

14 January 2020

Package information

Package summary 1

Terminal position code Q (quad) HVQFN40 Package type descriptive code

HVQFN (thermal enhanced very thin quad Package style descriptive code

flatpack; no leads)

Package body material type P (plastic)

Mounting method type S (surface mount)

07-10-2019 Issue date

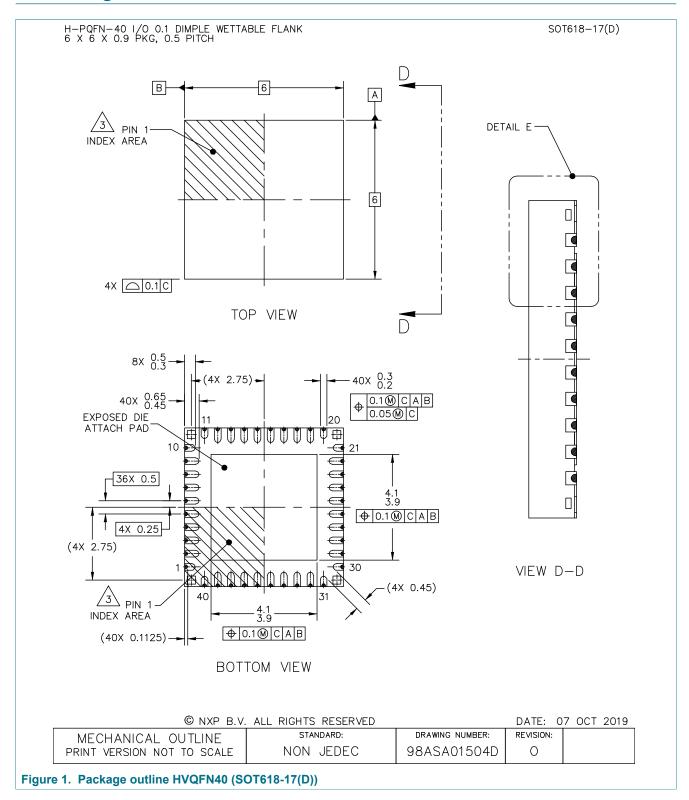
98ASA01504D Manufacturer package code

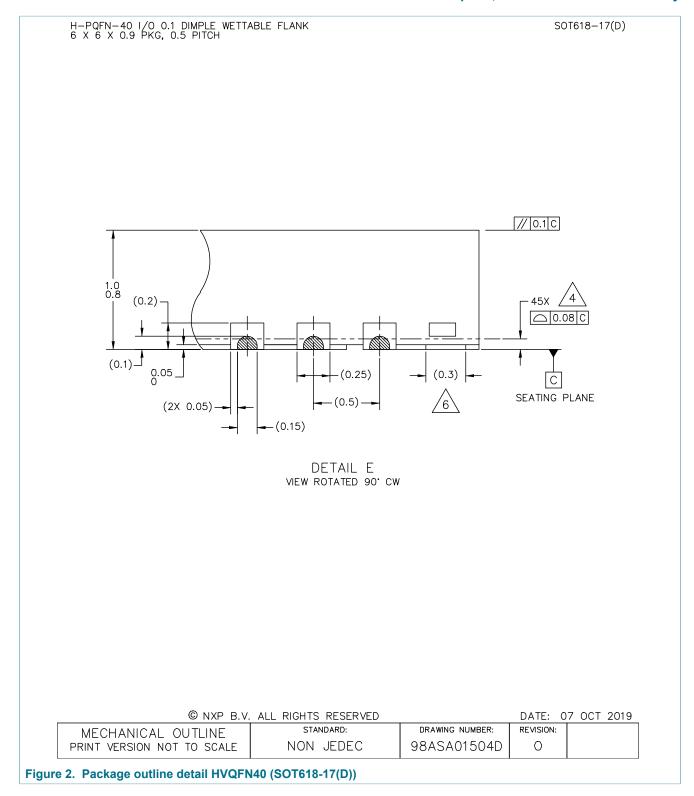
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	5.9	6	6.1	mm
package width	5.9	6	6.1	mm
seated height	0.8	0.9	1	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	40	-	

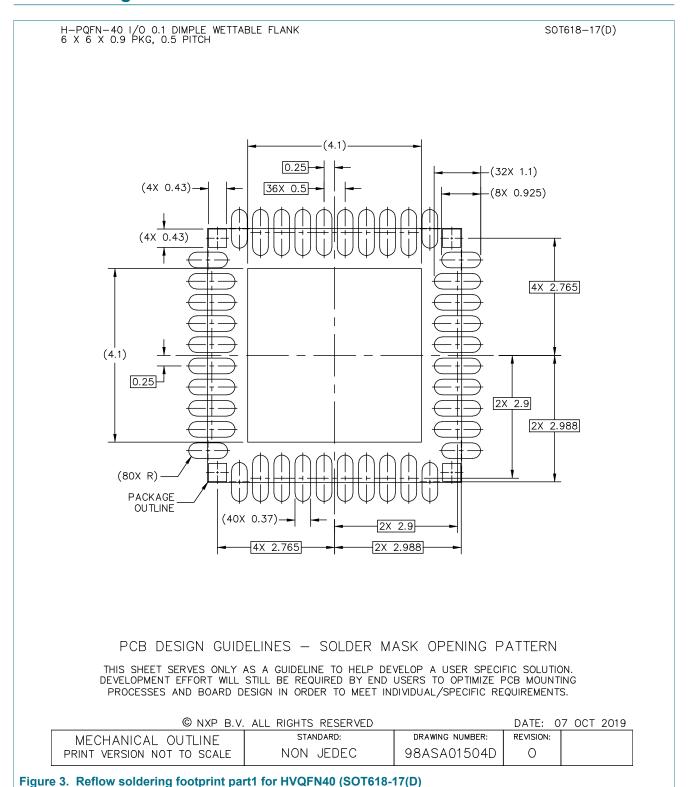


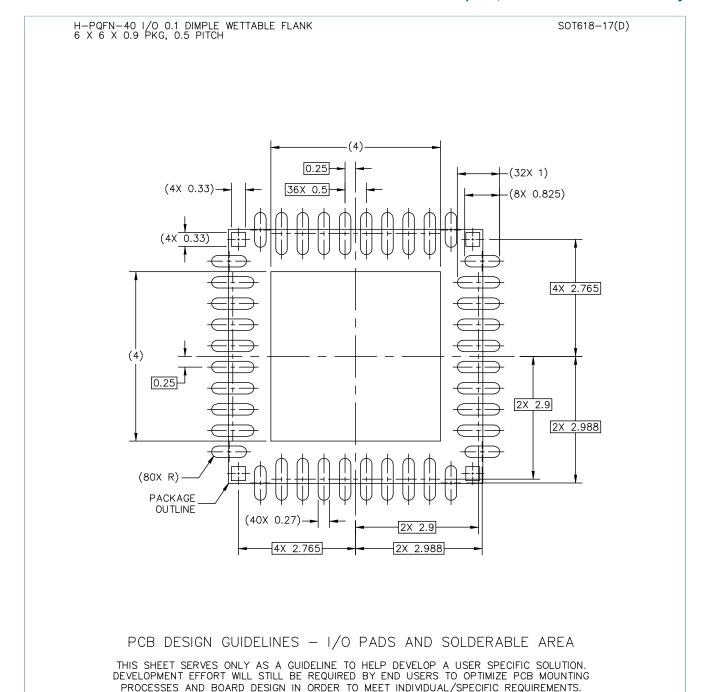
2 Package outline





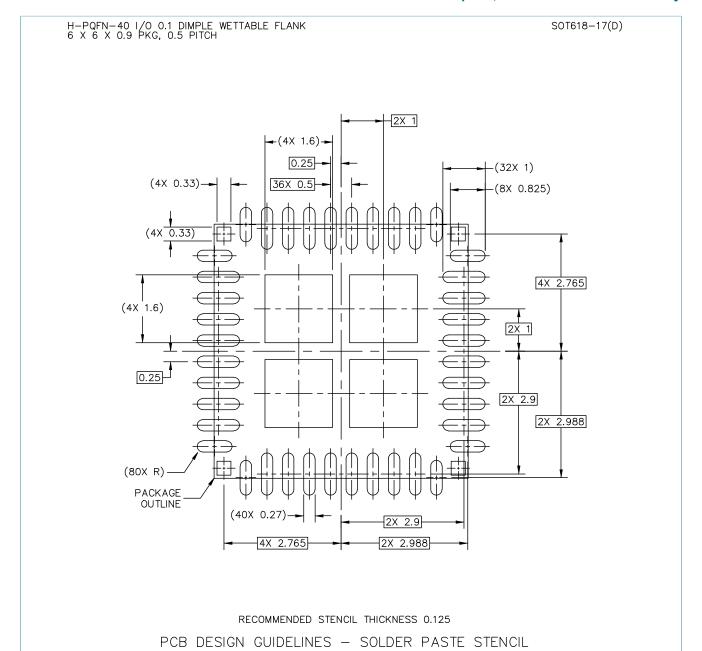
3 Soldering





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Figure 4. Reflow soldering footprint part2 for HVQFN40 (SOT618-17(D)



THIS SHEET SERVES ONLY AS A GUIDELINE TO HELP DEVELOP A USER SPECIFIC SOLUTION. DEVELOPMENT EFFORT WILL STILL BE REQUIRED BY END USERS TO OPTIMIZE PCB MOUNTING PROCESSES AND BOARD DESIGN IN ORDER TO MEET INDIVIDUAL/SPECIFIC REQUIREMENTS.

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Figure 5. Reflow soldering footprint part3 for HVQFN40 (SOT618-17(D)

H-PQFN-40 I/O 0.1 DIMPLE WETTABLE FLANK 6 \times 6 \times 0.9 PKG, 0.5 PITCH SOT618-17(D) 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 EXPORED PAD SHALL BE 0.2 MM. 6. ANCHORING PADS. DATE: 07 OCT 2019 © NXP B.V. ALL RIGHTS RESERVED

Figure 6. Pac	kage outline note	HVQFN40	(SOT618-17	(D))
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MECHANICAL OUTLINE

PRINT VERSION NOT TO SCALE

STANDARD:

NON JEDEC

DRAWING NUMBER:

98ASA01504D

REVISION:

0

4 Legal information

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SOT618-17(D)

HVQFN40, thermal enhanced very thin quad flat package; no leads; dimple wettable flank; 40 terminals; 0.5 mm pitch, 6 mm x 6 mm x 0.9 mm body

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