



Product Change Notification: NTDO-22LDBT197

Date:

25-Jun-2025

Product Category:

Battery Management and Fuel Gauges - Battery Chargers, Linear Regulators

Notification Subject:

CCB 7676 Initial Notice: Qualification of HANA as an additional final test location for selected MIC2954, MIC2920A, MIC37100, MIC39100, MIC5201, MIC5200, MIC5233, MIC5239, MIC5209 and MIC79050 device families available in 3L SOT-223 package.

Affected CPNs:

[NTDO-22LDBT197_Affected_CPN_06252025.pdf](#)

[NTDO-22LDBT197_Affected_CPN_06252025.csv](#)

PCN Status: Initial 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 HANA as an additional final test location for selected MIC2954, MIC2920A, MIC37100, MIC39100, MIC5201, MIC5200, MIC5233, MIC5239, MIC5209 and MIC79050 device families available in 3L SOT-223 package.

Pre and Post Summary Changes:

	Pre Change	Post Change	
Final Test Site	Great Team Backend Foundry (Dong Guan) Ltd. (GTBF)	Great Team Backend Foundry (Dong Guan) Ltd. (GTBF)	Hana Semiconductor CO., LTD. (HANA)
Carrier Tape	With minor dimensional change. See Pre and Post change summary for comparison.		

Cover Tape	With minor dimensional change. See Pre and Post change summary for comparison.
Reel	With minor dimensional change. See Pre and Post change summary for comparison.
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 HANA as an additional final test location.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: July 2025

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Timetable Summary:

	June 2025					July 2025			
Work Week	23	24	25	26	27	28	29	30	31
Initial PCN Issue Date				X					
Qual Report Availability						X			
Final PCN Issue Date						X			

Method to Identify Change: Traceability Code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History: June 25, 2025: Issued initial notification

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_NTDO-22LDBT197 Qual_Plan.pdf

PCN_NTDO-22LDBT197_Pre and Post_Change_Summary.pdf

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

Terms and Conditions:

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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)

MIC5201-5.0YS-TR
MIC5209-2.5YS-TR
MIC5209-3.0YS-TR
MIC5209-3.3YS-TR
MIC5209-3.6YS-TR
MIC5209-4.2YS-TR
MIC5209-5.0YS-TR
MIC5233-3.3YS-TR
MIC5233-5.0YS-TR
MIC5239-1.5YS-TR
MIC5239-1.8YS-TR
MIC5239-2.5YS-TR
MIC5239-3.0YS-TR
MIC5239-3.3YS-TR
MIC5239-5.0YS-TR
MIC79050-4.2YS-TR
MIC2920A-12WS-TR
MIC2920A-3.3WS-TR
MIC2920A-5.0WS-TR
MIC2954-02WS-TR
MIC2954-03WS-TR
MIC37100-1.5WS-TR
MIC37100-1.65WS-TR
MIC37100-1.8WS-TR
MIC37100-2.5WS-TR
MIC37100-3.3WS-TR
MIC39100-1.8WS-TR

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MIC39100-2.5WS-TR

MIC39100-3.3WS-TR

MIC39100-5.0WS-TR

MIC5200-3.0YS-TR

MIC5200-3.3YS-TR

MIC5200-4.8YS-TR

MIC5200-5.0YS-TR

MIC5201-3.0YS-TR

MIC5201-3.3YS-TR

MIC5201-4.8YS-TR



MICROCHIP

QUALIFICATION PLAN SUMMARY

PCN# NTDO-22LDBT197

Date:

June 6, 2025

Qualification of HANA as an additional final test location for selected MIC2954, MIC2920A, MIC37100, MIC39100, MIC5201, MIC5200, MIC5233, MIC5239, MIC5209 and MIC79050 device families available in 3L SOT-223 package.

Purpose: Qualification of HANA as an additional final test location for selected MIC2954, MIC2920A, MIC37100, MIC39100, MIC5201, MIC5200, MIC5233, MIC5239, MIC5209 and MIC79050 device families available in 3L SOT-223 package.

CCB No.: 7676

Test Name	Test Conditions	Sample Size	Qty of Lots	Fail/Accept Criteria
Bin and Yield Comparison	Test the same units at existing and destination locations and compare the Bin and Yield data.	3000	1	≤0.1%
Parametric Correlation	Characterize the same units at existing and destination locations and compare data	33	1	≤10.0%
Correlation Lot report	Yield at each step and reject analysis between systems. 33 units are tested as lot correlation.	33	1	≤0.1%

CCB 7676

Pre and Post Change Summary

PCN# NTDO-22LDBT197



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



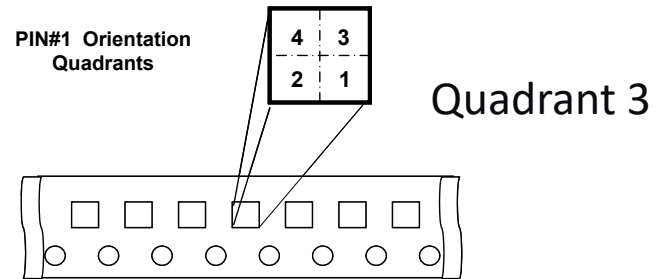
SMART | CONNECTED | SECURE

Pre and Post Change Summary – Pin Orientation

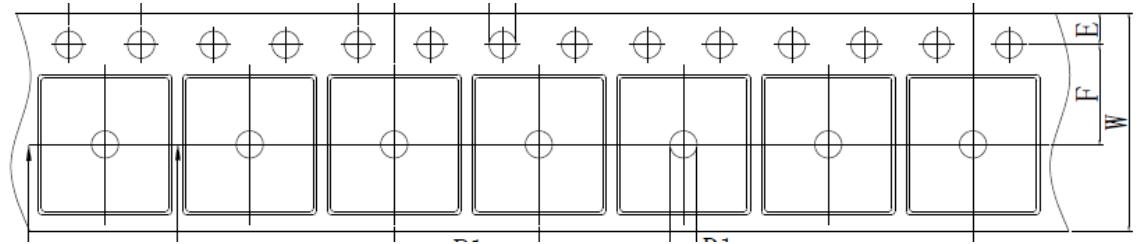
GTBF



The heat dissipation plate faces the round hole



HANA

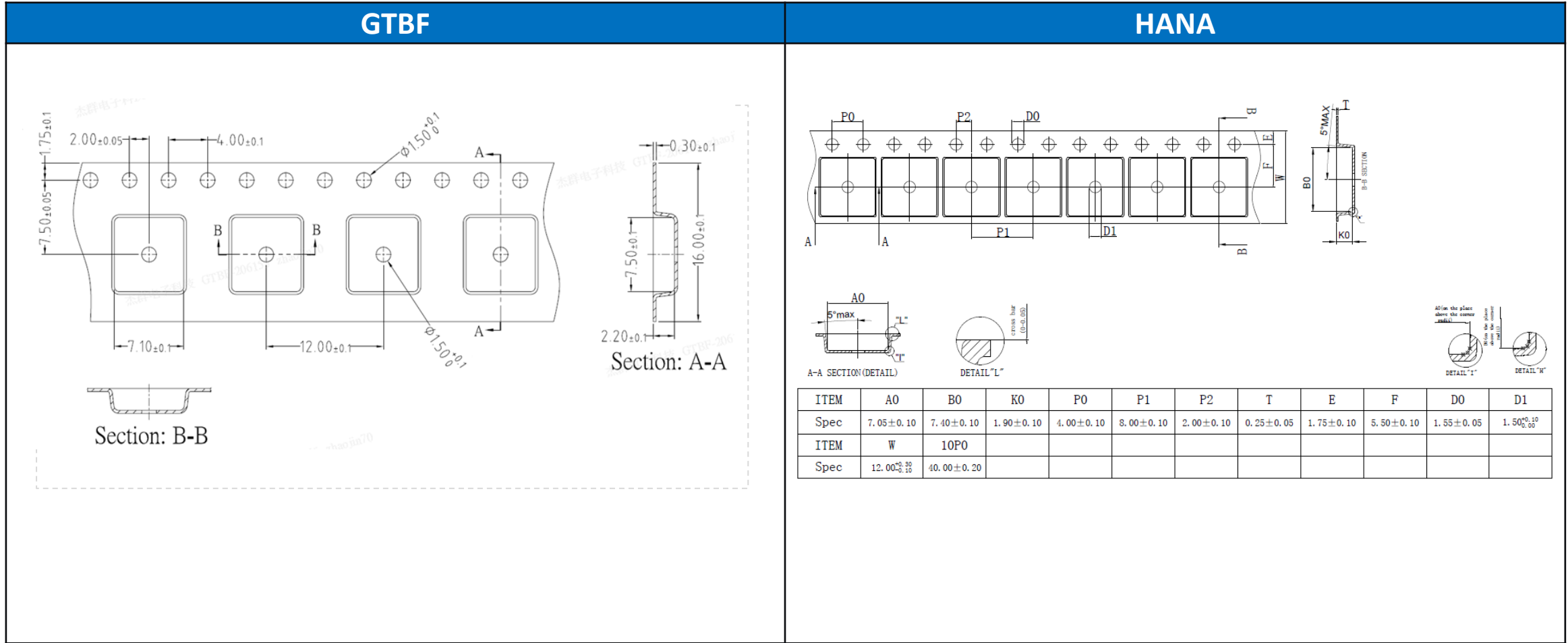


Quadrant 3

Pre and Post Change Summary – Reel

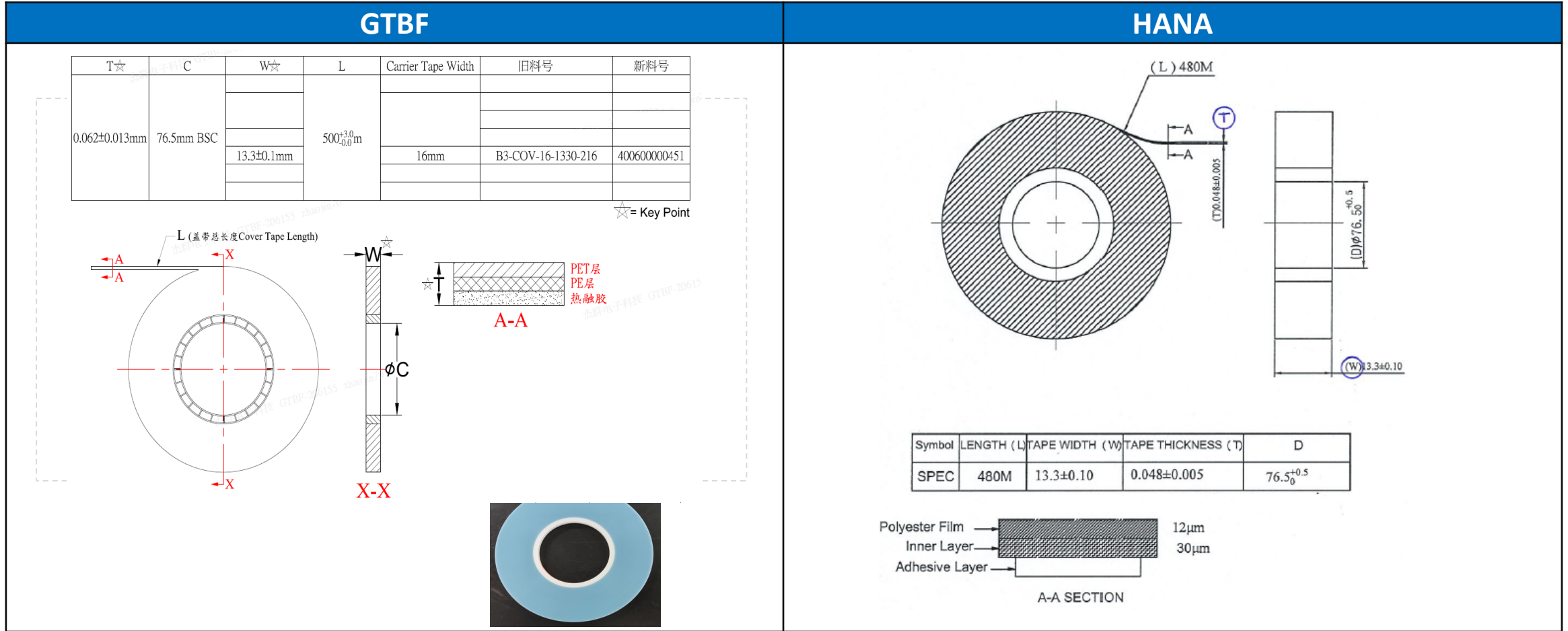
GTBF	HANA
<p data-bbox="448 344 889 458">Unit per Reel: 2,500 1 reel per bag</p>	<p data-bbox="1640 344 2081 458">Unit per Reel: 2,500 1 reel per bag</p>

Pre and Post Change Summary – Carrier Tape



Plant	W (mm)	P (mm)	A0 (mm)	B0 (mm)	K0 (mm)	Thickness (mm)
GTBF	16.00±0.10	12.0±0.10	7.10±0.10	7.50±0.10	2.20±0.10	0.30±0.10mm
HANA	16.00 +0.30, -0.10	8.00±0.10	7.05±0.10	7.40±0.10	1.90±0.10	0.25±0.05mm

Pre and Post Change Summary – Cover Tape



Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
GTBF	13.3 +/-0.10	0.062+/-0.013mm	Clear	Heat sealing
HANA	13.3 ± 0.10	0.048+/-0.005mm	Clear	Heat sealing

Pre and Post Change Summary – Plastic Reel

GTBF

"正视图" "侧视图" "底视图"

载带卡槽位

ITEM		Tape size	A☆	B	C	D	E(Ref)	T☆	W1☆	W2☆	Z
COMMON DIMENSIONS (mm)	MAX	16mm	φ332	2.5	φ13.5	21.5	7.2	2.45	18.4	19.4	100.5
	NOM		φ330	2.0	φ13.0	21.0	6.8	2.15	16.4	16.4	100
	MIN		φ328	1.5	φ12.8	20.5	6.3	1.85	16.4	16.4	99.5
	NOM										

单位: mm

ATTENTION
Electrostatic Sensitive Devices
Safe Handling Required

标志参考

HANA

P/N	TAPE WIDTH	A	B	C	D	N	W1	W2	W3	SW
DR330-4-SW4-16	16 MM	330.00 ± 2.00	1.50 MIN	13.00 + 0.50 / -0.20	20.20 MIN	100.00 ± 2.00	16.40 + 2.00 / - 0.00	22.40 MAX	19.40 MAX	2.50 MIN
DR330-4-SW4-24	24 MM	330.00 ± 2.00	1.50 MIN	13.00 + 0.50 / -0.20	20.20 MIN	100.00 ± 2.00	24.40 + 2.00 / - 0.00	30.40 MAX	27.40 MAX	2.50 MIN

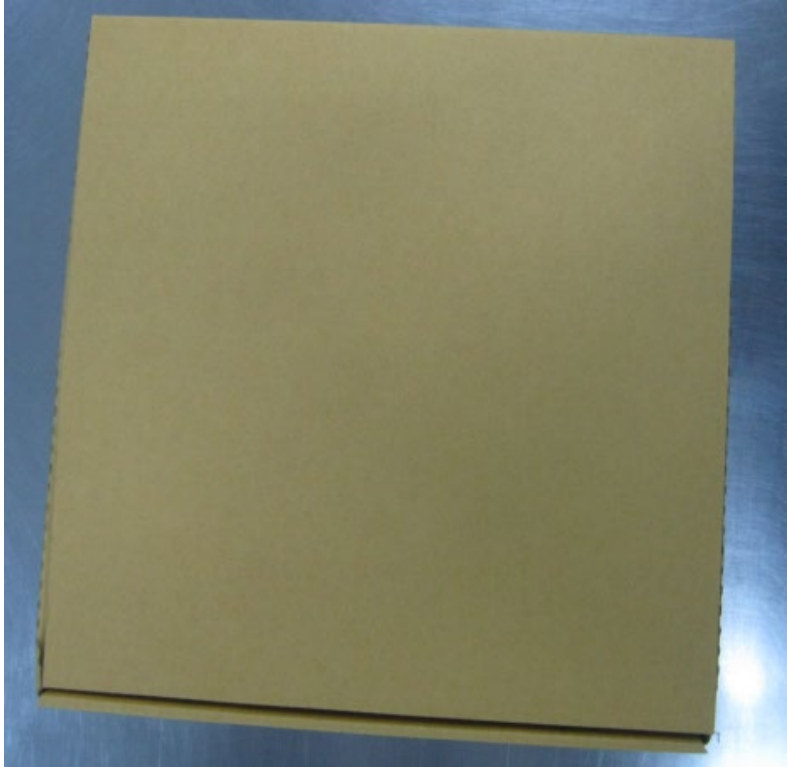
Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
GTBF	330	100	16	Blue
HANA	330 ± 2.00	100+/-2	16	Blue

Pre and Post Change Summary – Bag



Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
GTBF	Aluminum foil bag	455 ± 5	450 ± 5	0.15 ± 0.01
HANA	Aluminum foil bag	470 ± 6.3	381 ± 6.3	0.17 ± 10%


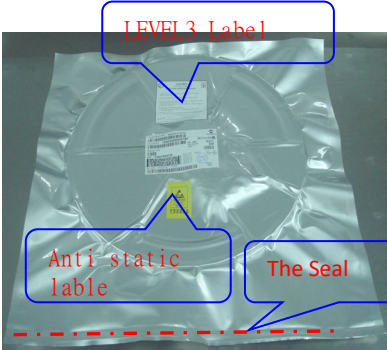





Pre and Post Change Summary – Inner Box

GTBF	HANA
<p data-bbox="647 729 728 772">N/A</p>	 <ul data-bbox="1526 1036 1913 1133" style="list-style-type: none">• PIZZA BOX IR13" 340X358X34MM

Pre and Post Change Summary – Protective band

GTBF	HANA
N/A	 <ul style="list-style-type: none">• PROTECTIVE BAND W14

Pre and Post Change Summary – Tape and Reel Packing Method

GTBF		HANA	
	 <p>LEVEL 3 Label</p> <p>Anti-static lable</p> <p>The Seal</p>	 <p>13" Reel</p>	 <p>HIC</p> <p>Desiccant</p>
 <p>Aluminum foil bag (vacuum pumping) 356*340*50 Inner box</p> <p>此处用透明胶带封口</p>		 <p>Packed 1 reel/inner box.</p>	 <p>Packed the reel, HIC, Desiccant and protective tape into MBB. (The MBB was vacuum and seal)</p>