

SOT684-23

plastic thermal enhanced very thin quad flat package; no leads; wettable flank, 56 terminals; 0.5 mm pitch, 8 mm x 8 mm x 0.85 mm body

15 October 2021

Package information

1 Package summary

Terminal position code Q (quad)

Package type descriptive code HVQFN56

Package style descriptive code HVQFN (thermal enhanced very thin quad

flatpack; no leads)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 31-01-2019

Manufacturer package code 98ASA01098D

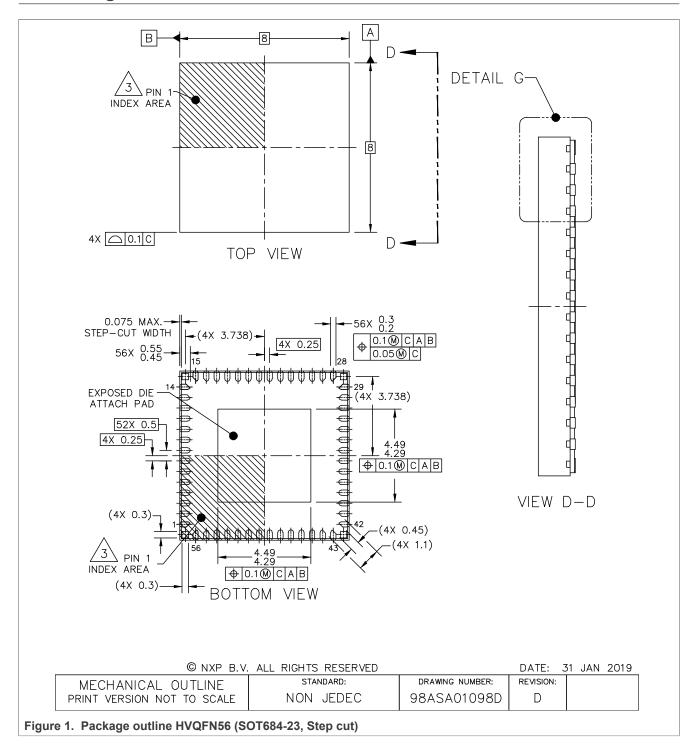
Table 1. Package summary

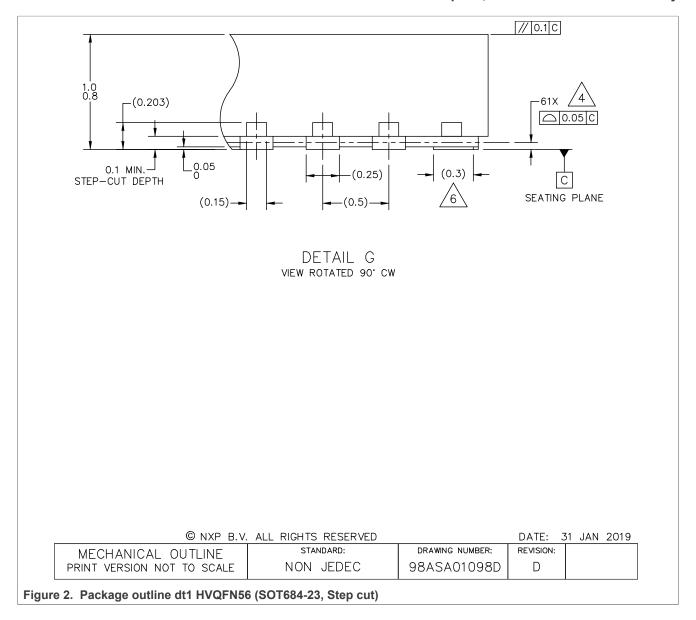
Parameter	Min	Nom	Max	Unit
package length	-	8	-	mm
package width	-	8	-	mm
seated height	-	0.85	-	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	56	-	

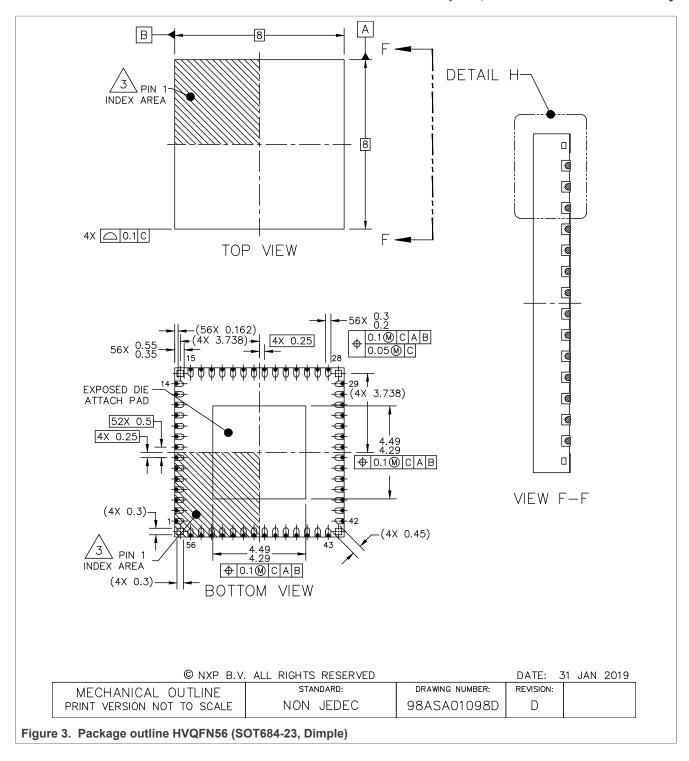


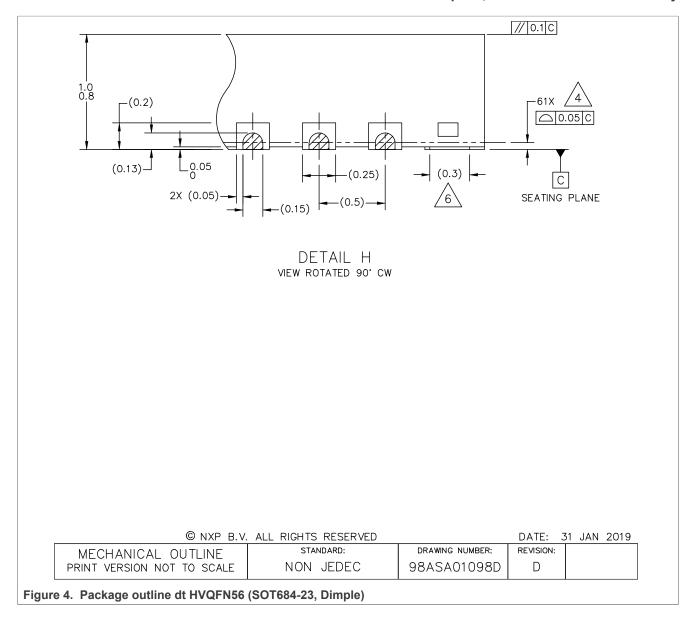
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2 Package outline









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3 Soldering

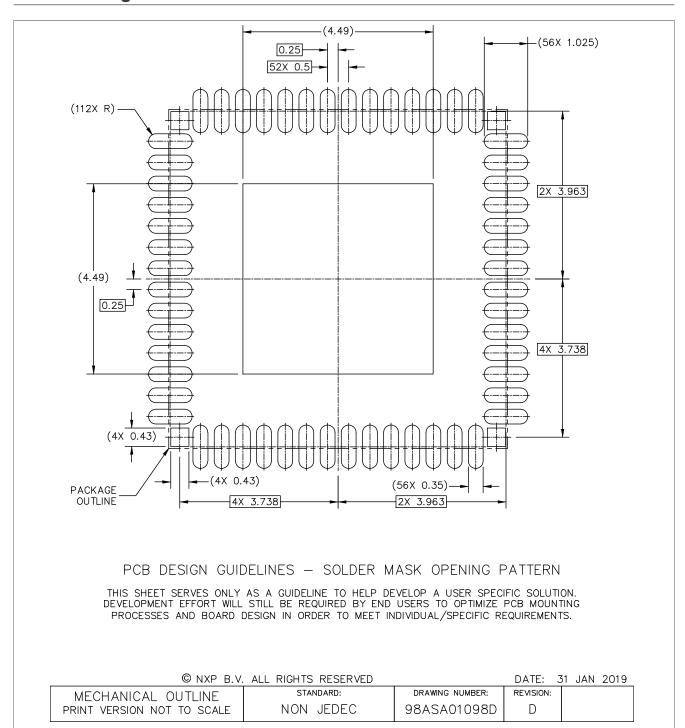


Figure 5. Reflow soldering footprint part1 for HVQFN56 (SOT684-23)

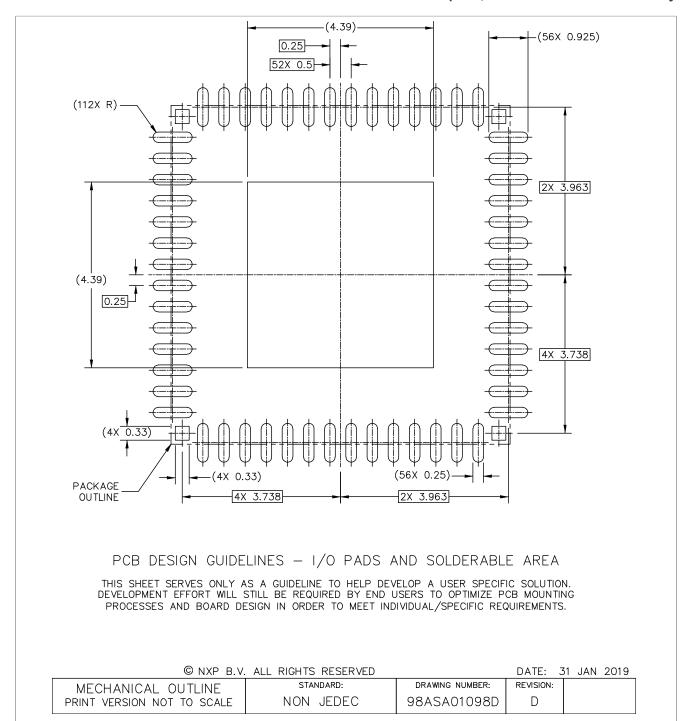


Figure 6. Reflow soldering footprint part2 for HVQFN56 (SOT684-23)

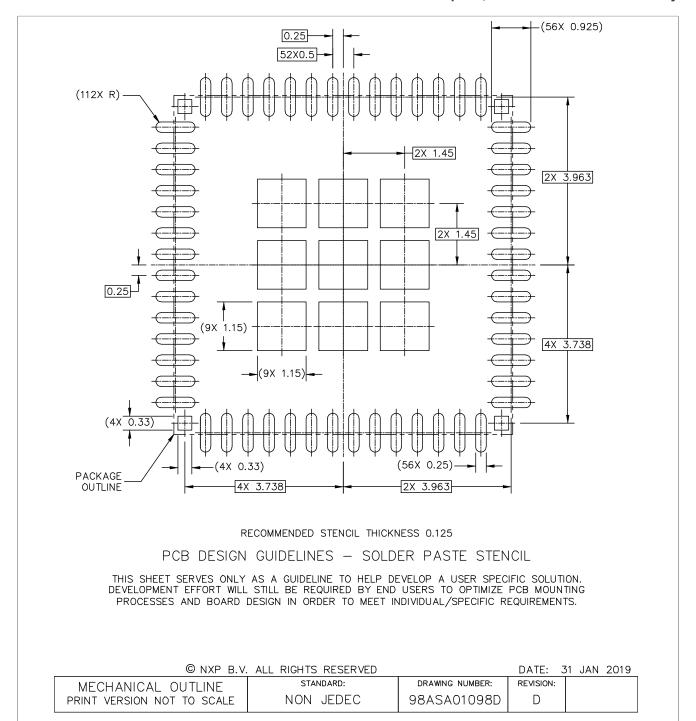


Figure 7. Reflow soldering footprint part3 for HVQFN56 (SOT684-23)

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NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETERS.
- 2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

 $\sqrt{3}$. PIN 1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

4. COPLANARITY APPLIES TO LEADS, DIE ATTACH FLAG AND CORNER NON-FUNCTIONAL PADS.

5. MIN. METAL GAP SHOULD BE 0.25 MM.

6. ANCHORING PADS.

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DATE: 31 JAN 2019

MECHANICAL OUTLINE STANDARD: DRAWING NUMBER: REVISION: PRINT VERSION NOT TO SCALE NON JEDEC 98ASA01098D D

Figure 8. Package outline note HVQFN56 (SOT684-23)

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