SOT1992-1(DD)

HLSON16, thermal enhanced low profile small outline; no leads, 16 terminals, 0.5 mm pitch, $4.5 \text{ mm} \times 3.5 \text{ mm} \times 1.45 \text{ mm}$ body

23 October 2025 Package information



1 Package summary

Terminal position code Q (quad)

Package type descriptive code HLSON16

Package style descriptive code HLSON (thermal enhanced low profile small outline; no

leads)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 12-02-2019

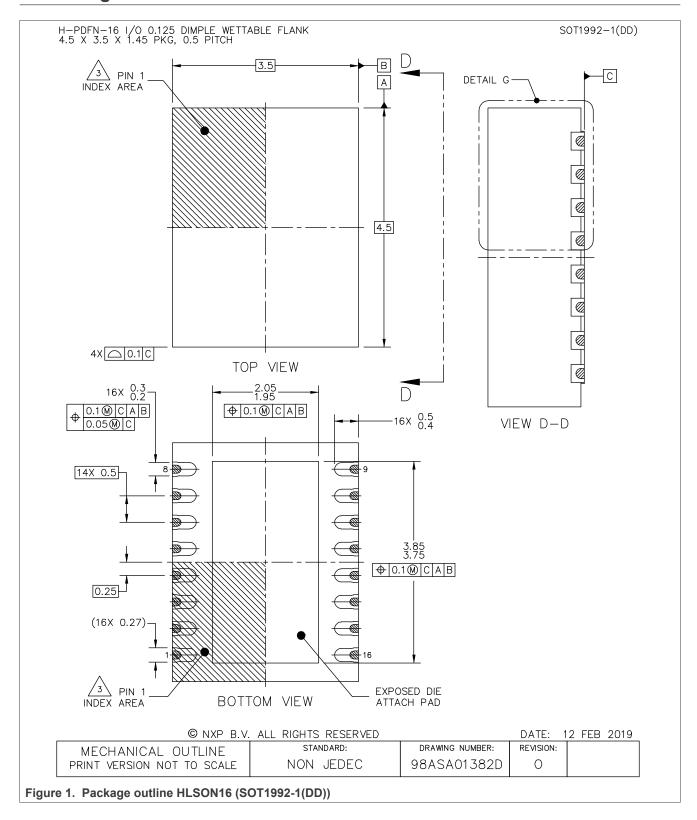
Manufacturer package code 98ASA01382D

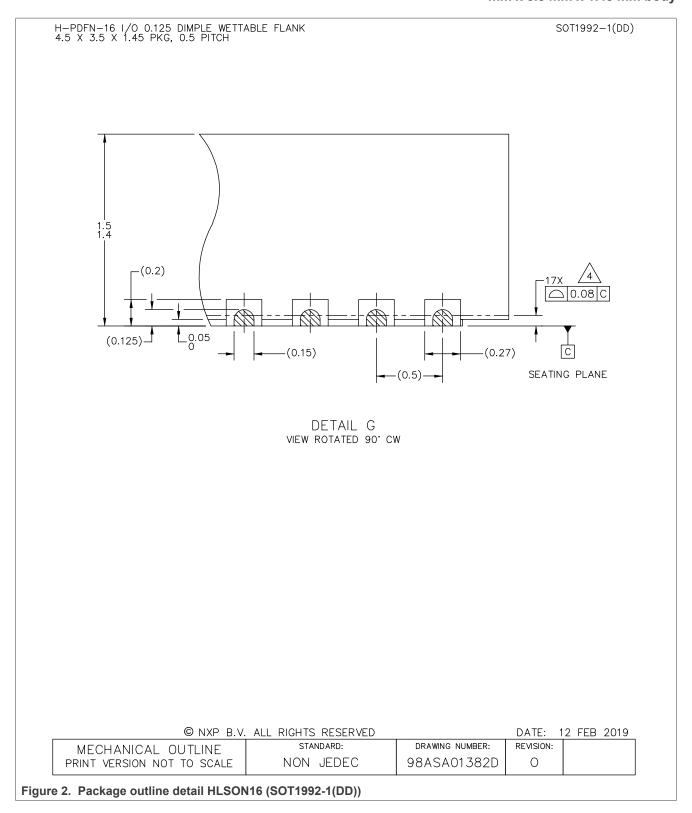
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	4.5	-	mm
package width	-	3.5	-	mm
seated height	-	1.45	-	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	16	-	

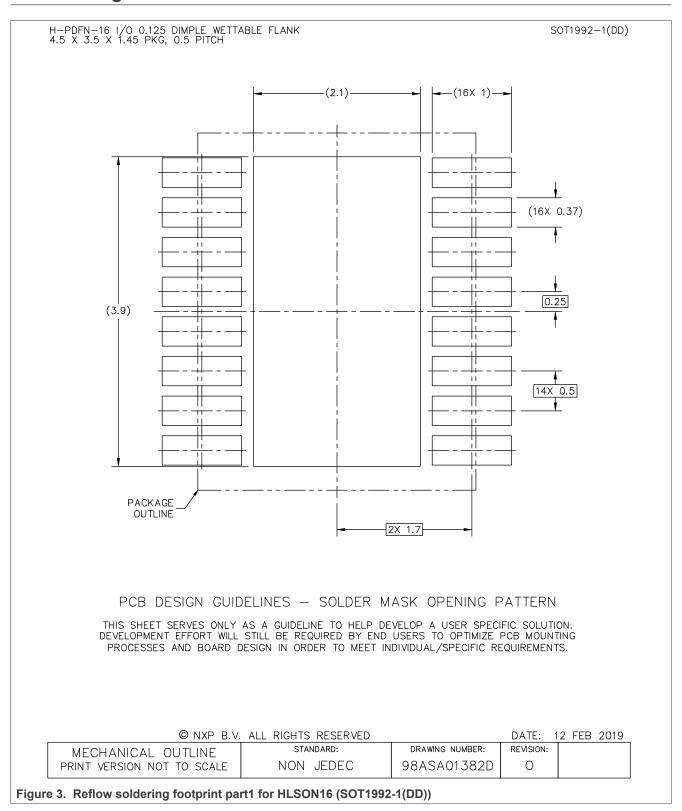


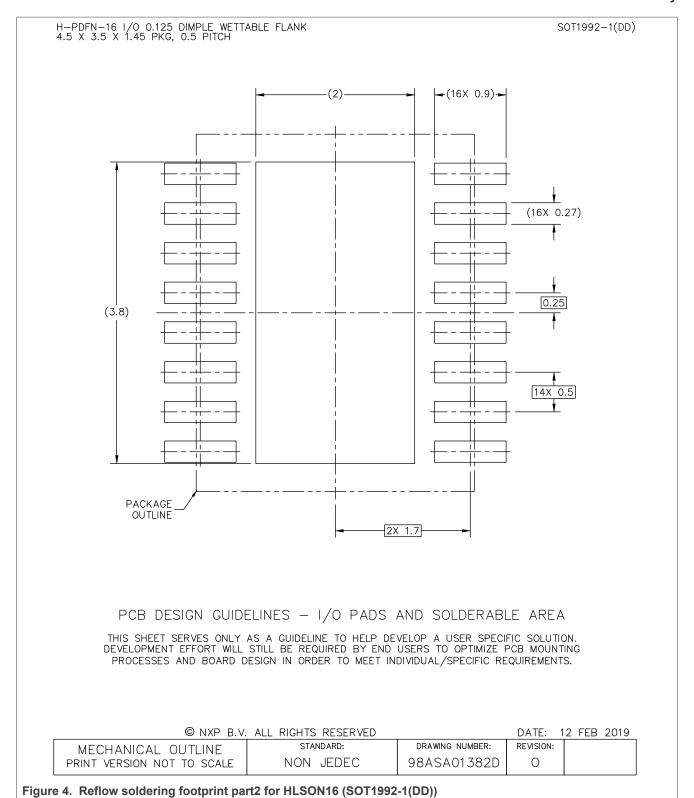
2 Package outline

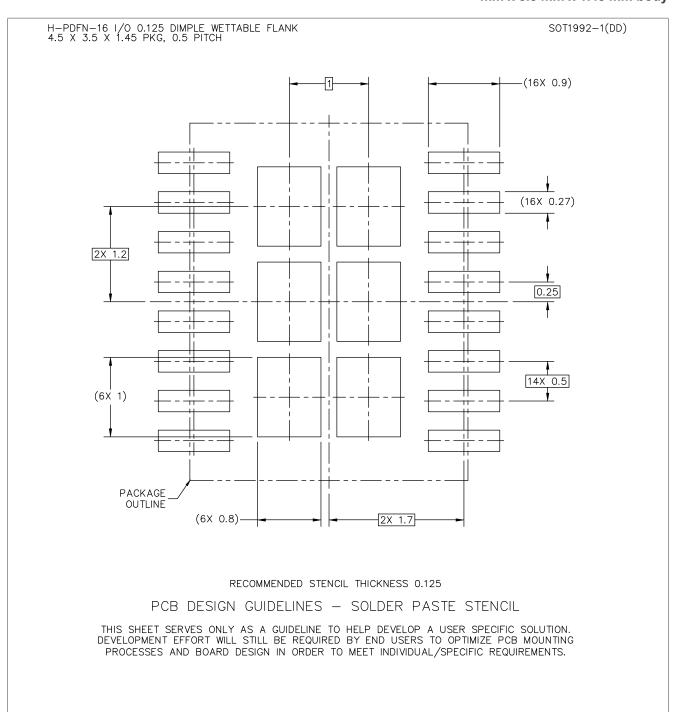




3 Soldering







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MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	
PRINT VERSION NOT TO SCALE	NON JEDEC	98ASA01382D	0	

Figure 5. Reflow soldering footprint part3 for HLSON16 (SOT1992-1(DD))

H-PDFN-16 I/O 0.125 DIMPLE WETTABLE FLANK 4.5 \times 3.5 \times 1.45 PKG, 0.5 PITCH SOT1992-1(DD) 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. 5. MIN. METAL GAP SHOULD BE 0.2 MM. DATE: 12 FEB 2019 © NXP B.V. ALL RIGHTS RESERVED DRAWING NUMBER: STANDARD: REVISION: MECHANICAL OUTLINE

NON JEDEC

98ASA01382D

0

PRINT VERSION NOT TO SCALE

Figure 6. Package outline note HLSON16 (SOT1992-1(DD))

4 Legal information

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SOT1992-1(DD)

HLSON16, thermal enhanced low profile small outline; no leads, 16 terminals, 0.5 mm pitch, 4.5 mm x 3.5 mm x 1.45 mm body

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Document feedback