



---

## ST60A3H1 packing information

### Introduction

This document complements the ST60A3H1 datasheet (DS14598) by providing additional information on device packing.

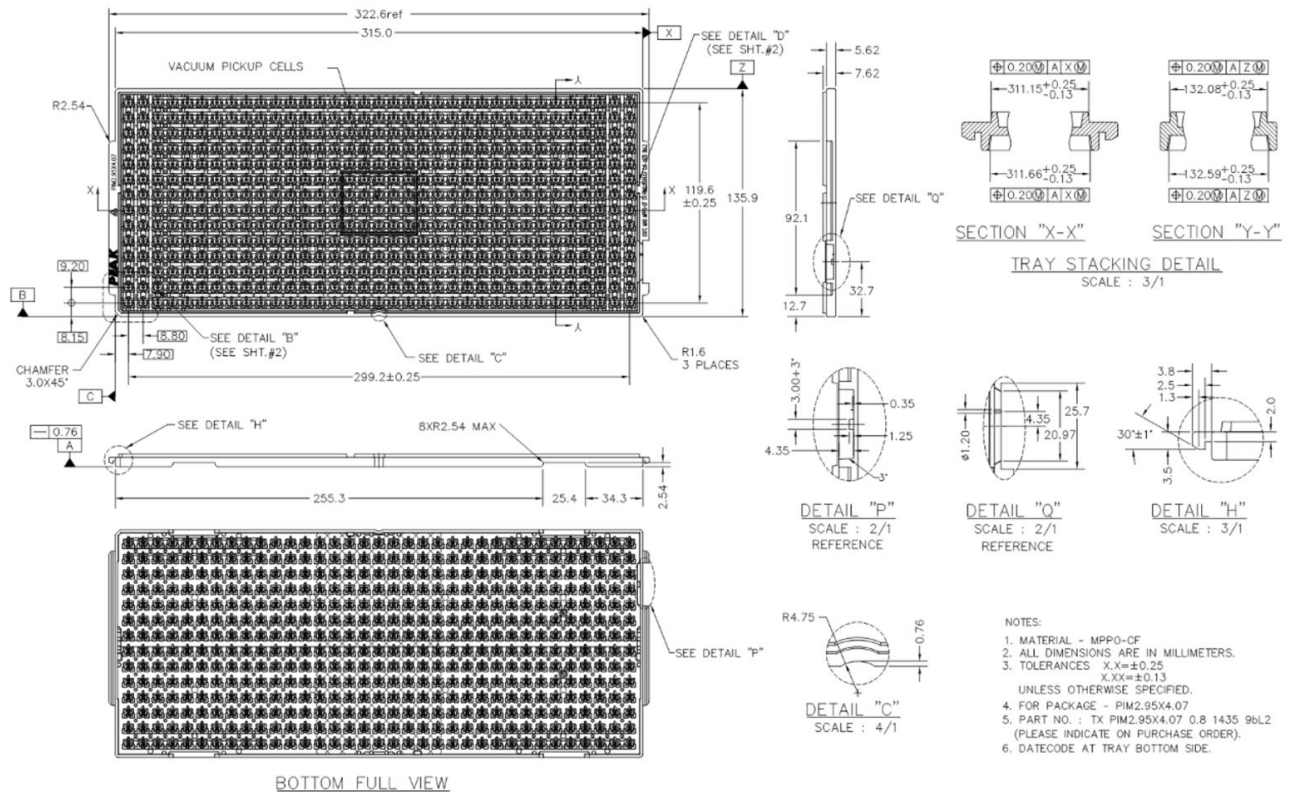
## 1 Tray packing information

This section provides information related to the dimensions, tolerances and characteristics of the tray packing for VFBGA 2.9 x 4.1 x 0.8 mm package.

**Table 1.** Tray packing information

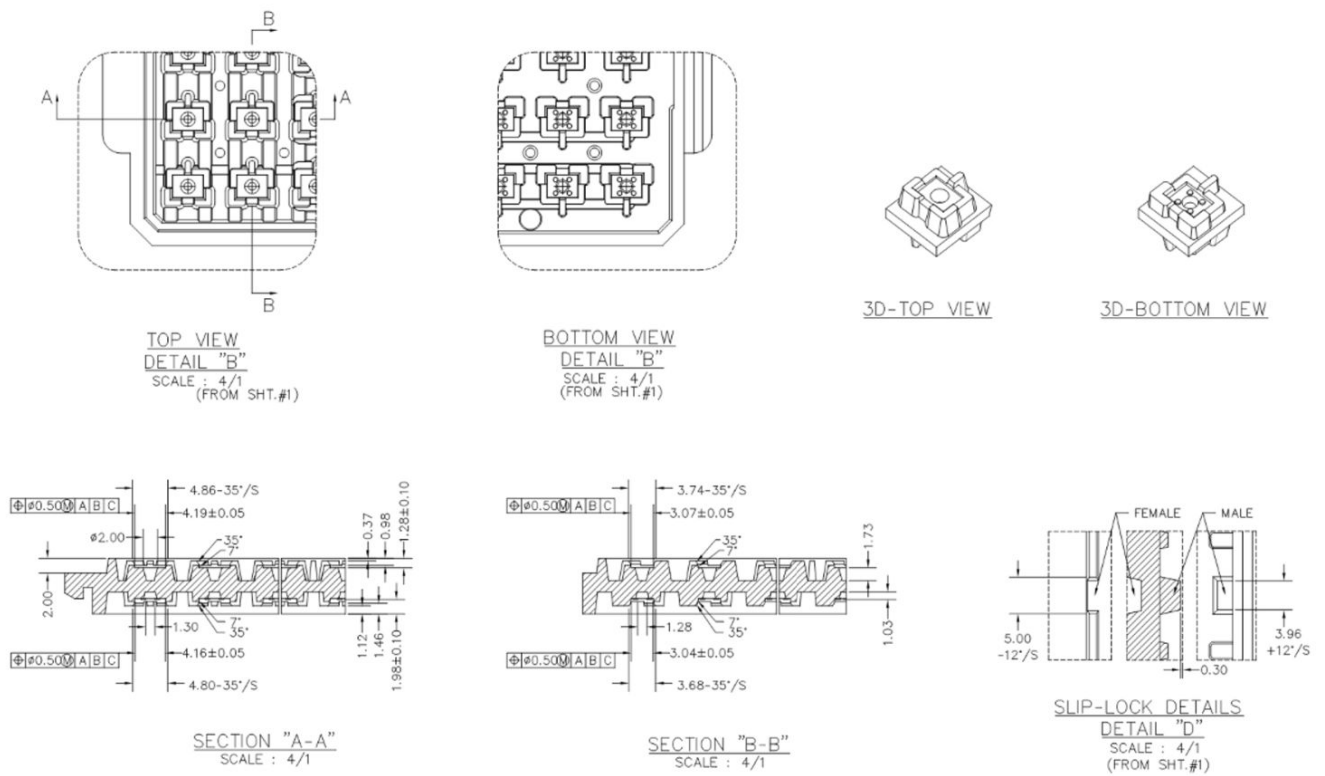
Package	Matrix	Base quantity	Bulk quantity
VFBGA 2.9 x 4.1	14 x 35	490	2940

**Figure 1. Tray design - bottom full view**



DT77095V1

**Figure 2. Tray design - detailed view**



DT77096V1

## 2 Tape and reel packing information

### 2.1 Reel dimensions and tape orientation

This section provides information related to the dimensions, tolerances and characteristics of the tape and reel packing for VFBGA 2.9 x 4.1 x 0.8 mm package.

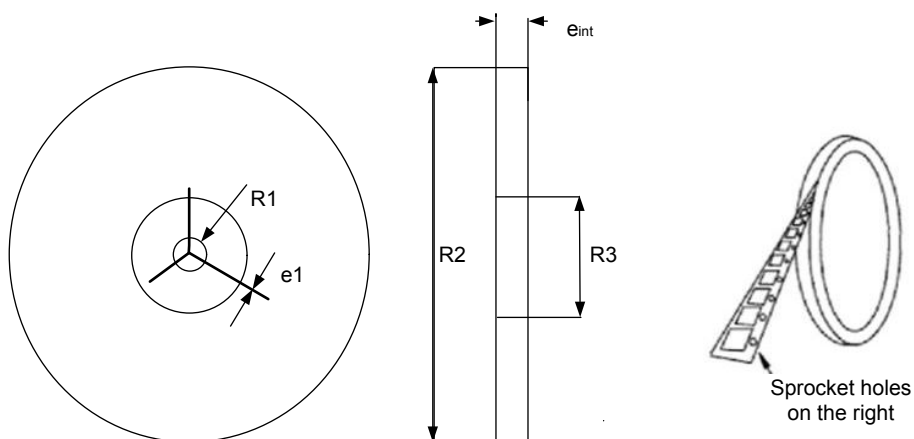
**Table 2. Tape and reel information**

Package	Tape width (W)	Part pitch (P)	Quantity
VFBGA 2.9 x 4.1	12 mm	8 mm	5000

**Table 3. Reel dimensions**

Reel diameter	R1	R2	R3
13"	13 mm	330 mm	100 mm

**Figure 3. Reel dimensions and tape orientation**



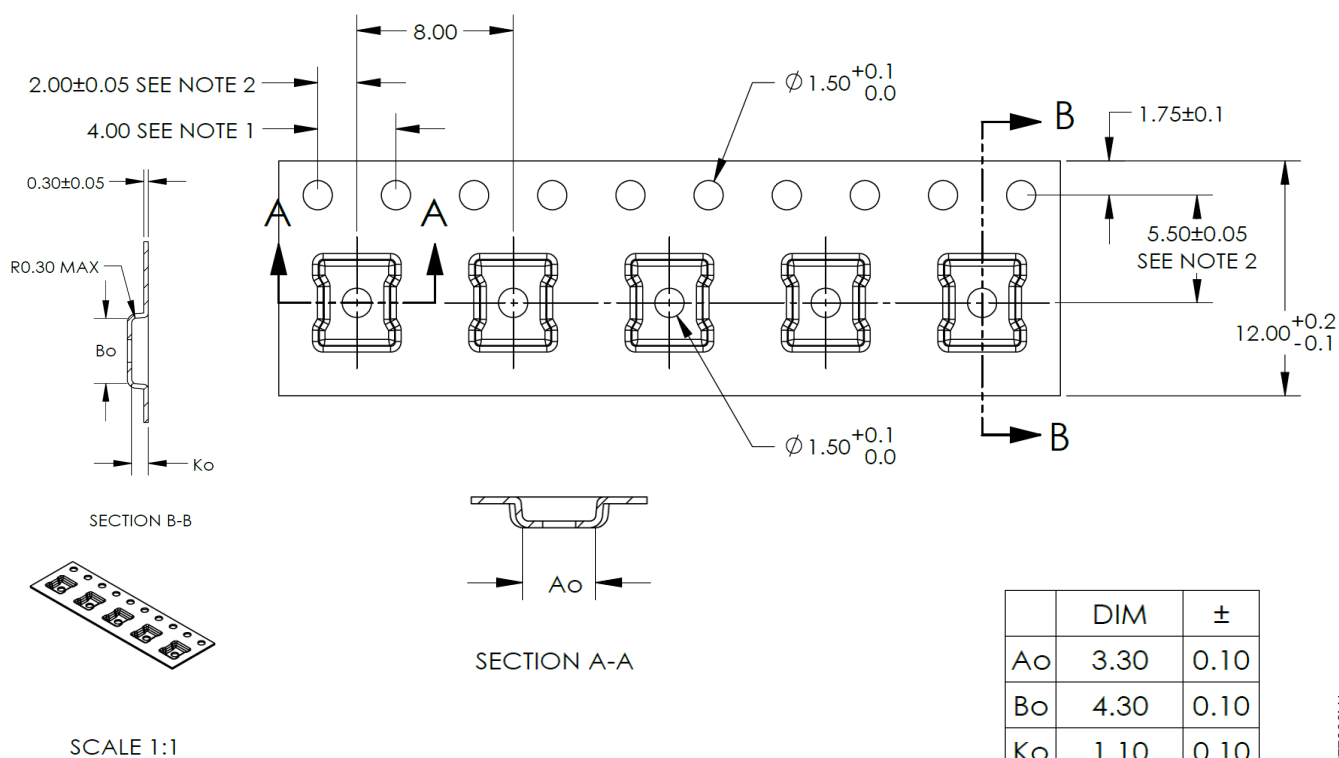
DTT7097V1

### 2.2 Carrier tape dimensions

**Table 4. Carrier tape dimensions**

Reference	Dimension	Deviation
Ao	3.30	±0.10
Bo	4.30	
Ko	1.10	

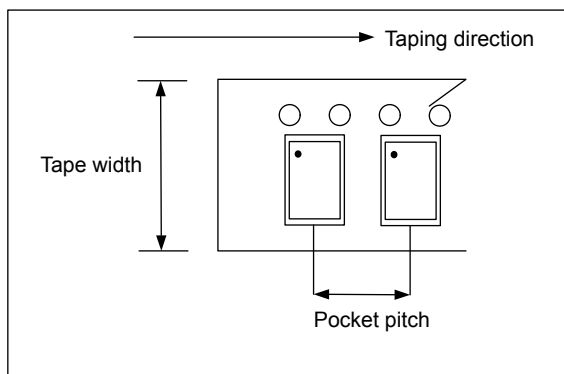
**Figure 4. Carrier tape dimensions**



- Note:**
1. 10 sprocket hole pitch cumulative tolerance  $\pm 0.2$ .
  2. Pocket position relative to sprocket hole measured as true position of the pocket, not the pocket hole.
  3. Ao and Bo are measured on a plane at a distance R above the bottom of the pocket

## 2.3 Device orientation on tape

**Figure 5. Device orientation on tape**



- Note:** The ball 1 location is on the top left corner of the package.

## Revision history

**Table 5. Document revision history**

Date	Version	Changes
17-Jul-2025	1	Initial release.

## Contents

<b>1</b>	<b>Tray packing information</b>	<b>2</b>
<b>2</b>	<b>Tape and reel packing information</b>	<b>5</b>
2.1	Reel dimensions and tape orientation	5
2.2	Carrier tape dimensions	5
2.3	Device orientation on tape	6
	<b>Revision history</b>	<b>7</b>
	<b>List of tables</b>	<b>9</b>
	<b>List of figures</b>	<b>10</b>



## List of tables

<b>Table 1.</b>	Tray packing information . . . . .	2
<b>Table 2.</b>	Tape and reel information . . . . .	5
<b>Table 3.</b>	Reel dimensions . . . . .	5
<b>Table 4.</b>	Carrier tape dimensions . . . . .	5
<b>Table 5.</b>	Document revision history . . . . .	7

## List of figures

<b>Figure 1.</b>	Tray design - bottom full view . . . . .	3
<b>Figure 2.</b>	Tray design - detailed view . . . . .	4
<b>Figure 3.</b>	Reel dimensions and tape orientation . . . . .	5
<b>Figure 4.</b>	Carrier tape dimensions . . . . .	6
<b>Figure 5.</b>	Device orientation on tape . . . . .	6

**IMPORTANT NOTICE – READ CAREFULLY**

STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice.

In the event of any conflict between the provisions of this document and the provisions of any contractual arrangement in force between the purchasers and ST, the provisions of such contractual arrangement shall prevail.

The purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgment.

The purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of the purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

If the purchasers identify an ST product that meets their functional and performance requirements but that is not designated for the purchasers' market segment, the purchasers shall contact ST for more information.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, refer to [www.st.com/trademarks](http://www.st.com/trademarks). All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2025 STMicroelectronics – All rights reserved