

Package information

Package summary

Terminal position code Q (quad) Package type descriptive code HLQFN16 HLQFN16 Package type industry code

Package style descriptive code HLQFN (thermal enhanced low profile quad

flatpack; no leads)

Package body material type P (plastic)

Mounting method type S (surface mount)

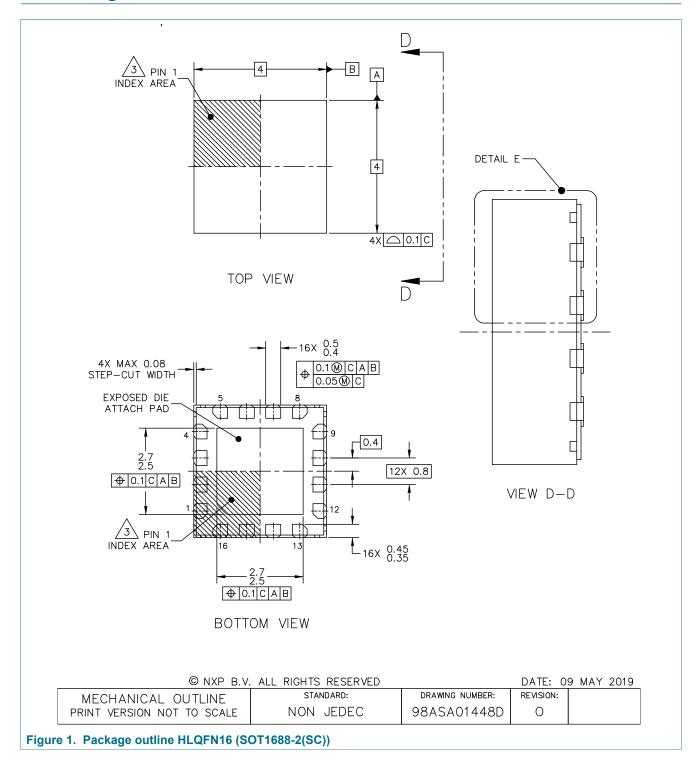
09-05-2019 Issue date Manufacturer package code 98ASA01448D

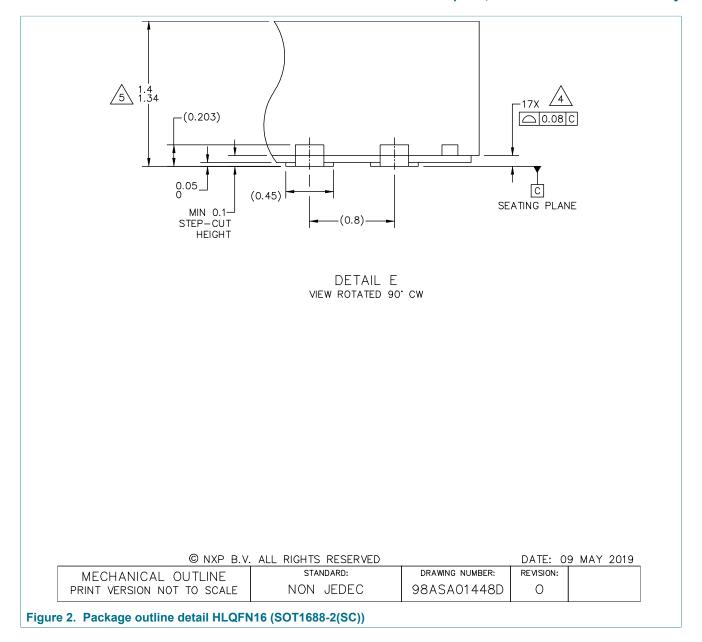
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	4	-	mm
package width	-	4	-	mm
seated height	-	1.37	-	mm
nominal pitch	-	0.8	-	mm
actual quantity of termination	-	16	-	

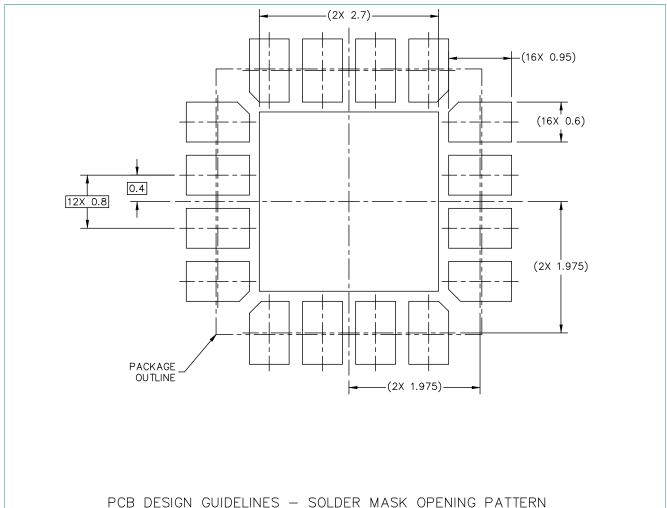


2 Package outline





Soldering 3



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 3. Reflow soldering footprint part1 for HLQFN16 (SOT1688-2(SC))

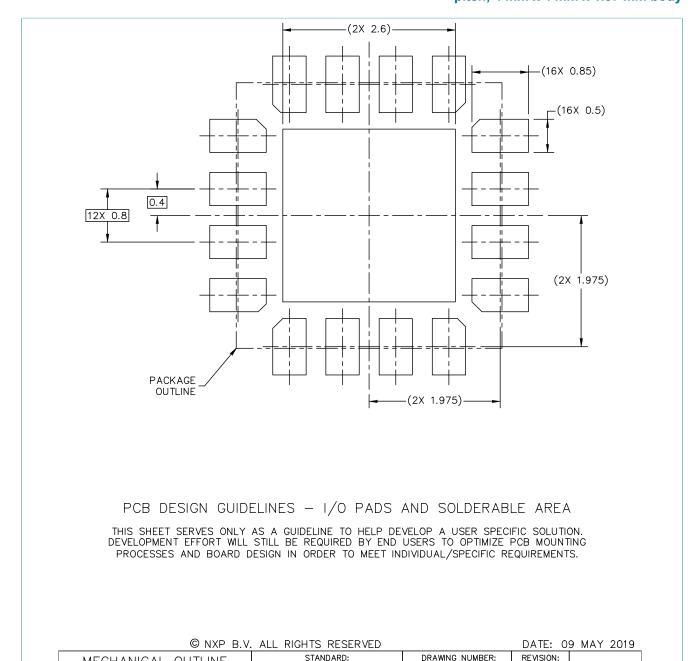


Figure 4. Reflow soldering footprint part2 for HLQFN16 (SOT1688-2(SC))

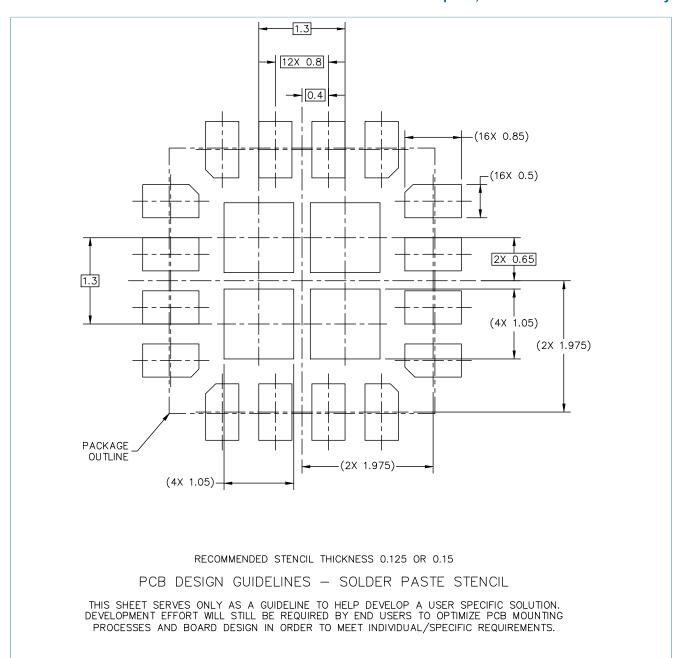
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Figure 5. Reflow soldering footprint part3 for HLQFN16 (SOT1688-2(SC))

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 FLAG.

 $\sqrt{5}$. SPUTTER LAYER IS INCLUDED IN THE TOTAL THICKNESS.

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Figure 6. Package outline note HLQFN16 (SOT1688-2(SC))

4 Legal information

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SOT1688-2(SC)

HLQFN16; plastic, thermal enhanced low profile quad flat non-leaded package; 16 terminals; 0.8 mm pitch; 4 mm x 4 mm x 1.37 mm body

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