



# **Application Note**

## **AN\_564**

### **FT232RN/FT245RN (COO: TW)**

# **Tape, Reel, Tray, and Tube Dimensions**

**Version 1.0**

**Issue Date: 24-04-2025**

This document provides information on the Tape, Reel, Tray, and Tube dimensions for FT232RN/FT245RN (COO: TW).

Use of FTDI devices in life support and/or safety applications is entirely at the user's risk, and the user agrees to defend, indemnify, and hold FTDI harmless from any and all damages, claims, suits, or expense resulting from such use.

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## 1 Introduction

This document provides information on the tape and reel dimensions for FT232RNL, FT245RNL, FT232RNQ, and FT245RNQ.

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## 2 Packaging Options

FTDI can supply devices packaged in tape and reel packaging or in trays or tubes. The quantities in each package type are described below.

### 2.1 Tape and Reel Packaging

IC – Tape and Reel	Package	Quantities (pieces)
FT232RNQ	QFN	6000
FT232RNL	SSOP	2000
FT245RNQ	QFN	6000
FT245RNL	SSOP	2000

**Table 1 Tape and Reel Quantities**

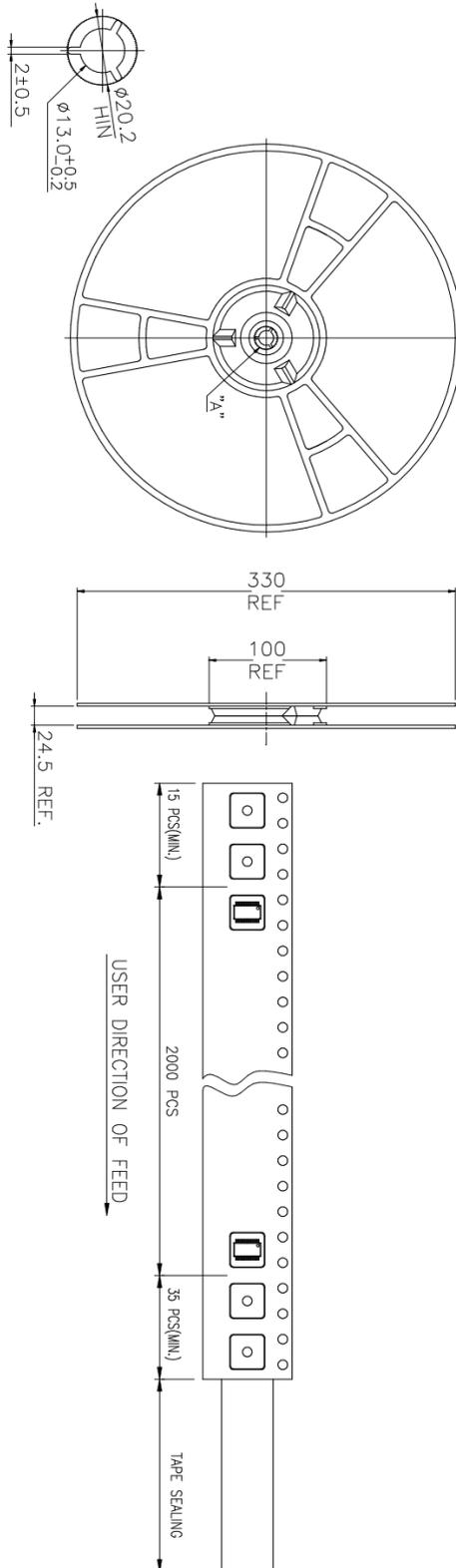
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## 2.2 Tray and Tube Packaging

IC – Tray and Tube	Package	Quantities (pieces)	Box of Trays/Tube (pieces)
FT232RNQ	QFN	490	10
FT232RNL	SSOP	47	100
FT245RNQ	QFN	47	100
FT245RNL	SSOP	490	10

**Table 2 Tube and Tray Quantities**

### 3 FT232RNL and FT245RNL Reel Dimensions



**Figure 1 FT232RNL and FT245RNL Reel Dimensions**

## 4 FT232RNL and FT245RNL Tape Dimensions

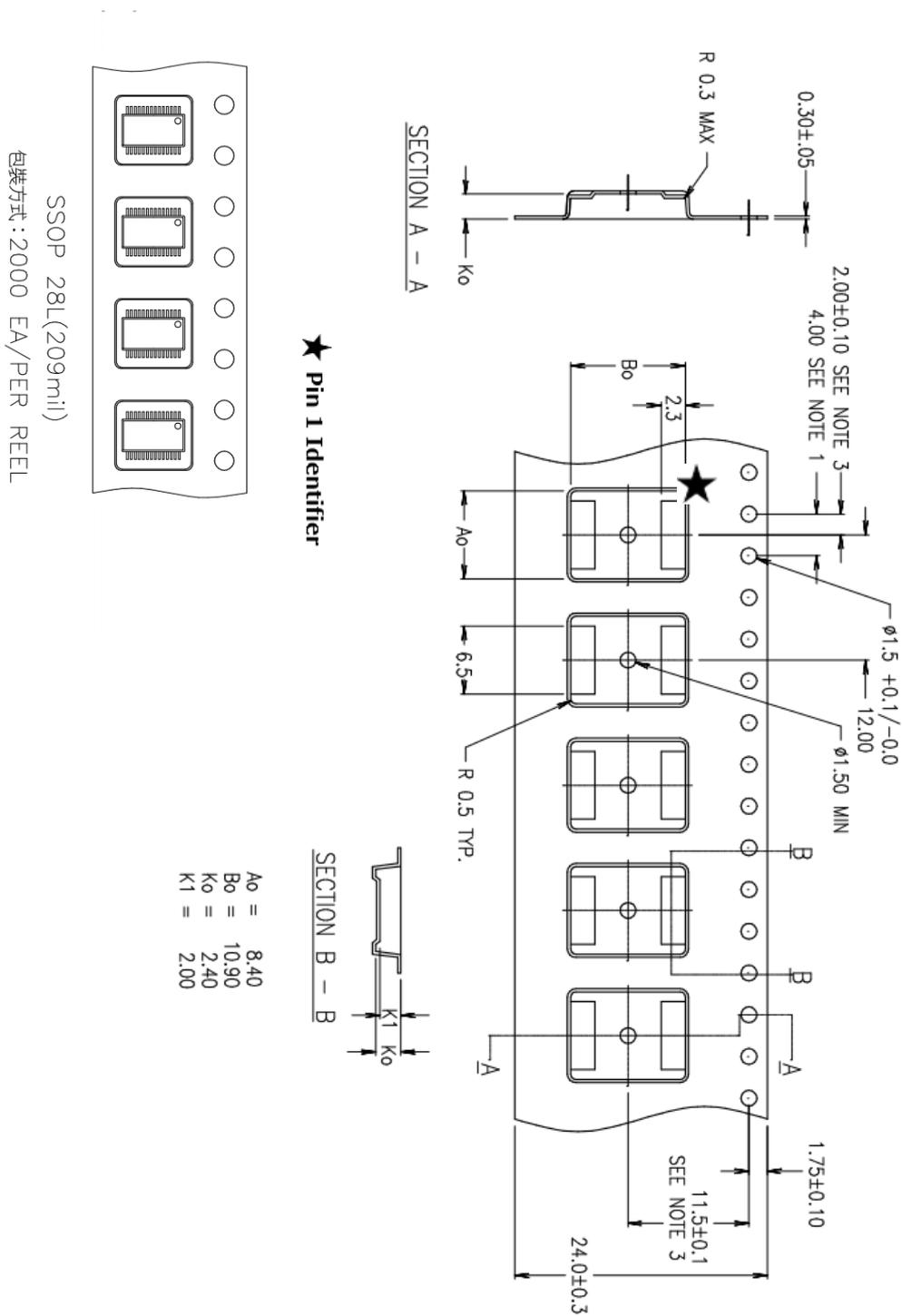


Figure 2 FT232RNL and FT245RNL Tape Dimensions

## 5 FT232RNL and FT245RNL Tube Dimensions

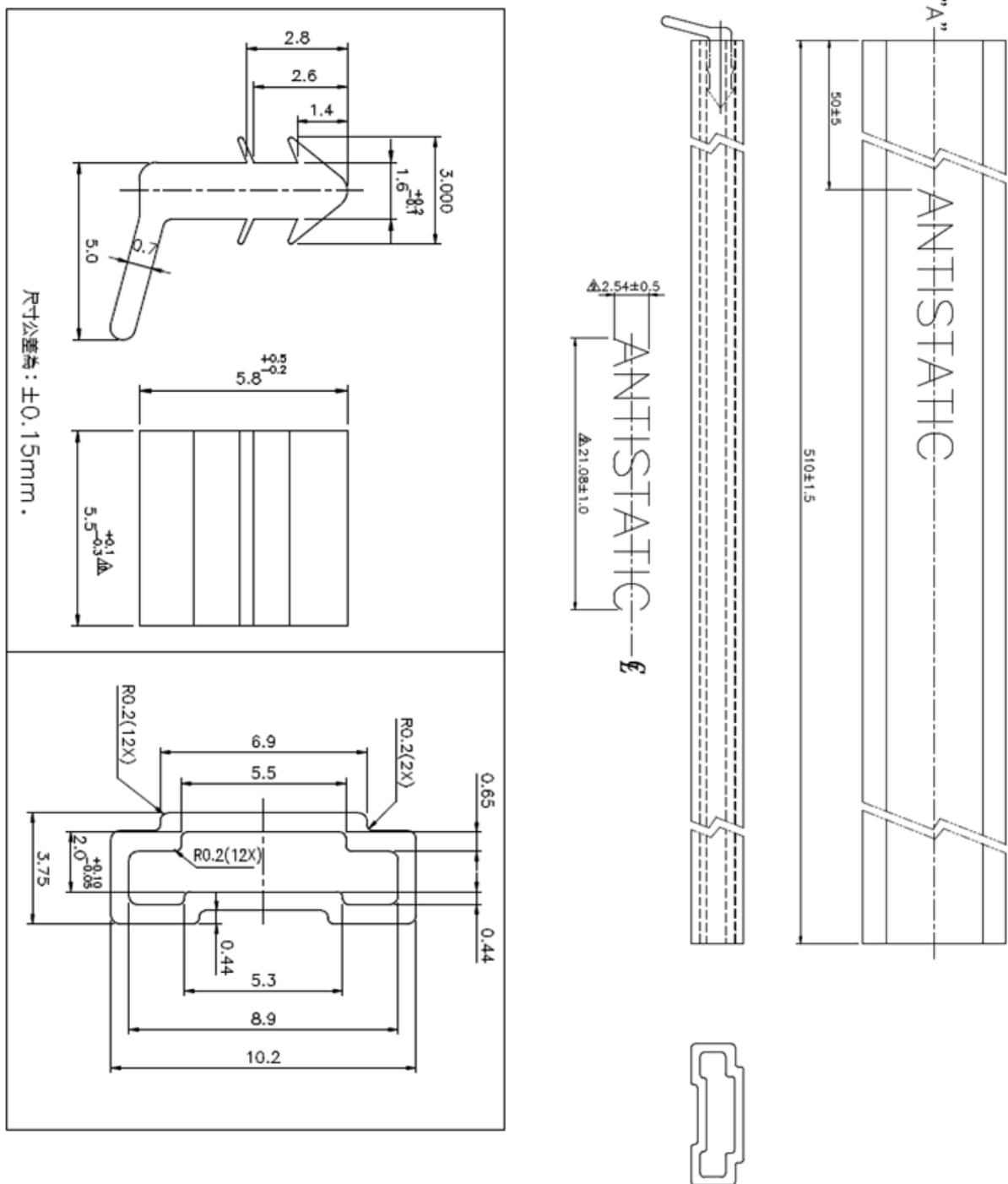


Figure 3 FT232RNL and FT245RNL Tube Dimensions

## 6 FT232RNQ and FT245RNQ Reel Dimensions

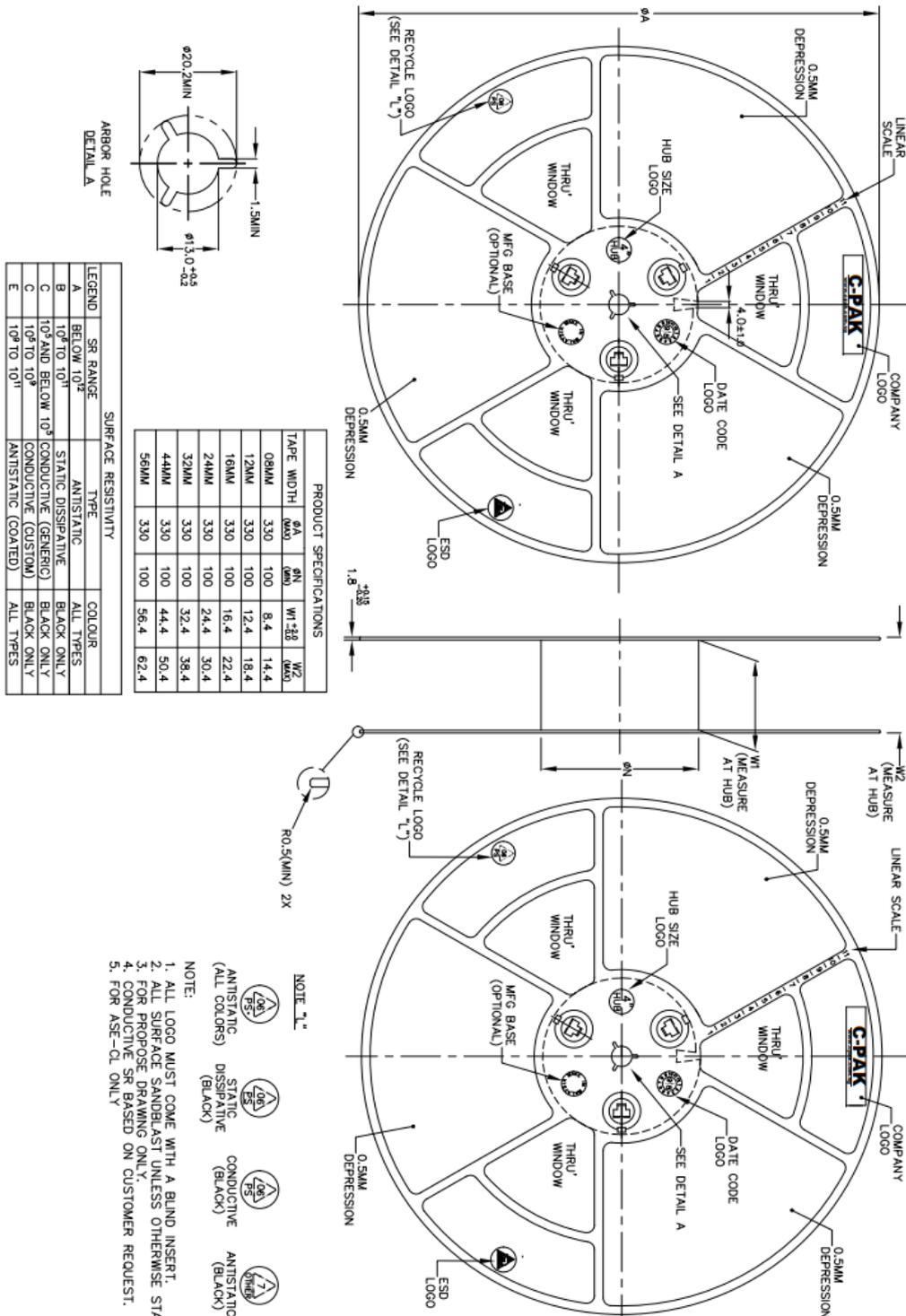
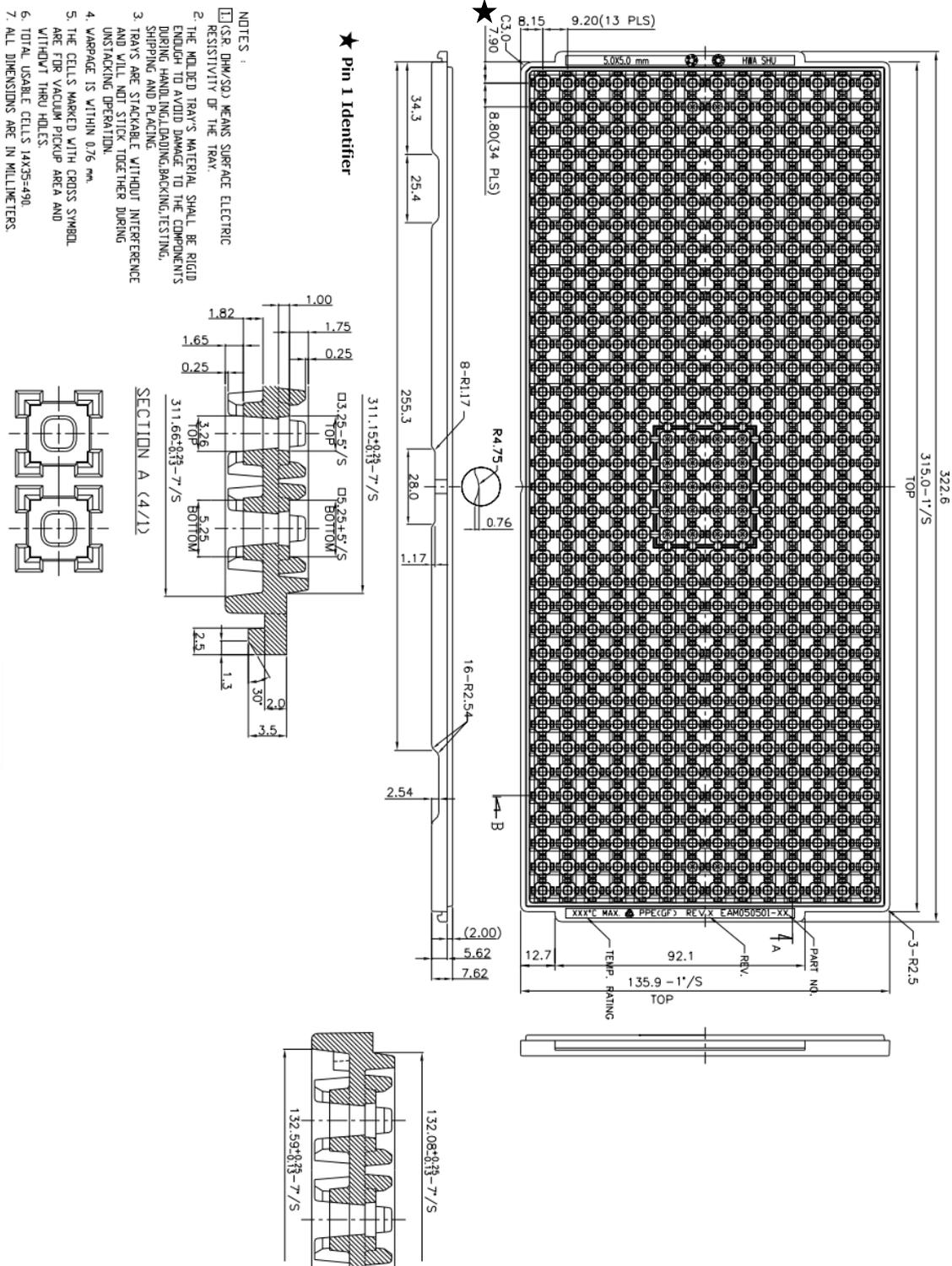


Figure 4 FT232RNQ and FT245RNQ Reel Dimensions

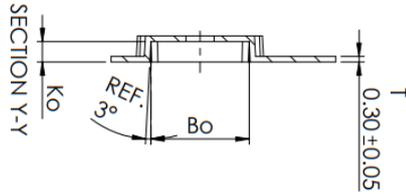
## 7 FT232RNQ and FT245RNQ Tray Dimensions



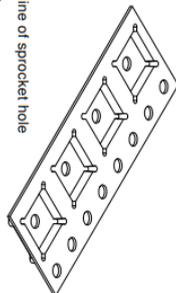
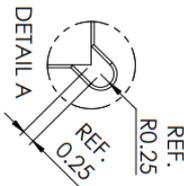
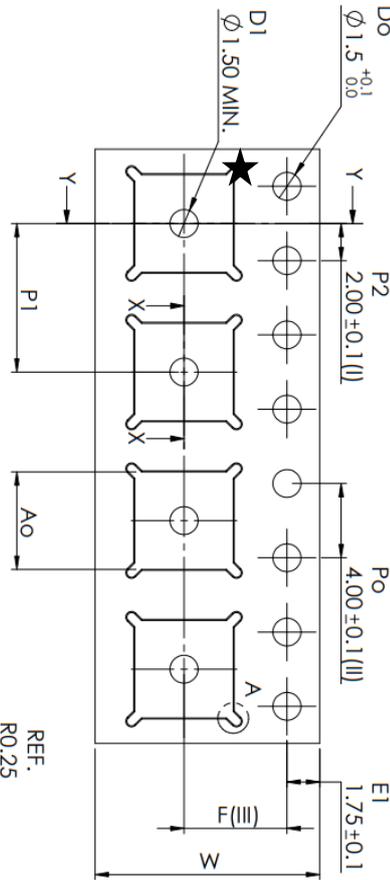
**Figure 5 FT232RNQ and FT245RNQ Tray Dimensions**

## 8 FT232RNQ and FT245RNQ Tape Dimensions

Ao	5.25	+/- 0.10
Bo	5.25	+/- 0.10
Ko	1.10	+/- 0.10
F	5.50	+/- 0.10
P1	8.00	+/- 0.10
W	12.00	+ 0.3/- 0.0



★ **Pin 1 Identifier**  
 6,000 EA/PAPER REEL



- (i) Measured from centreline of sprocket hole to centreline of pocket.
  - (ii) Cumulative tolerance of 10 sprocket holes is  $\pm 0.20$ .
  - (iii) Measured from centreline of sprocket hole to centreline of pocket.
  - (iv) Other material available.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

**Figure 6 FT232RNQ and FT245RNQ Tape Dimensions**

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## 9 Contact Information

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## Appendix A – References

### Document References

NA

### Acronyms and Abbreviations

<b>Terms</b>	<b>Description</b>
COO	Country of Origin
QFN	Quad Flat No-Leads Package
SSOP	Shrink Small Outline Package
TW	Taiwan

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## Appendix B – List of Figures and Tables

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## Appendix C – Revision History

Document Title : AN\_564 FT232RN/FT245RN (COO: TW) Tape, Reel, Tray, and Tube Dimensions  
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1.0	Initial Release.	24-04-2025