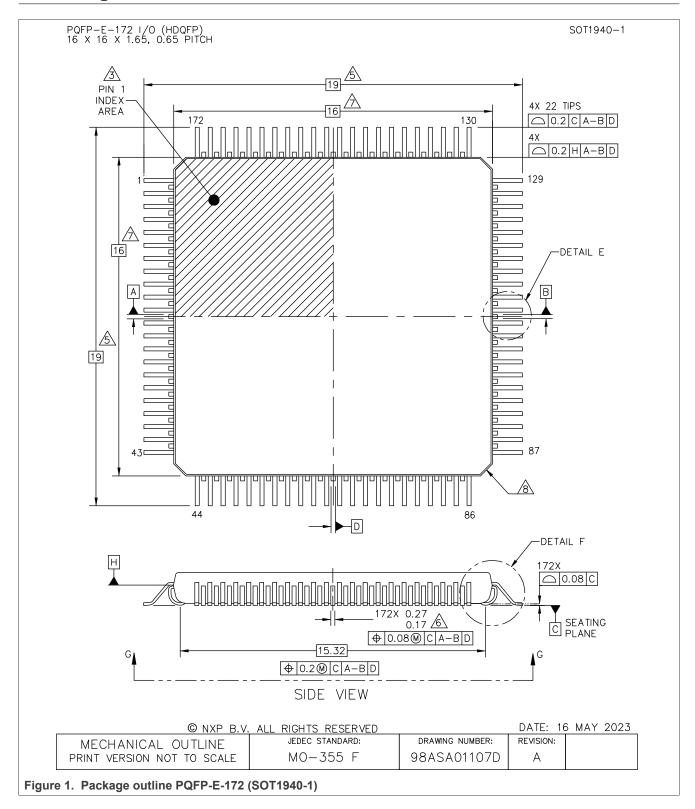
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	16	-	mm
package width	-	16	-	mm
seated height	-	1.65	1.75	mm
package height	1.5	1.55	1.6	mm
nominal pitch	-	0.65	-	mm
actual quantity of termination	-	172	-	

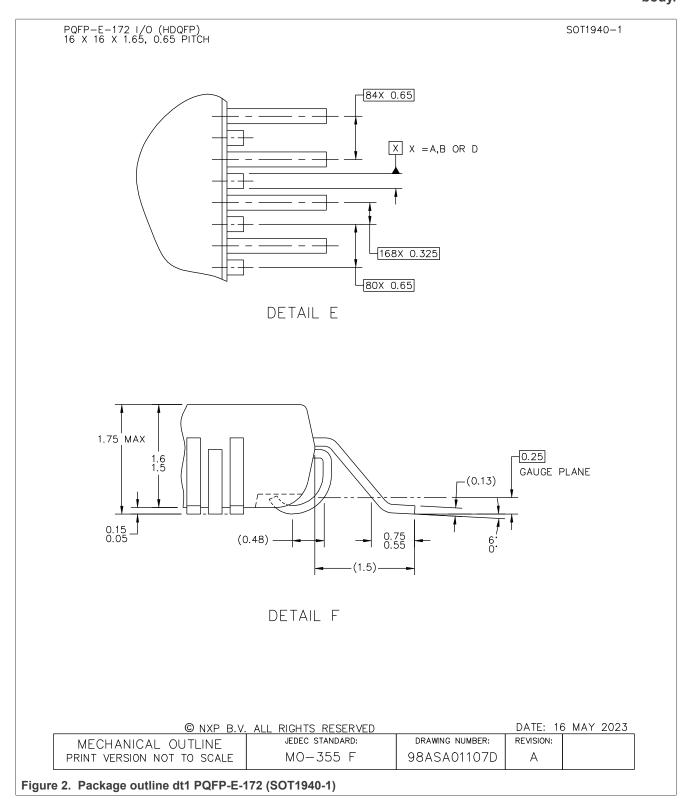


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## 2 Package outline

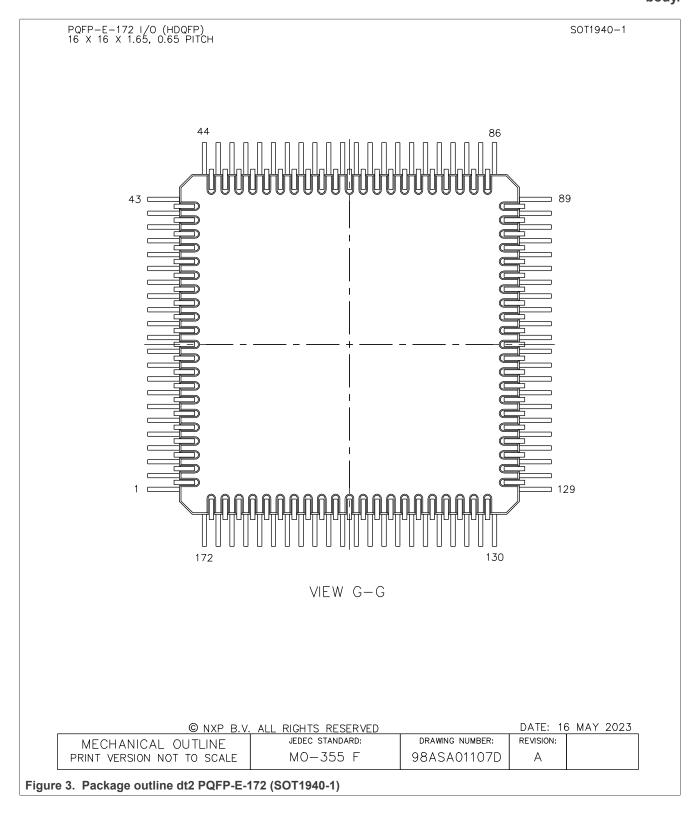


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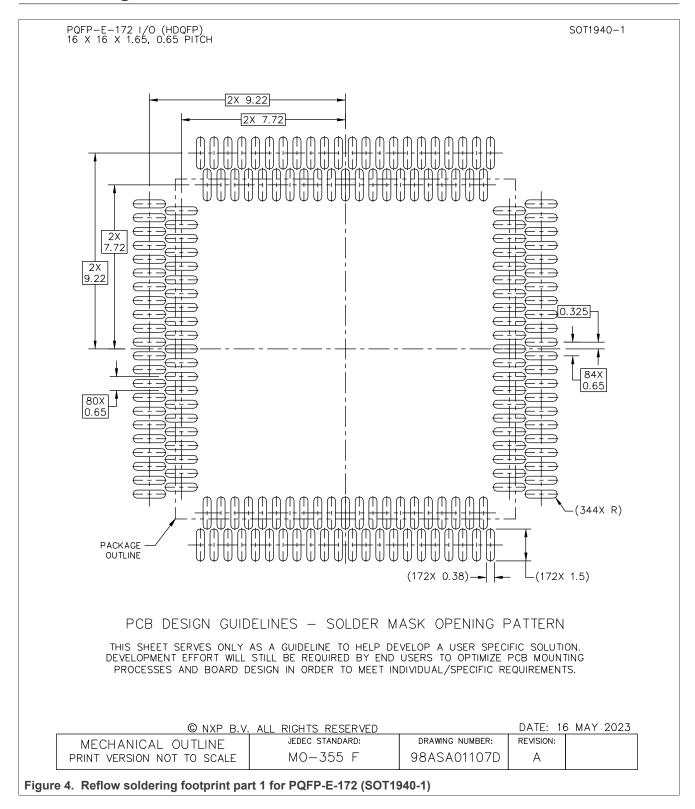
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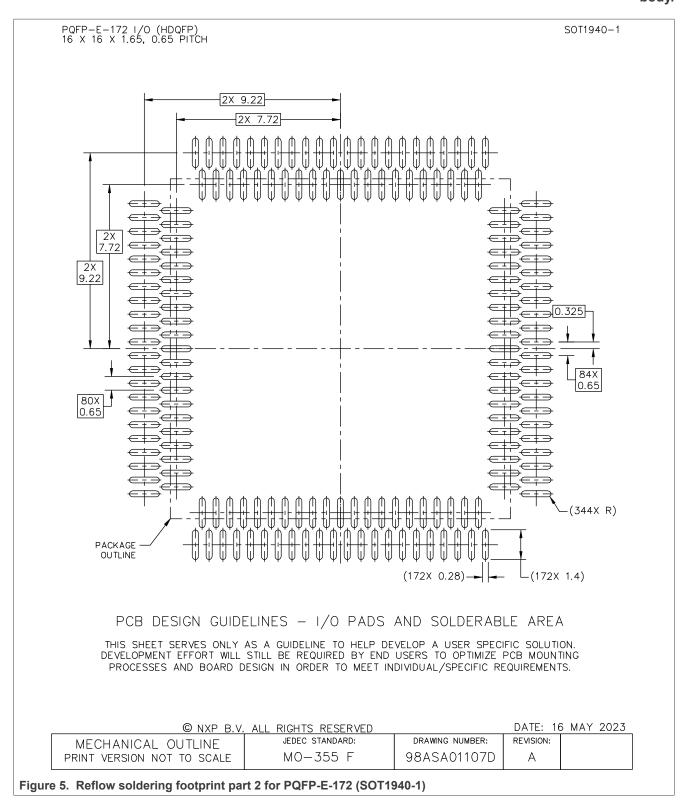


PQFP-E-172; plastic qual flat package; 172 terminals, 0.65 mm pitch, 16 mm x 16 mm x 1.65 mm

## 3 Soldering

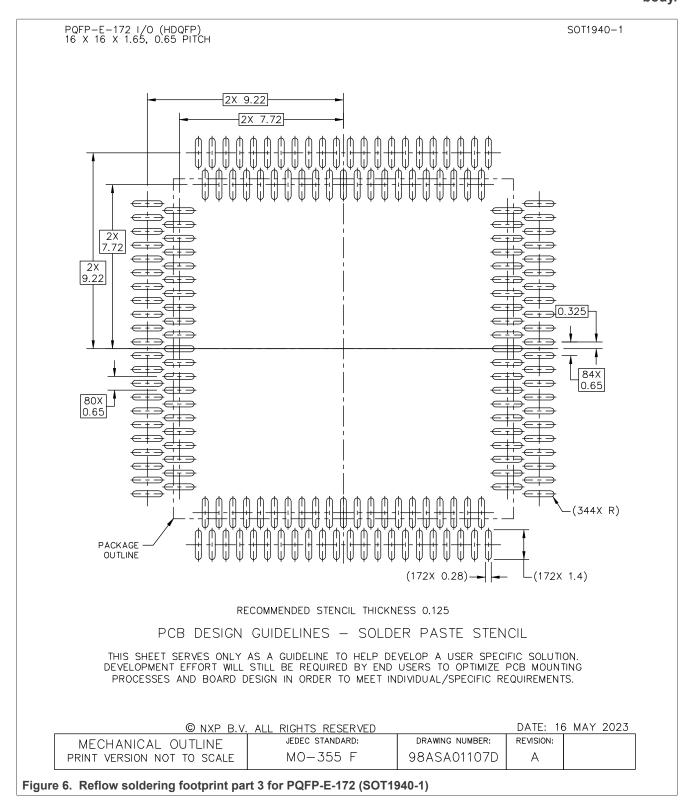


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PQFP-E-172 I/O (HDQFP) 16 X 16 X 1.65, 0.65 PITCH SOT1940-1 NOTES: 1. DIMENSIONS ARE IN MILLIMETERS. 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994. /3. PIN 1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY. 4. DATUMS A, B AND D TO BE DETERMINED AT DATUM PLANE H.  $\sqrt{5.}$  dimension to be determined at seating plane c. 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.

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MECHANICAL OUTLINE	JEDEC STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	MO-355 F	98ASA01107D	А	

Figure 7. Package outline note PQFP-E-172 (SOT1940-1)

PQFP-E-172; plastic qual flat package; 172 terminals, 0.65 mm pitch, 16 mm x 16 mm x 1.65 mm

## 4 Legal information

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