# SOT684-32(DD)

HVQFN56; thermal enhanced low profile quad flat non-leaded package, dimple wettable flank; 56 terminals; 0.5 mm pitch; 8 mm x 8 mm x 0.9 mm body

6 June 2025 Package information



## 1 Package summary

Package type descriptive code HVQFN56

Package style descriptive code HVQFN (thermal enhanced very thin quad flatpack; no

leads)

Package body material type P (plastic)

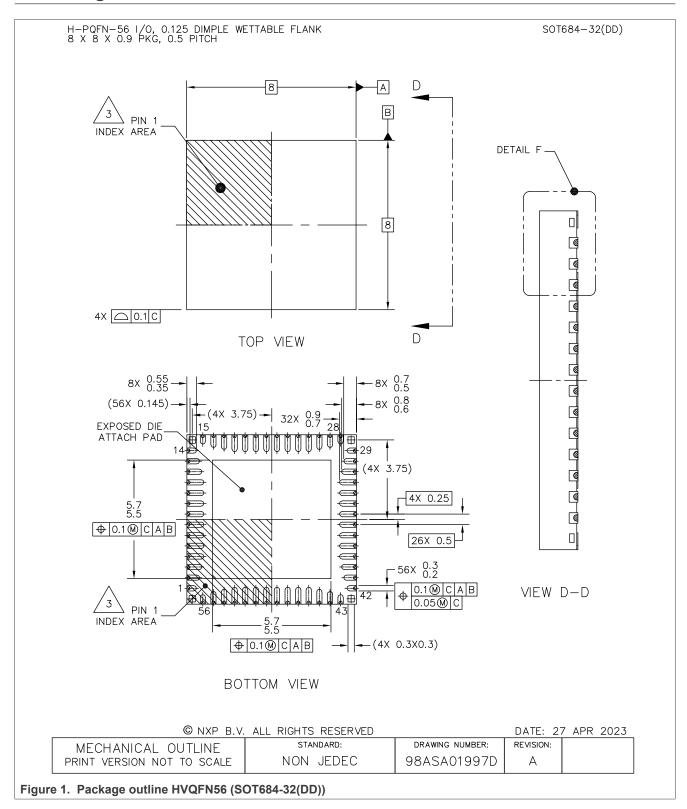
Mounting method typeS (surface mount)Manufacturer package code98ASA01997D

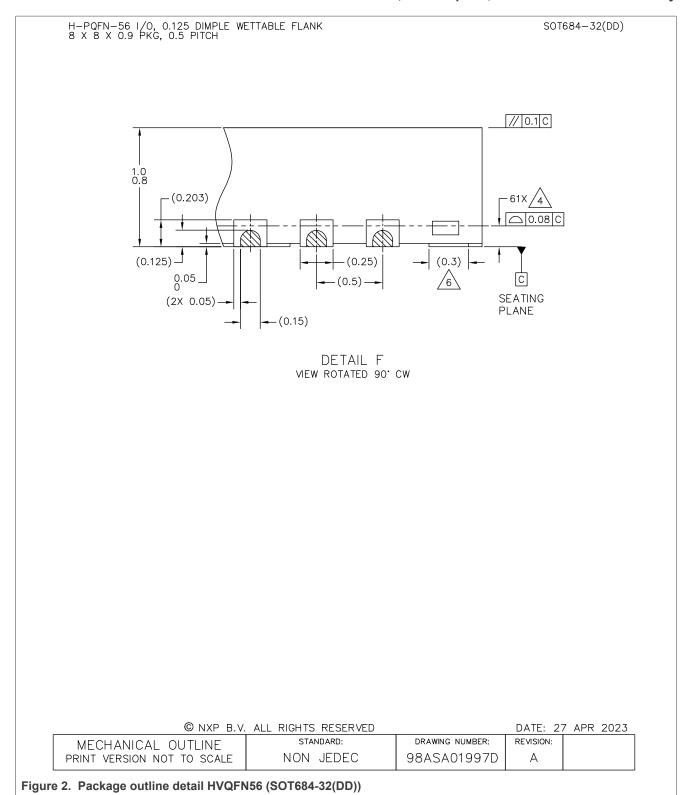
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	7.9	8	8.1	mm
package width	7.9	8	8.1	mm
package height	0.8	0.9	1	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	56	-	

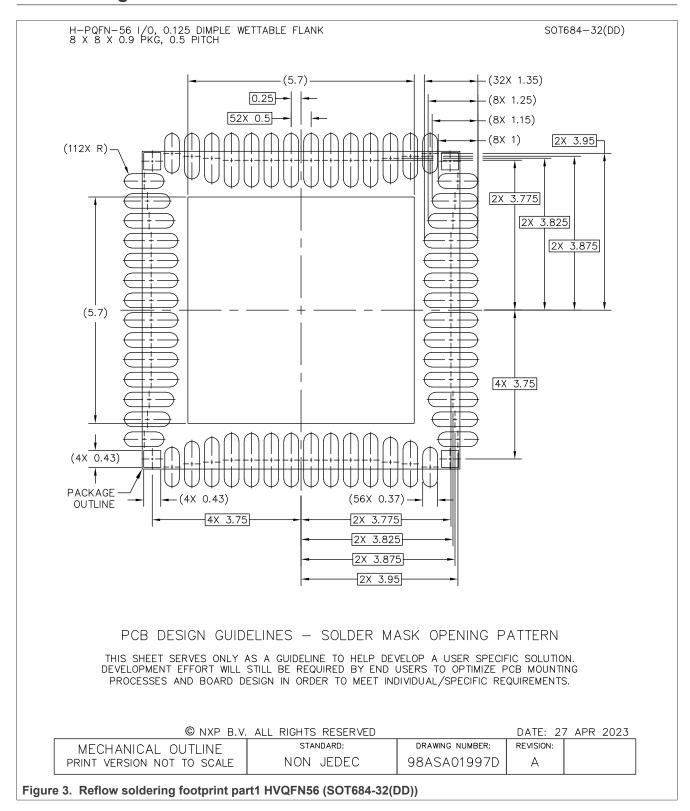


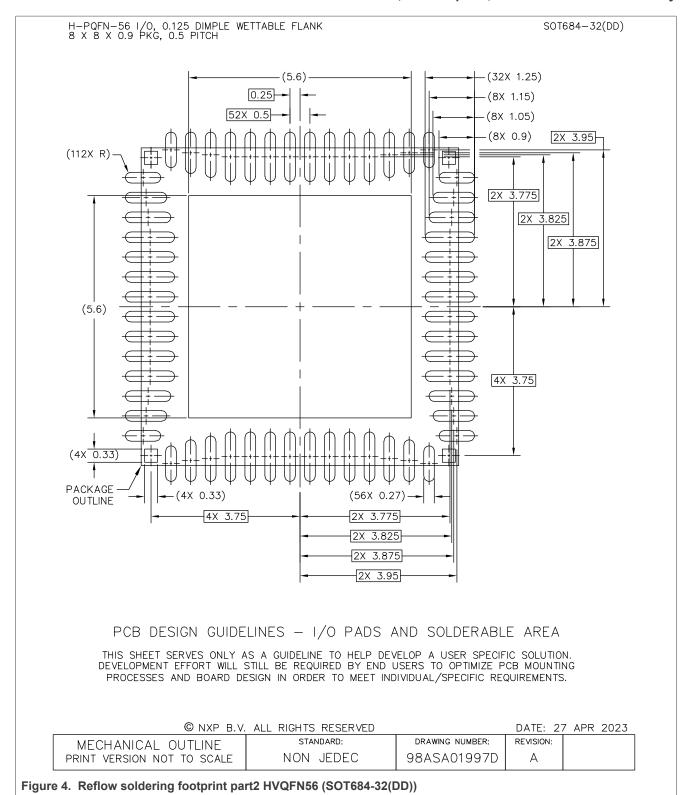
# 2 Package outline

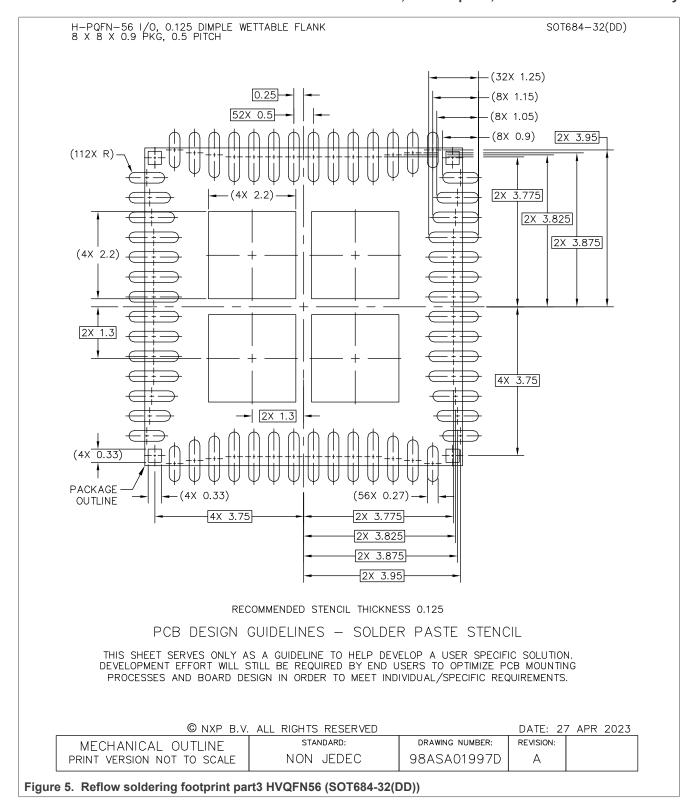




### 3 Soldering







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H-PQFN-56 I/O, 0.125 DIMPLE WETTABLE FLANK 8 X 8 X 0.9 PKG, 0.5 PITCH SOT684-32(DD)

#### NOTES:

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

3.

/3.\ PIN 1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

. 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: 27 APR 2023

MECHANICAL OUTLINE STANDARD: DRAWING NUMBER: REVISION:
PRINT VERSION NOT TO SCALE NON JEDEC 98ASA01997D A

Figure 6. Package outline note HVQFN56 (SOT684-32(DD))

# 4 Legal information

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### **NXP Semiconductors**

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