

SOT2143-1

HVSON12, plastic thermal enhanced very thin small outline package; no leads; 12 terminals; body 3 mm x 3 mm x 0.85 mm

4 January 2022

Package information

1 Package summary

Terminal position code D (double)

Package type descriptive code HVSON12

Package style descriptive code HVSON (thermal enhanced very thin small

outline; no leads)

Package body material type P (plastic)

Mounting method type S (surface mount)

Issue date 25-05-2021

Manufacturer package code 98ASA01793D

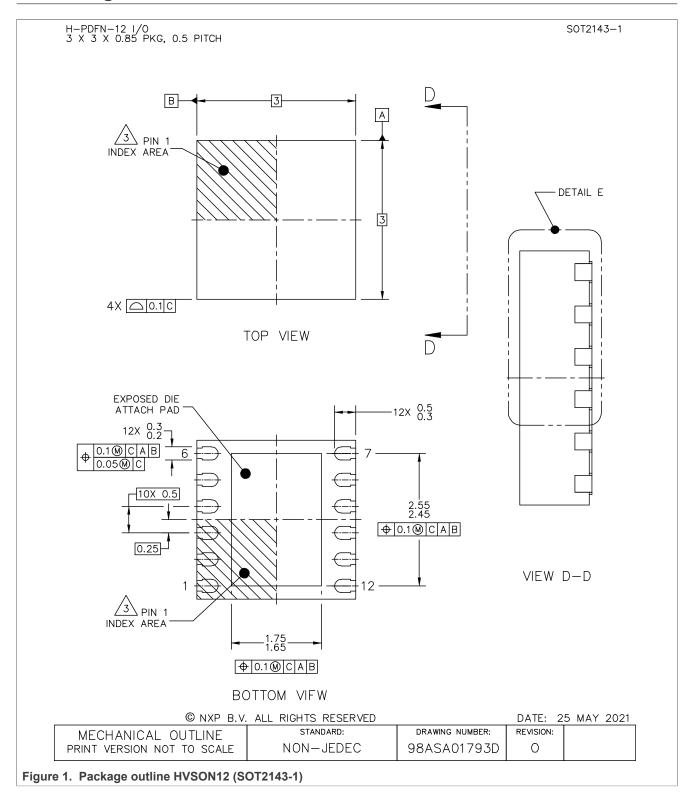
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	-	3	-	mm
package width	-	3	-	mm
seated height	0.8	0.85	1	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	12	-	

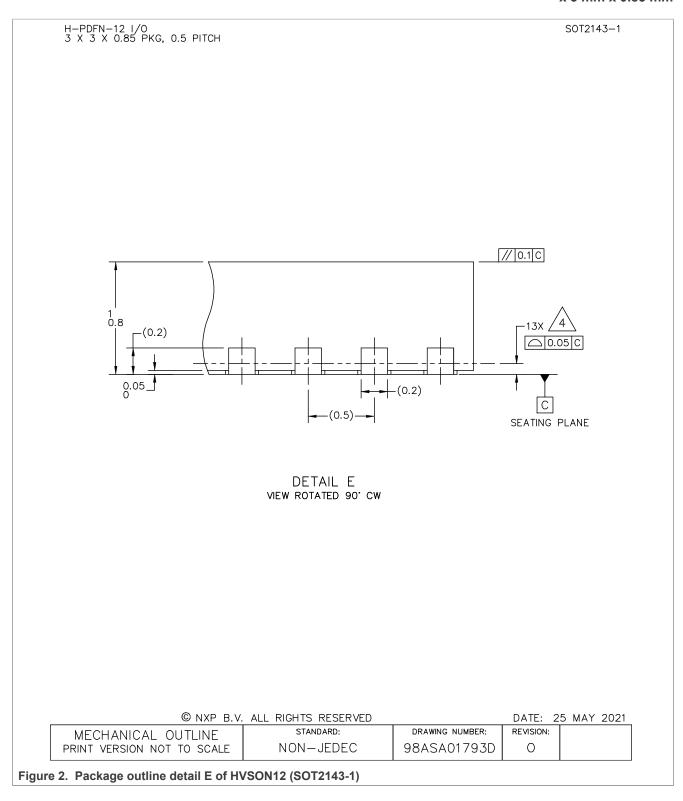


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2 Package outline

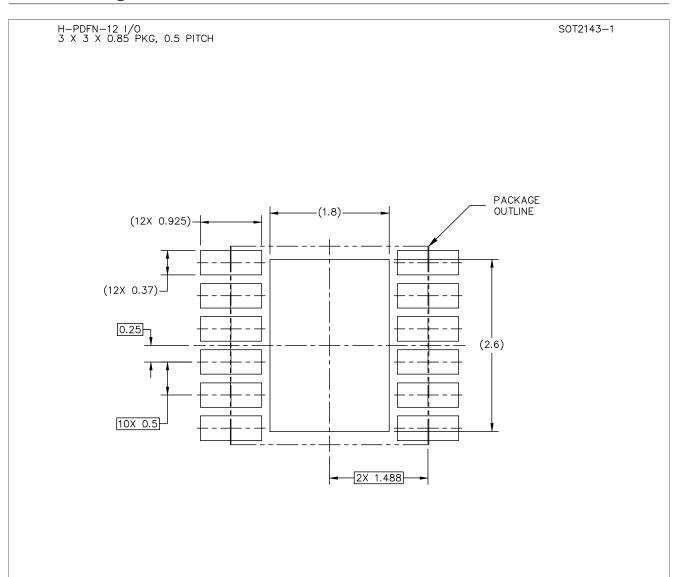


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3 Soldering



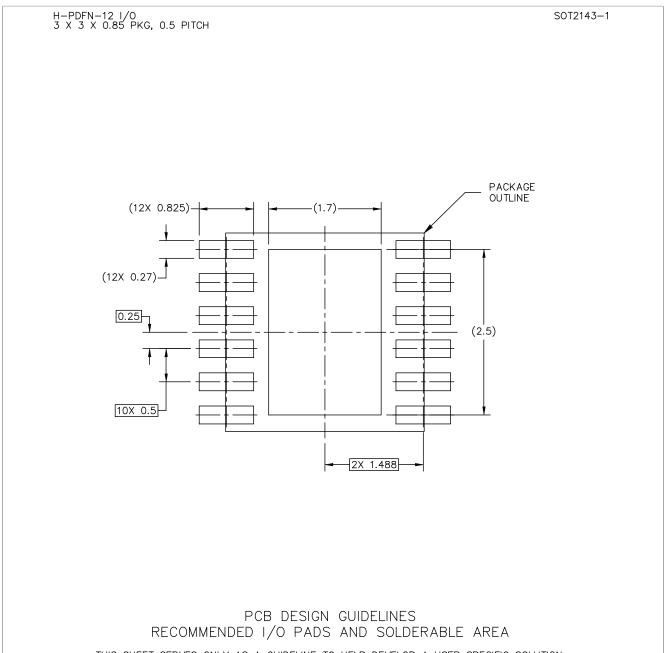
PCB DESIGN GUIDELINES RECOMMENDED SOLDER MASK OPENING PATTERN

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Figure 3. Reflow soldering footprint part1 for HVSON12 (SOT2143-1)

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Figure 4. Reflow soldering footprint part2 for HVSON12 (SOT2143-1)

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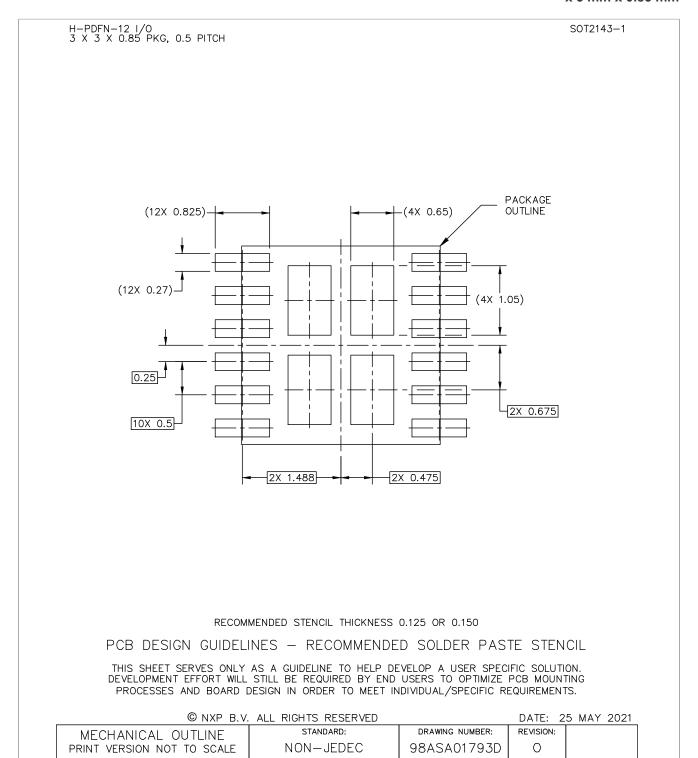


Figure 5. Reflow soldering footprint part3 for HVSON12 (SOT2143-1)

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H-PDFN-12 I/O 3 X 3 X 0.85 PKG, 0.5 PITCH SOT2143-1

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, DIE ATTACH FLAG.

5. MIN. METAL GAP FOR LEAD TO EXPOSED PAD SHALL BE 0.2 MM.

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Figure 6. Package outline note HVSON12 (SOT2143-1))

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4 Legal information

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