SOT2090-1

H-FC-PQFN24, thermal enhanced - flip chip - plastic quad flat non-lead, 24 terminals, 0.5 mm pitch, 3.5 mm x 4.5 mm x 0.68 mm body

11 July 2025 Package information



1 Package summary

Terminal position code Q (quad)

Package type descriptive code H-FC-PQFN24

Package style descriptive code H-FC-PQFN (thermal enhanced - flip chip - plastic quad flat

non-lead)

Package body material type P (plastic)

Mounting method typeS (surface mount)Manufacturer package code98ASA02128D

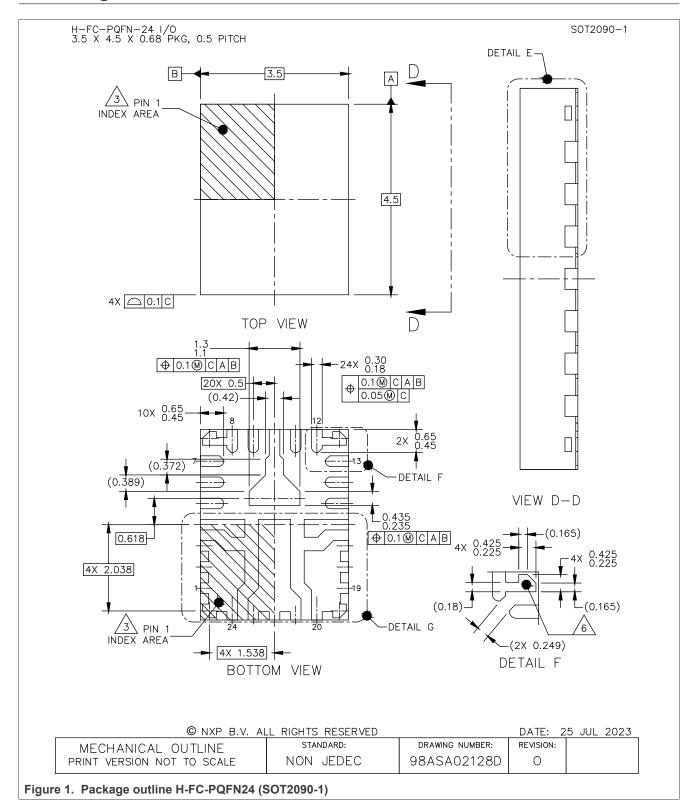
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	3.4	3.5	3.6	mm
package width	4.4	4.5	4.6	mm
seated height	0.61	0.68	0.75	mm
package height	0.61	0.68	0.75	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	24	-	



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2 Package outline



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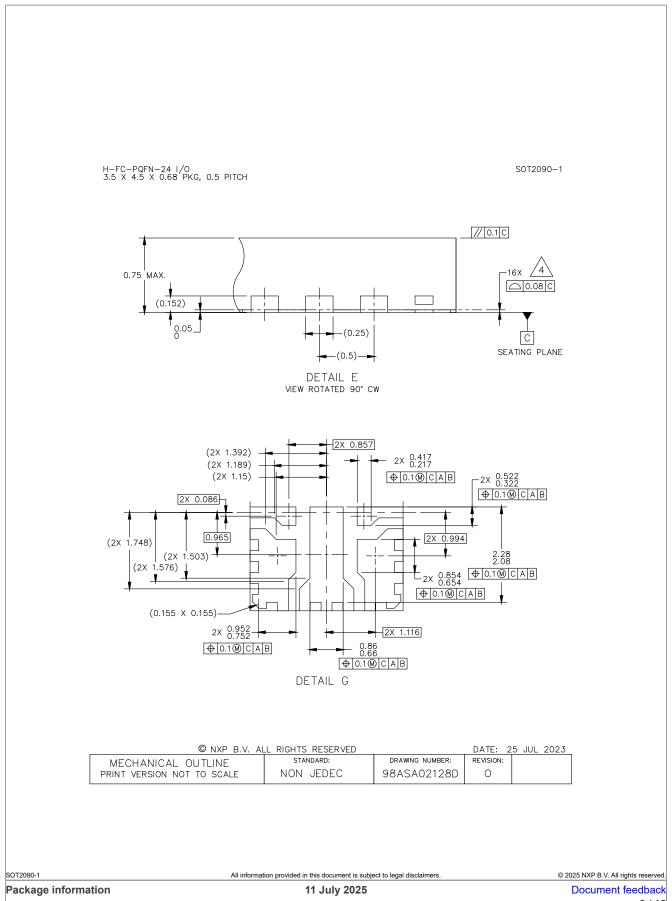
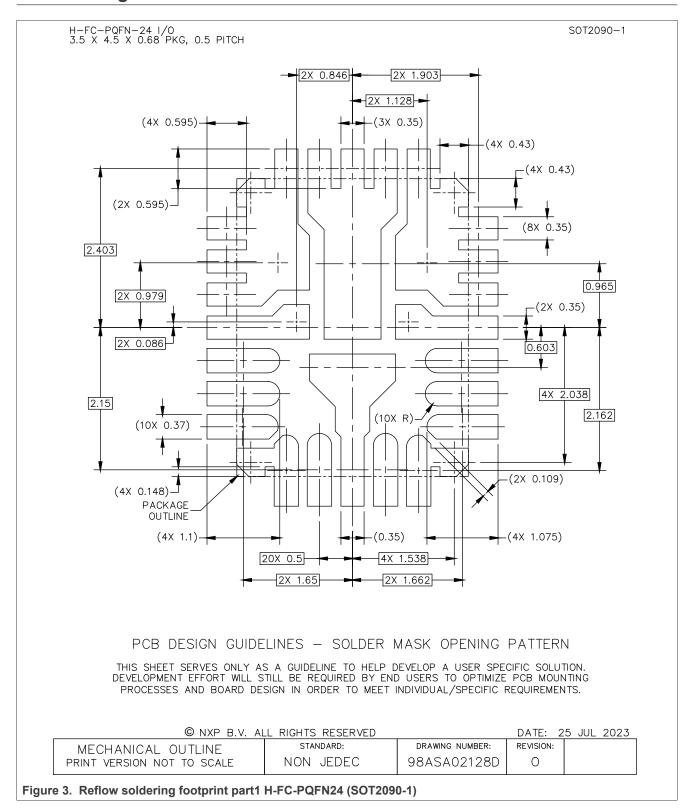


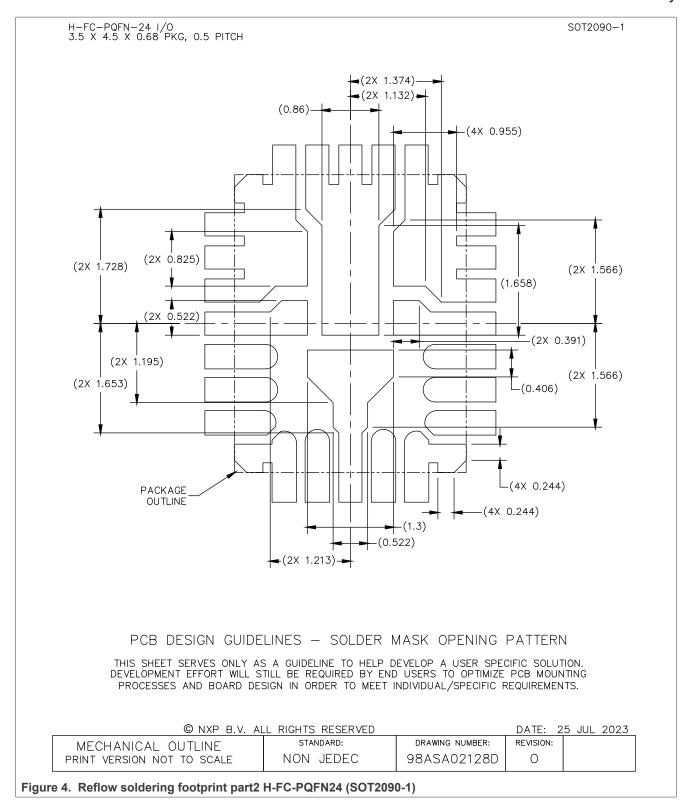
Figure 2. Package outline detail E and G of H-FC-PQFN24 (SOT2090-1)

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3 Soldering

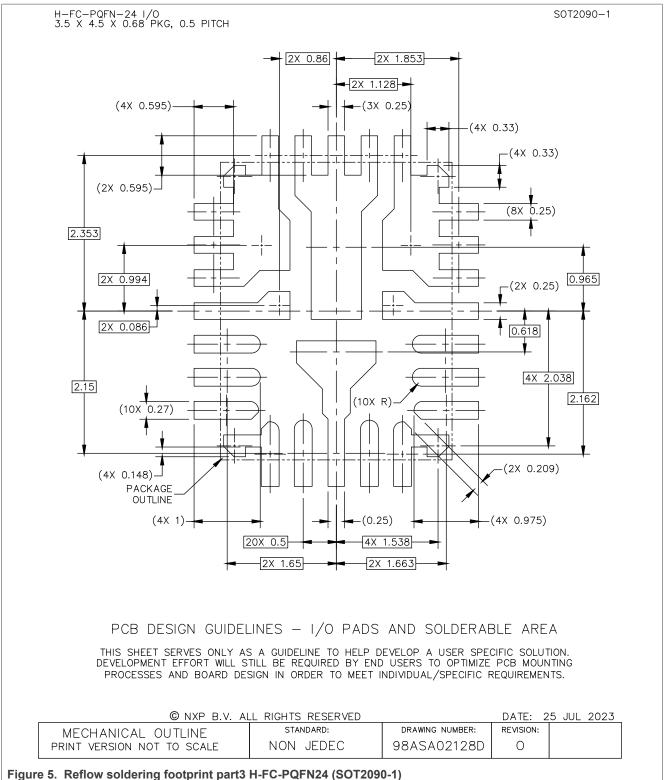


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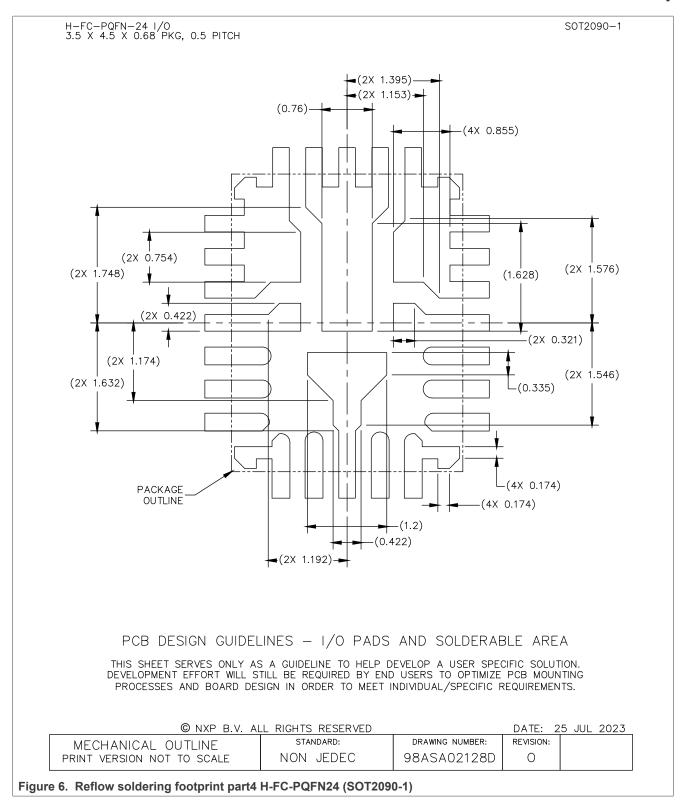


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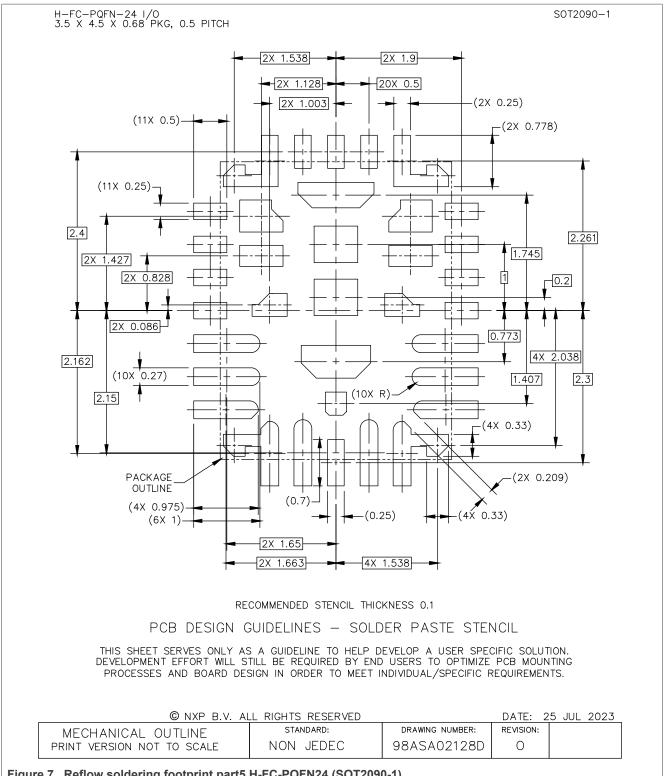
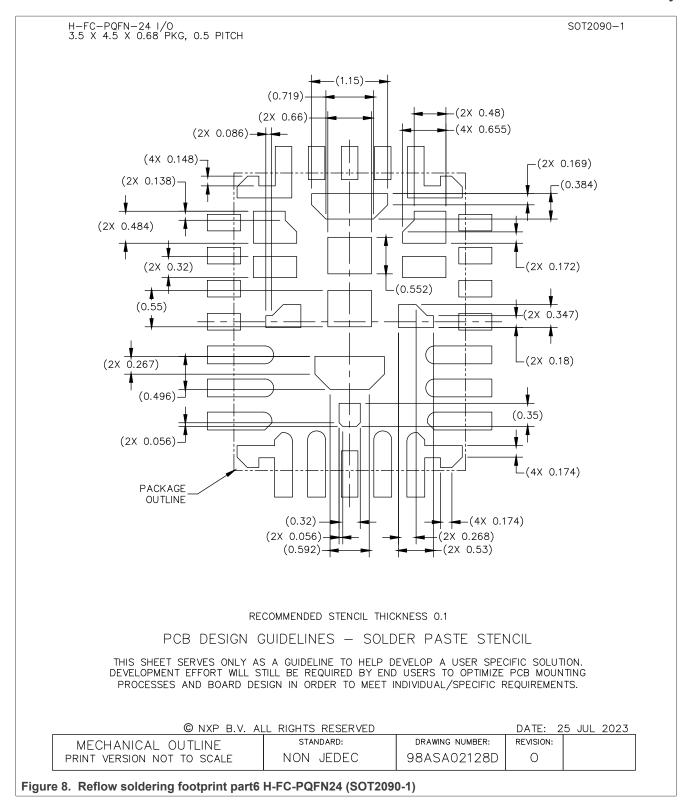


Figure 7. Reflow soldering footprint part5 H-FC-PQFN24 (SOT2090-1)

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H-FC-PQFN-24 I/O 3.5 X 4.5 X 0.68 PKG, 0.5 PITCH SOT2090-1 NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994. 3. PIN 1 FEATURE, SHAPE, SIZE AND LOCATION MAY VARY. 4. COPLANARITY APPLIES TO LEADS AND DIE ATTACH PAD. 5. MIN. METAL GAP FOR LEAD TO EXPOSED PAD SHALL BE 0.2 MM. 6. ANCHORING PADS. © NXP B.V. ALL RIGHTS RESERVED DATE: 25 JUL 2023 DRAWING NUMBER: STANDARD: REVISION: MECHANICAL OUTLINE 98ASA02128D PRINT VERSION NOT TO SCALE NON JEDEC 0 Figure 9. Package outline note H-FC-PQFN24 (SOT2090-1)

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4 Legal information

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Document feedback