# SOT2171-1

HLGA25, thermal enhanced land grid array package, 25 terminals, 2.5 mm pitch, 20 mm x 16 mm x 1.947 mm body

29 April 2022

Package information

## 1 Package summary

Terminal position code B (bottom)

Package type descriptive code HLGA25

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date29-11-2021Manufacturer package code98ASA01875D

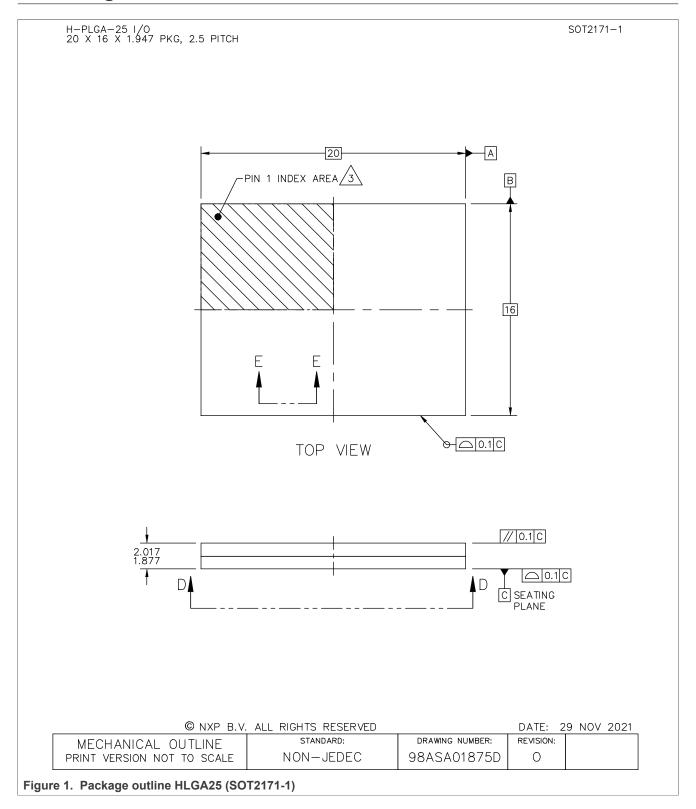
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	20	-	
package width	-	16	-	
seated height	1.877	1.947	2.017	
nominal pitch	-	2.5	-	
actual quantity of termination	-	25	-	

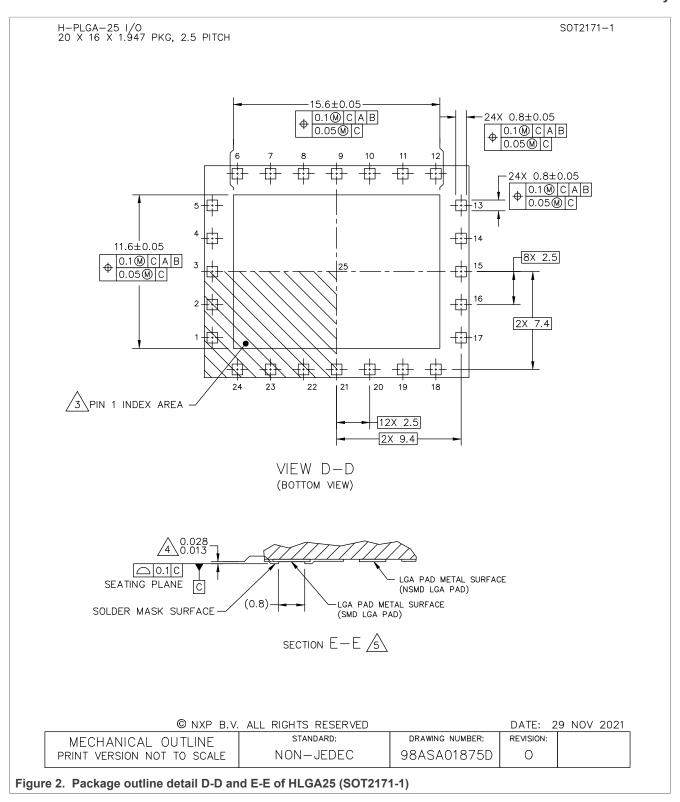


HLGA25, thermal enhanced land grid array package, 25 terminals, 2.5 mm pitch, 20 mm x 16 mm x 1.947 mm body

# 2 Package outline

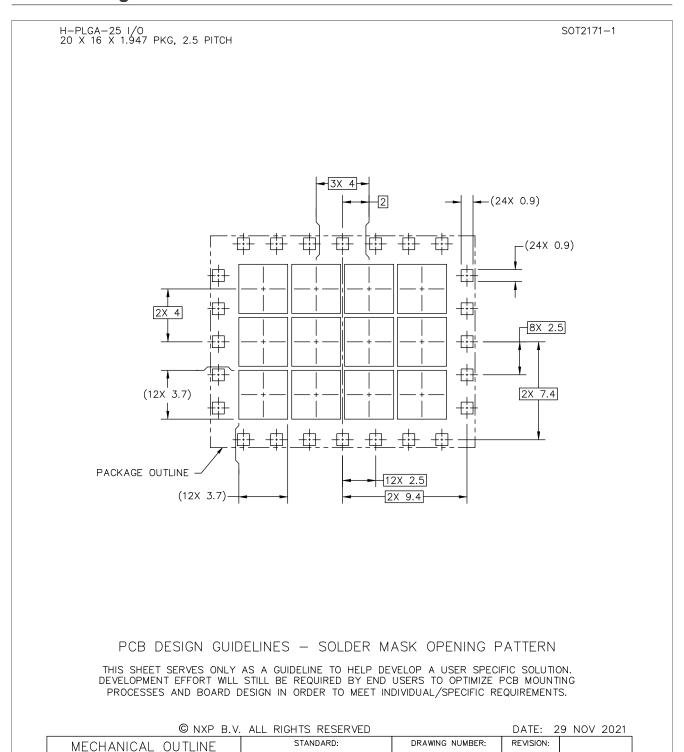


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#### 3 Soldering



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98ASA01875D

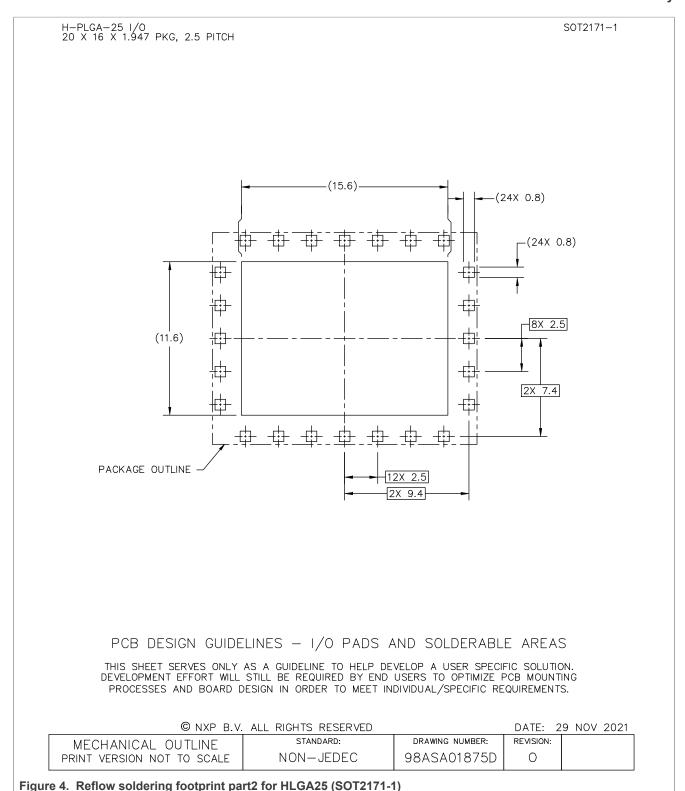
0

NON-JEDEC

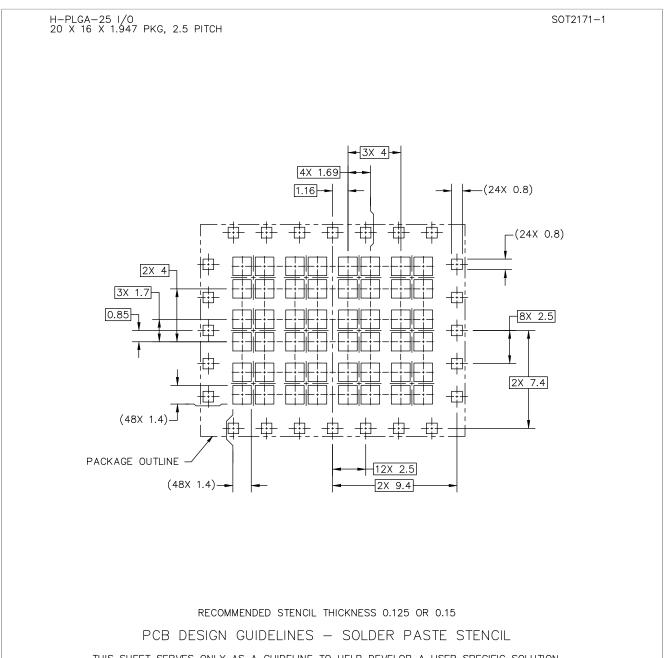
PRINT VERSION NOT TO SCALE

Figure 3. Reflow soldering footprint part1 for HLGA25 (SOT2171-1)

HLGA25, thermal enhanced land grid array package, 25 terminals, 2.5 mm pitch, 20 mm x 16 mm x 1.947 mm body



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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 HLGA25 (SOT2171-1)

HLGA25, thermal enhanced land grid array package, 25 terminals, 2.5 mm pitch, 20 mm x 16 mm x 1.947

H-PLGA-25 I/O 20 X 16 X 1.947 PKG, 2.5 PITCH

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#### NOTES:

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

PIN 1 FEATURE SHAPE, SIZE AND LOCATION MAY VARY.

DIMENSION APPLIES TO ALL LEADS.

THE BOTTOM VIEW SHOWS THE SOLDERABLE AREA OF THE PADS. THE CENTER PAD (PINS 25) IS SOLDER MASK DEFINED. SOME PERIPHERAL PADS ARE SOLDER MASK DEFINED (SMD) AND OTHERS ARE NON-SOLDERMASK DEFINED (NSMD).

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Figure 6. Package outline note HLGA25 (SOT2171-1)

HLGA25, thermal enhanced land grid array package, 25 terminals, 2.5 mm pitch, 20 mm x 16 mm x 1.947

### 4 Legal information

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