



Product Change Notification: CENO-30ZVLU437

Date:

19-Jun-2025

Product Category:

Linear Regulators

Notification Subject:

CCB 7548 Final Notice: Qualification of STAR as an additional final test site and scan and pack site for selected MIC5504, MIC5361, MIC5362, MIC5365, MIC5317, MIC5366, MIC5502, MIC5524, MIC5503 and MIC5501 device families available in 4L UDFN (1.0x1.0x0.6mm) package.

Affected CPNs:

[CENO-30ZVLU437_Affected_CPN_06192025.pdf](#)

[CENO-30ZVLU437_Affected_CPN_06192025.csv](#)

PCN Status: Final Notification

PCN Type: Manufacturing Change

Microchip Parts Affected: Please open one of the files found in the Affected CPNs section.

Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

Description of Change: Qualification of STAR as an additional final test site and scan and pack site for selected MIC5504, MIC5361, MIC5362, MIC5365, MIC5317, MIC5366, MIC5502, MIC5524, MIC5503 and MIC5501 device families available in 4L UDFN (1.0x1.0x0.6mm) package.

Pre and Post Summary Changes:

	Pre Change	Post Change	
Final Test Site	Unisem Chengdu Co.,Ltd. (UNIC)	Unisem Chengdu Co.,Ltd. (UNIC)	Stars Microelectronics (Thailand) Public Company Limited (STAR)
Scan and Pack Site			

Carrier Tape	With minor dimensional change. See Pre and Post change summary for comparison.
Cover Tape	
Reel	
Packing Method/Material	See Pre and Post Change summary for comparison.

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability and on-time delivery performance by qualifying STAR as an additional final test site and scan and pack site.

Change Implementation Status: In Progress

Estimated First Ship Date: 28 June 2025 (date code: 2526)

Note Below EFSD: Note: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Timetable Summary:

	May 2025					June 2025				
Work Week	18	19	20	21	22	23	24	25	26	27
Initial PCN Issue Date		x								
Qual Report Availability								x		
Final PCN Issue Date								x		
Estimated Implementation Date									x	

Method to Identify Change: Traceability Code

Qualification Report: Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History: May 07, 2025: Issued initial notification.

June 19, 2025: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on June 28, 2025.

Note: The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable product.

Attachments:

PCN_CENO-30ZVLU437_Qual Report.pdf

PCN_CENO-30ZVLU437_Pre and Post Change Summary.pdf

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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Affected Catalog Part Numbers (CPN)

MIC5524-2.8YMT-T5
MIC5524-3.3YMT-TZ
MIC5524-3.3YMT-T5
MIC5501-1.8YMT-T5
MIC5501-3.0YMT-T5
MIC5501-1.8YMT-TZ
MIC5501-1.8YMT-TR
MIC5503-1.8YMT-T5
MIC5503-1.8YMT-TR
MIC5504-1.8YMT-TR
MIC5504-1.2YMT-TZ
MIC5504-1.8YMT-T5
MIC5504-2.2YMT-T5
MIC5504-2.2YMT-TR
MIC5504-2.2YMT-TZ
MIC5504-2.5YMT-T5
MIC5504-1.8YMT-TZ
MIC5504-2.5YMT-TZ
MIC5504-2.8YMT-T5
MIC5504-2.8YMT-TR
MIC5504-2.8YMT-TZ
MIC5504-3.0YMT-T5
MIC5504-3.0YMT-TR
MIC5504-3.0YMT-TZ
MIC5502-3.0YMT-TZ
MIC5502-3.0YMT-TR
MIC5503-1.2YMT-TR

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MIC5504-3.1YMT-T5

MIC5504-3.1YMT-TR

MIC5504-3.1YMT-TZ

MIC5504-3.3YMT-TR

MIC5504-3.3YMT-TZ

MIC5524-1.2YMT-T5

MIC5524-1.2YMT-TZ

MIC5524-1.8YMT-T5

MIC5524-1.8YMT-TZ

MIC5524-2.5YMT-T5

MIC5502-1.8YMT-T5

MIC5502-1.8YMT-TR

MIC5502-1.8YMT-TZ

MIC5502-2.8YMT-T5

MIC5504-3.3YMT-T5

MIC5503-1.8YMT-TZ

MIC5504-1.0YMT-T5

MIC5504-1.0YMT-TR

MIC5504-1.2YMT-TR

MIC5504-1.2YMT-T5

MIC5361-2.5YMT-TZ

MIC5362-1.3YMT-TZ

MIC5362-2.1YMT-TR

MIC5362-2.1YMT-T5

MIC5362-2.0YMT-TZ

MIC5362-1.8YMT-TZ

MIC5362-1.5YMT-TZ

MIC5362-1.2YMT-TZ

MIC5362-1.1YMT-TZ

MIC5362-1.0YMT-TZ

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MIC5361-3.3YMT-TZ

MIC5361-3.1YMT-TZ

MIC5361-3.0YMT-TZ

MIC5361-2.8YMT-TZ

MIC5361-2.85YMT-TZ

MIC5361-2.7YMT-TZ

MIC5361-2.6YMT-TZ

MIC5361-2.0YMT-TZ

MIC5361-1.8YMT-TZ

MIC5361-1.5YMT-TZ

MIC5361-1.3YMT-TZ

MIC5361-1.2YMT-TZ

MIC5361-1.0YMT-TZ

MIC5365-2.0YMT-TZ

MIC5317-1.5YMT-TZ

MIC5317-1.2YMT-TZ

MIC5366-3.3YMT-TZ

MIC5366-3.1YMT-TZ

MIC5366-3.1YMT-TR

MIC5366-3.0YMT-TZ

MIC5366-2.9YMT-TZ

MIC5366-2.8YMT-TZ

MIC5366-2.85YMT-TZ

MIC5366-2.7YMT-TZ

MIC5366-2.6YMT-TZ

MIC5366-2.1YMT-TZ

MIC5317-1.0YMT-TZ

MIC5366-2.5YMT-TZ

MIC5317-3.0YMT-TZ

MIC5317-3.0YMT-TR

Date: Wednesday, June 18, 2025

CENO-30ZVLU437 - CCB 7548 Final Notice: Qualification of STAR as an additional final test site and scan and pack site for selected MIC5504, MIC5361, MIC5362, MIC5365, MIC5317, MIC5366, MIC5502, MIC5524, MIC5503 and MIC5501 device families available in 4L UDFN (1.0x1.0x0.6mm) package.

MIC5317-2.8YMT-TZ

MIC5317-3.3YMT-TZ

MIC5317-3.3YMT-TR

MIC5317-2.8YMT-TR

MIC5317-2.5YMT-TZ

MIC5317-1.8YMT-TZ

MIC5366-2.1YMT-T5

MIC5366-2.0YMT-TZ

MIC5366-1.5YMT-TZ

MIC5366-1.2YMT-TZ

MIC5365-3.3YMT-TZ

MIC5365-2.5YMT-TZ

MIC5365-1.8YMT-TZ

MIC5365-3.0YMT-TZ

MIC5365-2.9YMT-TZ

MIC5365-2.8YMT-TZ

MIC5365-2.85YMT-TZ

MIC5365-2.7YMT-TZ

MIC5365-2.6YMT-TZ

MIC5365-1.5YMT-TZ

MIC5365-1.2YMT-TZ

MIC5362-3.3YMT-TZ

MIC5362-3.1YMT-TZ

MIC5362-3.0YMT-TZ

MIC5362-2.8YMT-TZ

MIC5362-2.85YMT-TZ

MIC5362-2.7YMT-TZ

MIC5362-2.6YMT-TZ

MIC5362-2.5YMT-TZ

MIC5362-2.1YMT-TZ

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MIC5366-1.8YMT-TZ

MIC5366-1.0YMT-TZ

MIC5365-1.0YMT-TZ

MIC5504-2.5YMT-TR

MIC5502-2.8YMT-TZ

MIC5502-2.8YMT-TR

MIC5524-2.5YMT-TZ

MIC5503-1.2YMT-TZ

MIC5524-3.3YMT-TR

MIC5524-3.0YMT-TZ

MIC5524-3.0YMT-T5

MIC5524-2.8YMT-TZ

CCB 7548
Pre and Post Change Summary
PCN #: CENO-30ZVLU437

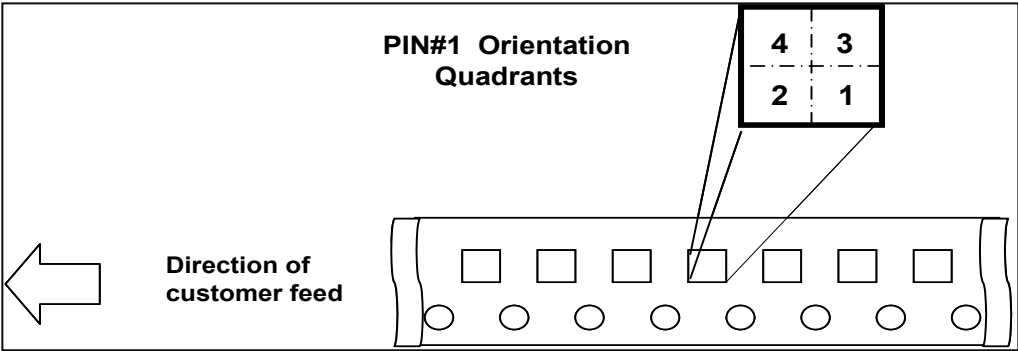
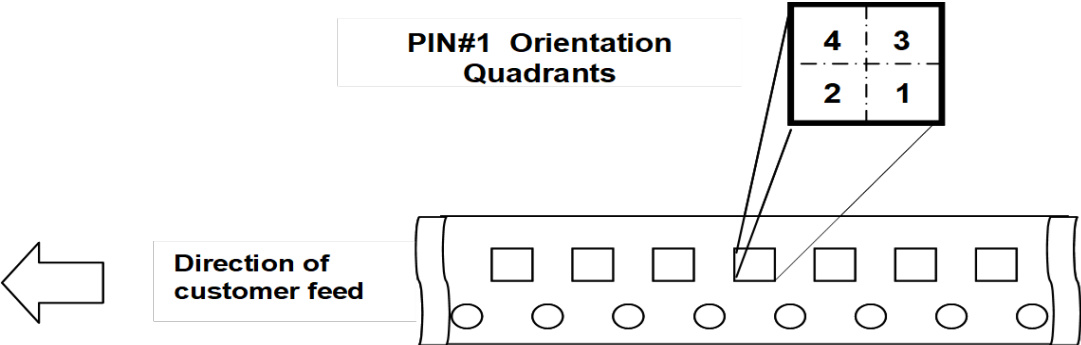


A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



SMART | CONNECTED | SECURE

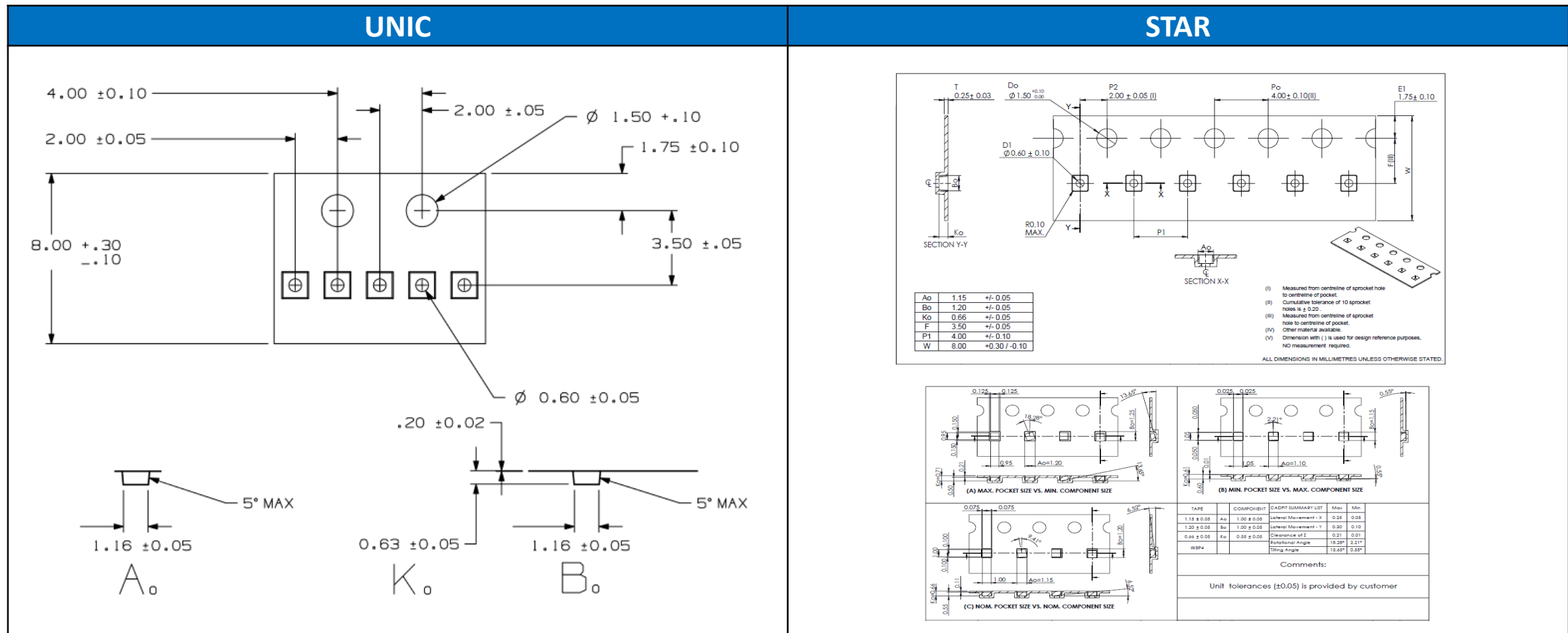
Tape and Reel - Pin1 Orientation and Quadrant

UNIC	STAR
<p data-bbox="173 358 741 411">Pin1 Orientation : 1</p>  <p>The diagram for the UNIC tape and reel shows a horizontal strip with a series of square and circular holes. An arrow on the left points left, labeled 'Direction of customer feed'. A callout box labeled 'PIN#1 Orientation Quadrants' shows a 2x2 grid with values: top-left is 4, top-right is 3, bottom-left is 2, and bottom-right is 1. Lines connect this callout to the fourth square hole from the left in the strip.</p>	<p data-bbox="1327 358 1888 411">Pin1 Orientation : 1</p>  <p>The diagram for the STAR tape and reel shows a horizontal strip with a series of square and circular holes. An arrow on the left points left, labeled 'Direction of customer feed'. A callout box labeled 'PIN#1 Orientation Quadrants' shows a 2x2 grid with values: top-left is 4, top-right is 3, bottom-left is 2, and bottom-right is 1. Lines connect this callout to the fourth square hole from the left in the strip.</p>

Tape and Reel - Standard Base Quantity Multiple

UNIC	STAR
500/Reel for ' T5 ' Suffix 5000/Reel for ' TR ' Suffix 10000/Reel for ' TZ ' Suffix	500/Reel for ' T5 ' Suffix 5000/Reel for ' TR ' Suffix 10000/Reel for ' TZ ' Suffix

Tape and Reel - CARRIER TAPE



Plant	W (mm)	P (mm)	A0 (mm)	B0 (mm)	K0 (mm)	Thickness (mm)
UNIC	8.00+0.30/-0.10	4.00±0.1	1.16±0.05	1.16±0.05	0.63 ±0.05	0.25 ±0.03
STAR	8.00+0.30/-0.10	4.00±0.1	1.15±0.05	1.20±0.05	0.66 ±0.1	0.25 ±0.05

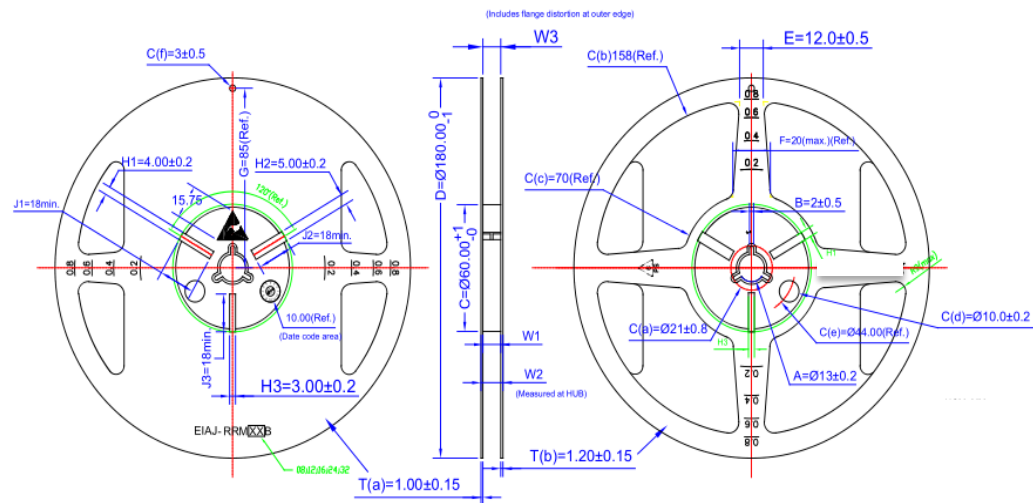
Tape and Reel - COVER TAPE

UNIC	STAR																																																
<div><div>Static Dissipative Heat Activiated Cover Tape 2671A Standard Width</div><table><tr><td>"A" (mm)</td></tr><tr><td>5.4 +/-0.1</td></tr></table></div> <div><div><div>DIM. "A" COVER TAPE</div><div>POLYESTER FILM</div><div>0.048</div></div><div>Cross section of cover tape</div></div>	"A" (mm)	5.4 +/-0.1	<div><table><tr><th>COVER TAPE WIDTH* (W ±0.1)</th><th>CARRIER TAPE WIDTH</th></tr><tr><td>5.3, 5.4, 5.5</td><td>8</td></tr><tr><td>9.2, 9.3, 9.5</td><td>12</td></tr><tr><td>13.3, 13.5</td><td>16</td></tr><tr><td>21.0, 21.3</td><td>24</td></tr><tr><td>25.5</td><td>32</td></tr><tr><td>37.5</td><td>44</td></tr><tr><td>49.5</td><td>56</td></tr></table><div>NOTES 1 THICKNESS : 0.041 ~ 0.051 2 STANDARD LENGTH : 300m or 500m 3 TENSILE STRENGTH : 6.42 kg/mm sq. 4 ELONGATION : 75% 5 TOP SURFACE RESISTANCE: 1E+4 TO 9.9E+10 ohms. TOP SURFACE RESISTIVITY: 1E+5 TO 9.9E+11 ohms/sq. ADHESIVE SURFACE RESISTANCE: 1E+4 TO 9.9E+8 ohms. ADHESIVE SURFACE RESISTIVITY: 1E+5 TO 9.9E+9 ohms/sq. 6 PEEL STRENGTH CONFORMS TO EIA SPEC: 20 TO 80g 7 RECOMMENDED SHELF LIFE : 2 YEARS FROM MANUFACTURING DATE 8 LUMINOUS TRANSMITTANCE : 85% 9 HAZE : <=25%</div><table><tr><th>COVER TAPE WIDTH</th><th>COVER TAPE WIDTH TOLERANCE</th><th>CARRIER TAPE WIDTH</th></tr><tr><td>5.3, 5.4, 5.5</td><td></td><td>8</td></tr><tr><td>9.1, 9.2, 9.3, 9.5</td><td></td><td>12</td></tr><tr><td>13.1, 13.3, 13.5</td><td></td><td>16</td></tr><tr><td>21.0, 21.3</td><td></td><td>24</td></tr><tr><td>25.5</td><td></td><td>32</td></tr><tr><td>37.5</td><td></td><td>44</td></tr><tr><td>49.5</td><td></td><td>56</td></tr><tr><td>65.5</td><td>±0.15</td><td>72</td></tr><tr><td>81.5</td><td>±0.20</td><td>88</td></tr></table></div>	COVER TAPE WIDTH* (W ±0.1)	CARRIER TAPE WIDTH	5.3, 5.4, 5.5	8	9.2, 9.3, 9.5	12	13.3, 13.5	16	21.0, 21.3	24	25.5	32	37.5	44	49.5	56	COVER TAPE WIDTH	COVER TAPE WIDTH TOLERANCE	CARRIER TAPE WIDTH	5.3, 5.4, 5.5		8	9.1, 9.2, 9.3, 9.5		12	13.1, 13.3, 13.5		16	21.0, 21.3		24	25.5		32	37.5		44	49.5		56	65.5	±0.15	72	81.5	±0.20	88
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Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
UNIC	5.4 ± 0.1	0.048	Transparent	Heat Sealing
STAR	5.4 ± 0.1	0.041 ± 0.051	Transparent	Heat Sealing

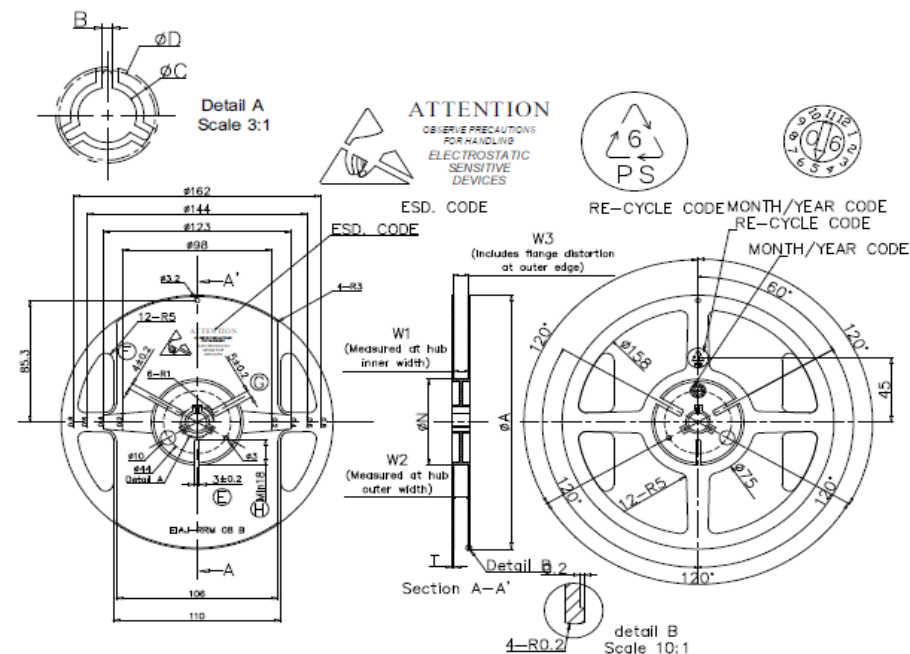
Tape and Reel - PLASTIC REEL

UNIC



Part Number	HUB (Width)	W1 ⁺¹ ₋₀	W2 ⁺¹ ₋₁	W3
RJ708(WT/BL/BK/DBK)	8	9	11.4	9 +1.5/-0.0

STAR



PART NUMBER	ØA ±2.00	ØN ±0.50	B $\begin{smallmatrix} +0.50 \\ -0.00 \end{smallmatrix}$	ØC $\begin{smallmatrix} +0.50 \\ -0.20 \end{smallmatrix}$	ØD ±0.20	T ±0.10	W1 $\begin{smallmatrix} +2.00 \\ -0.00 \end{smallmatrix}$	W2 (Max)	W3 (Max)
R7-12-2.4-E	178.00	60.50	2.20	13.00	21.00	1.80	12.40	18.40	Shell Accommodate Tape Width
R7-16-2.4-F	178.00	60.50	2.20	13.00	21.00	1.80	16.40	22.40	Without Interference

Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
UNIC	177.8	60.96	11.4	Blue
STAR	178.00±2.00	60.50± 0.5	12.40+2.0/-0.15	Dark Blue

Tape and Reel - Bag

UNIC

Static Shielding Bag

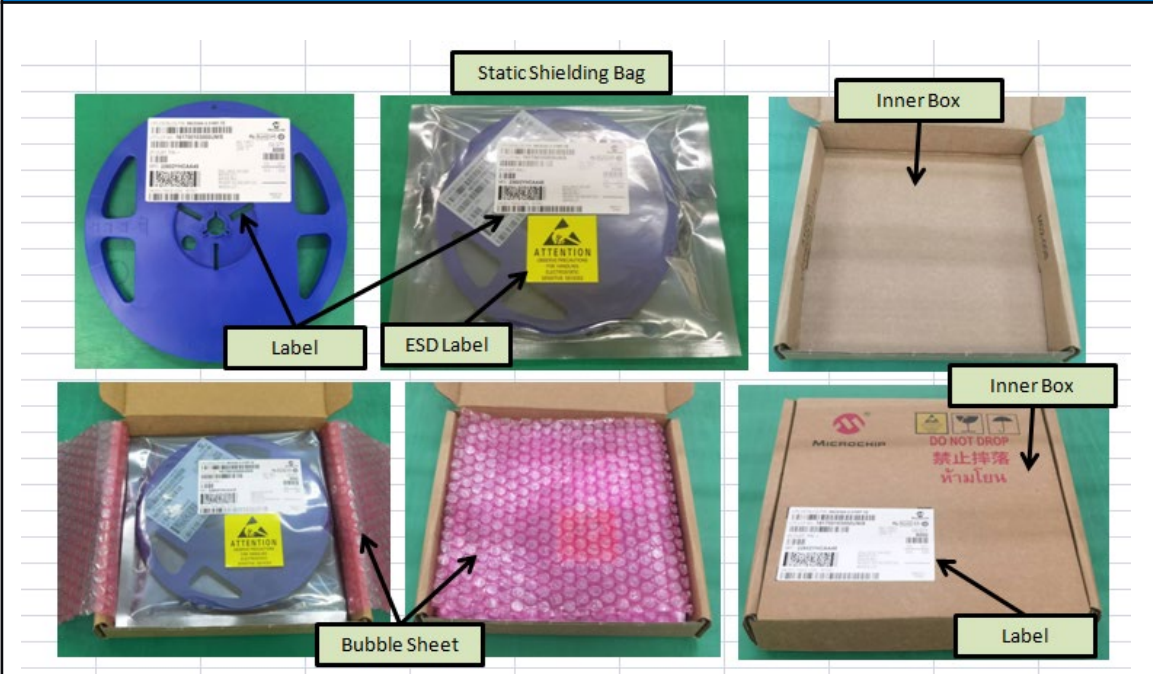
PN#	Width	Length	Thickness
510087	220mm +5/-0	280mm +5/-0	0.08mm ± 10%

STAR

Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
UNIC	STATIC SHIELDING BAG	415 +5/-0	385 +5/-0	0.08+/-10%
STAR	STATIC SHIELDING BAG	241.4 +5/-0	228.6 +5/-0	9+/- 2MM

Tape and Reel - Packing Method

UNIC



MSL - 1

Inner box
Dimension
W x L x H (cm)
22x20.4x3.5

STAR



MSL - 1

Inner box
Dimension
W x L x H (cm)
37x35.1x5.3



MICROCHIP

QUALIFICATION REPORT SUMMARY

PCN #: CENO-30ZVLU437

Date:

May 1, 2025

Qualification of STAR as an additional final test site and scan and pack site for selected MIC5504, MIC5361, MIC5362, MIC5365, MIC5317, MIC5366, MIC5502, MIC5524, MIC5503 and MIC5501 device families available in 4L UDFN (1.0x1.0x0.6mm) package.

Purpose: Qualification of STAR as an additional final test site and scan and pack site for selected MIC5504, MIC5361, MIC5362, MIC5365, MIC5317, MIC5366, MIC5502, MIC5524, MIC5503 and MIC5501 device families available in 4L UDFN (1.0x1.0x0.6mm) package.

CCB No.: 7548

Test Name	Test Conditions	Sample Size	Qty of Lots	Fail/Accept Criteria	Result
Bin and Yield Comparison	Test the same units at existing and destination locations and compare Bin and Yield data.	3000	1	$\leq 0.1\%$	Pass
Parametric / Characterization Comparison	Characterize the same units at existing and destination locations and compare data.	33	1	$\leq 10\%$	Pass
Correlation Lot report	Yield at each step and reject analysis between systems. 33 units are tested as lot correlation - Accept on yield match within 0.1%	33	1	$\leq 0.1\%$	Pass