# SOT2078-1



VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm body

7 September 2020

Package information

## 1 Package summary

**Terminal position code** B (bottom)

Package type descriptive code VSON6

Package style descriptive code VSON (very thin small outline; no leads)

Package body material type P (plastic)

Mounting method type S (surface mount)

**Issue date** 26-08-2020

Manufacturer package code 98ASA01688D

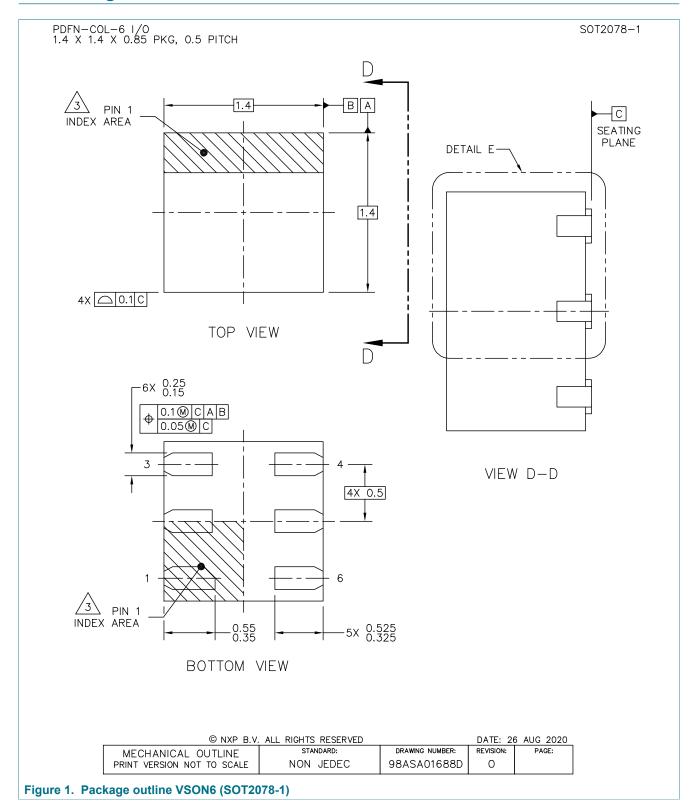
Table 1. Package summary

Parameter	Min	Nom	Max	Unit
package length	1.3	1.4	1.5	mm
package width	1.3	1.4	1.5	mm
package height	0.8	0.85	0.9	mm
nominal pitch	-	0.5	-	mm
actual quantity of termination	-	6	-	

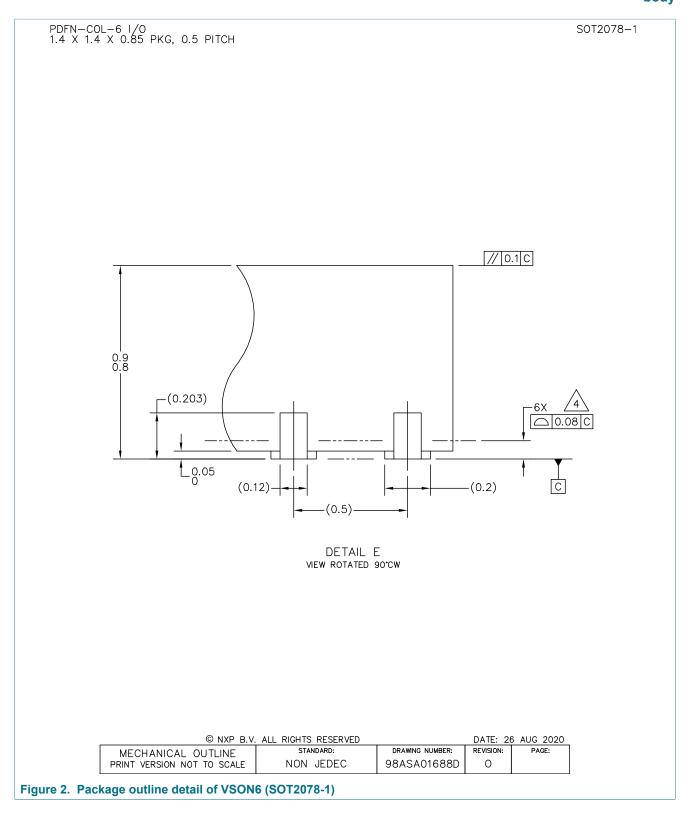


VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm body

# 2 Package outline



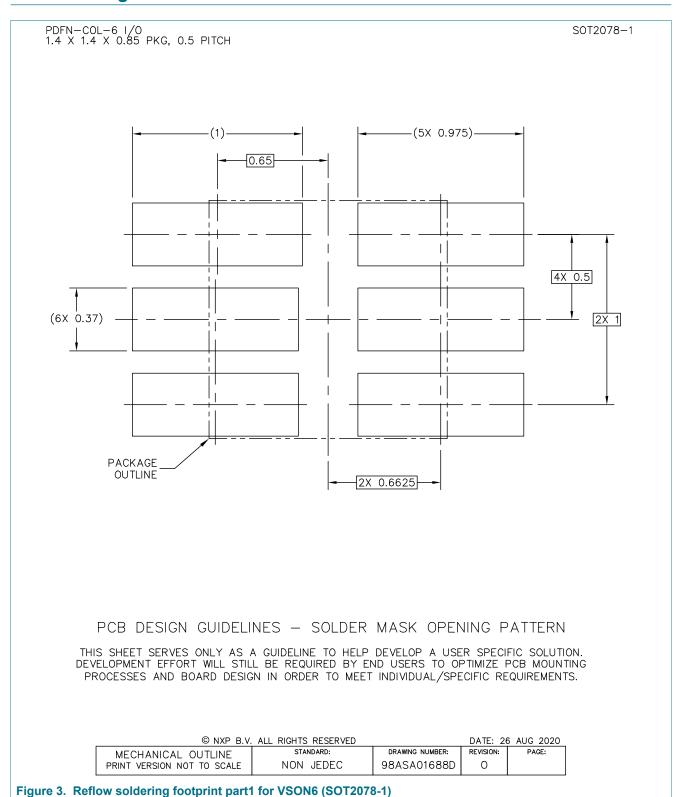
VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm



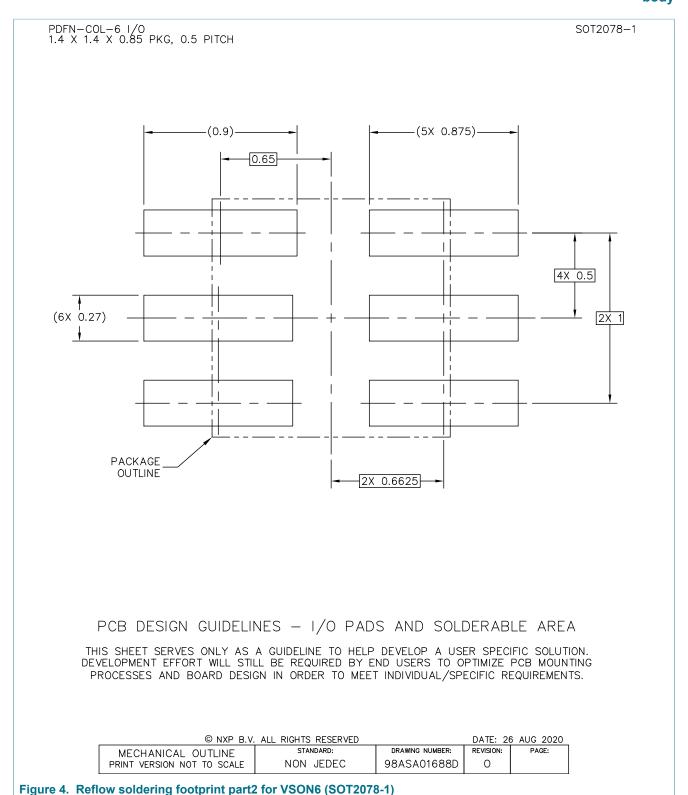
SOT2078-1

VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm body

### 3 Soldering



VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm



SOT2078-1

VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm

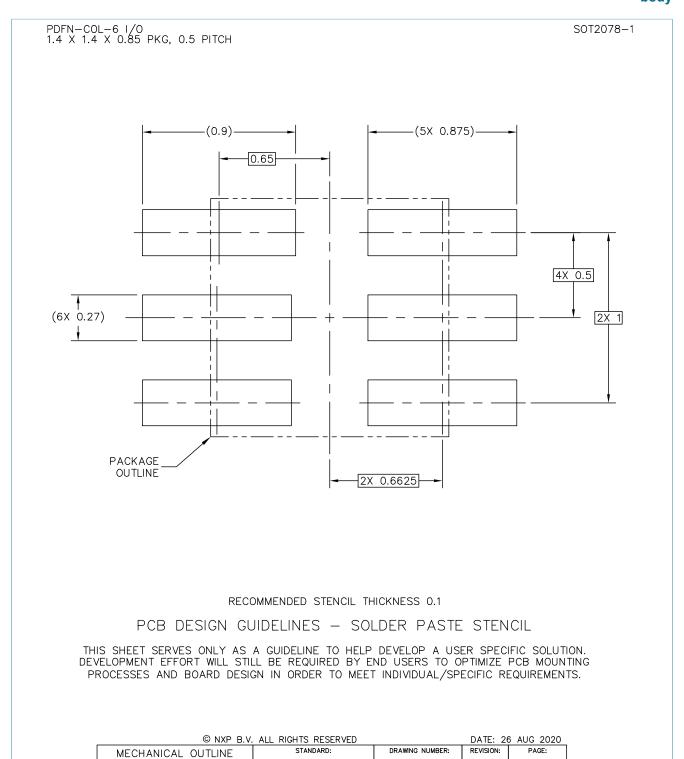


Figure 5. Reflow soldering footprint part3 for VSON6 (SOT2078-1)

PRINT VERSION NOT TO SCALE

98ASA01688D

Ω

NON JEDEC

VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm body

PDFN-COL-6 I/O 1.4 X 1.4 X 0.85 PKG, 0.5 PITCH SOT2078-1

#### 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.

5. MIN. METAL GAP SHOULD BE 0.15 MM.

© NXP B.V.	ALL RIGHTS RESERVED		DATE: 26	S AUG 2020
MECHANICAL OUTLINE	STANDARD:	DRAWING NUMBER:	REVISION:	PAGE:
PRINT VERSION NOT TO SCALE	NON JEDEC	98ASA01688D	0	

Figure 6. Package outline note VSON6 (SOT2078-1)

VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm

# 4 Legal information

#### **Disclaimers**

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, NXP Semiconductors does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. NXP Semiconductors takes no responsibility for the content in this document if provided by an information source outside of NXP Semiconductors.

In no event shall NXP Semiconductors be liable for any indirect, incidental, punitive, special or consequential damages (including without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, NXP Semiconductors' aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the Terms and conditions of commercial sale of NXP Semiconductors.

Right to make changes — NXP Semiconductors reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

VSON6, very thin small outline package, no leads, 6 terminals, 0.5 mm pitch, 1.4 mm x 1.4 mm x 0.85 mm body

### **Contents**

1	Package summary	1
2	Package outline	
3	Soldering	
4	Legal information	. 8