Product Change Notification: CENO-16GDJA871

Date:

08-Oct-2026

Product Category:

Brushless DC Fan Controllers & Fan Fault Detectors, Closed Fan Controllers

Notification Subject:

CCB 8320 Final Notice: Qualification of MTAI as a new final test site and scan and pack site for EMC2301-1-ACZL-TR, EMC2101-ACZL-TR, EMC2101-R-ACZL-TR, EMC2106-DZK-TR, EMC2305-1-AP-TR, EMC2105-BP-TR, EMC2303-1-KP-TR, EMC2302-2-AIZL-TR, EMC2302-1-AIZL-TR, EMC2112-BP-TR and EMC2113-1-AP-TR catalog part numbers (CPN) available in various packages.

Affected CPNs:

CENO-16GDJA871_Affected_CPN_10082026.pdf
CENO-16GDJA871_Affected_CPN_10082026.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 MTAI as a new final test site and scan and pack site for EMC2301-1-ACZL-TR, EMC2101-ACZL-TR, EMC2101-R-ACZL-TR, EMC2106-DZK-TR, EMC2305-1-AP-TR, EMC2105-BP-TR, EMC2303-1-KP-TR, EMC2302-2-AIZL-TR, EMC2302-1-AIZL-TR, EMC2112-BP-TR and EMC2113-1-AP-TR catalog part numbers (CPN) available in various packages.

Pre and Post Summary Changes:

	Pre Change	**Post Change**	**Change (Yes/No)**

Final Test Site		Sigurd – Taiwan (ASSEMBLY & TEST) (SIGT)	Microchip Technology Thailand (HQ) (MTAI)	Yes
Scan and Pack Site				
Packing Material/Method	**8L MSOP (3x3mm)**	See Pre and Post Change Summary attachment for comparison		Yes
	10L MSOP (3x3mm)			
	28L VQFN (5x5x0.9mm)	No changes		No

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability and on-time delivery performance by qualifying MTAI as a new final test site and scan and pack site.

Change Implementation Status: In Progress

Estimated First Ship Date: 30 October 2026 (date code: 2644)

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

Timetable Summary:

	June 2026					>	**October 2026**				
Work Week	23	24	25	26	27		40	41	42	43	44
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:

June 29, 2026: Issued initial notification.
October 08, 2026: Issued final notification. Attached the qualification report. Provided estimated first ship date to be on October 30, 2026.

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-16GDJA871_Pre and Post Change Summary.pdf
PCN_ CENO-16GDJA871_Qual Report.pdf

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our **PCN home page** select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the **PCN FAQ** section.

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.

CENO-16GDJA871 - CCB 8320 Final Notice: Qualification of MTAI as a new final test site and scan and pack site for EMC2301-1-ACZL-TR, EMC2101-ACZL-TR, EMC2101-R-ACZL-TR, EMC2106-DZK-TR, EMC2305-1-AP-TR, EMC2105-BP-TR, EMC2303-1-KP-TR, EMC2302-2-AIZL-TR, EMC2302-1-AIZL-TR, EMC2112-BP-TR and EMC2113-1-AP-TR catalog part numbers (CPN) available in various packages.

Affected Catalog Part Numbers (CPN):

EMC2303-1-KP-TR

EMC2302-2-AIZL-TR

EMC2302-1-AIZL-TR

EMC2112-BP-TR

EMC2113-1-AP-TR

EMC2301-1-ACZL-TR

EMC2101-ACZL-TR

EMC2101-R-ACZL-TR

EMC2106-DZK-TR

EMC2305-1-AP-TR

EMC2105-BP-TR

QUALIFICATION REPORT SUMMARY

PCN #: CENO-16GDJA871

Date:
June 25, 2026

Qualification of MTAI as a new final test site and scan and pack site for EMC2301-1-ACZL-TR, EMC2101-ACZL-TR, EMC2101-R-ACZL-TR, EMC2106-DZK-TR, EMC2305-1-AP-TR, EMC2105-BP-TR, EMC2303-1-KP-TR, EMC2302-2-AIZL-TR, EMC2302-1-AIZL-TR, EMC2112-BP-TR and EMC2113-1-AP-TR catalog part numbers (CPN) available in various packages.

Purpose: Qualification of MTAI as a new final test site and scan and pack site for EMC2301-1-ACZL-TR, EMC2101-ACZL-TR, EMC2101-R-ACZL-TR, EMC2106-DZK-TR, EMC2305-1-AP-TR, EMC2105-BP-TR, EMC2303-1-KP-TR, EMC2302-2-AIZL-TR, EMC2302-1-AIZL-TR, EMC2112-BP-TR and EMC2113-1-AP-TR catalog part numbers (CPN) available in various packages.

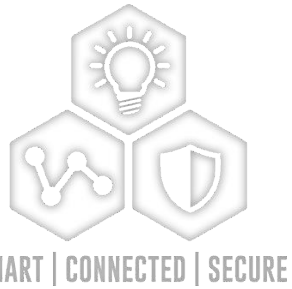
CCB No.: 8320

Test / Evaluation	Test Condition / Parameters	Sample Size	Qty of Lots	Fail/Accept Criteria	Result
Bin and Yield Comparison	Test the same units at existing and destination locations and compare the Bin and Yield data.	3000	1	≤0.1%	Passed
Parametric Correlation	Characterize the same units at existing and destination locations and comapre data	33	1	≤10.0%	Passed
Trim Verification/Cross-Correlation	Yield at each step and reject analysis between systems. 33 units are tested as lot correlation.	33	1	≤0.1%	Passed

CCB 8320
Pre and Post Change Summary
PCN #: CENO-16GDJA871

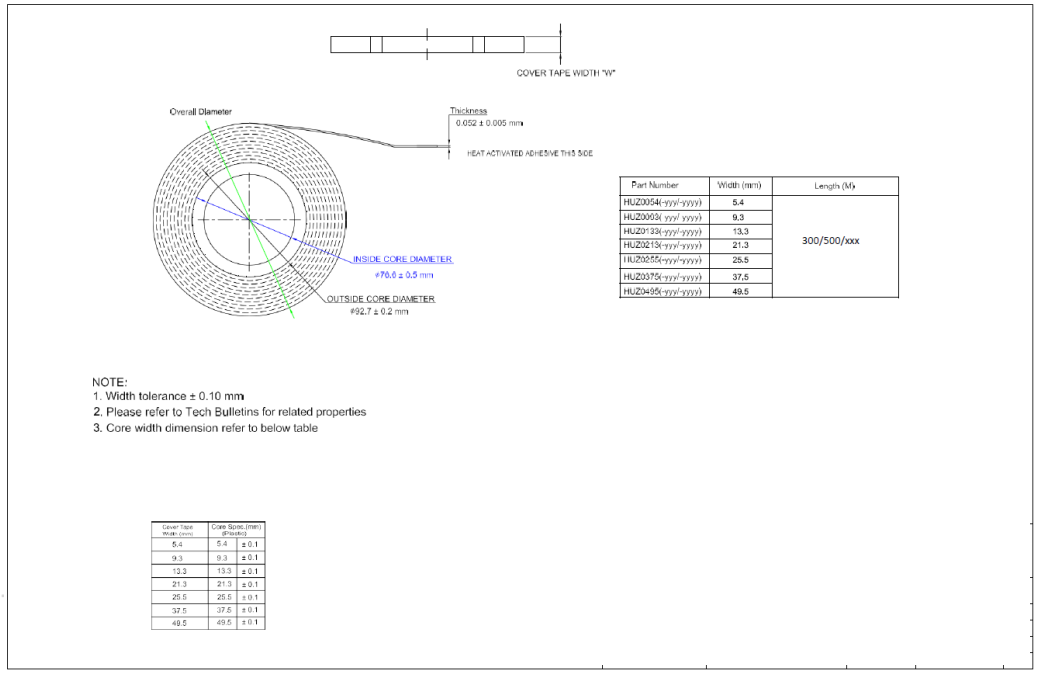


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COVER TAPE – *10L MSOP 3x3mm*

SIGT

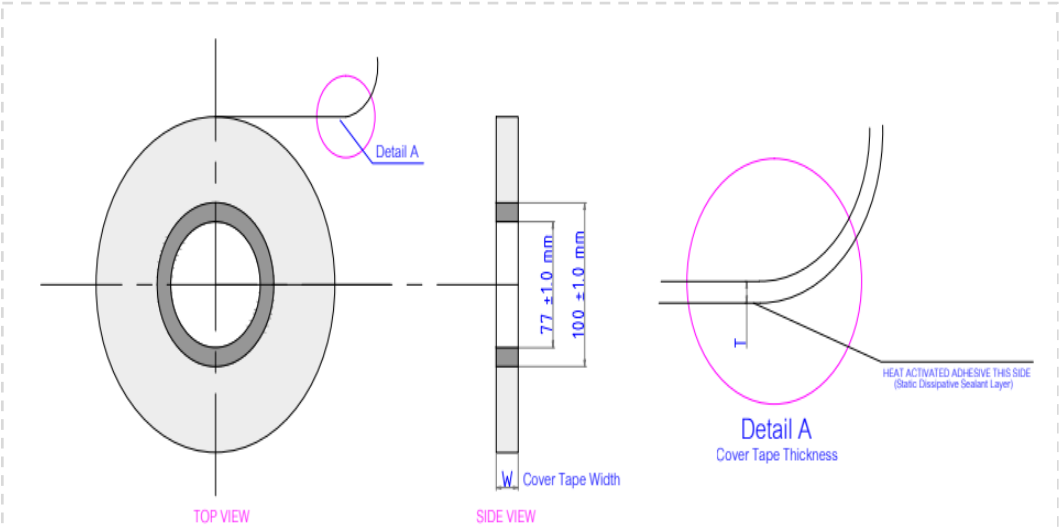


Part Number	Width (mm)	Length (M)
HUZ0054(-yyy/-yyyy)	5.4	300/500/xxx
HUZ0093(yyy/ yyyy)	9.3	
HUZ0133(-yyy/-yyyy)	13.3	
HUZ0213(-yyy/-yyyy)	21.3	
HUZ0255(-yyy/-yyyy)	25.5	
HUZ0375(-yyy/-yyyy)	37.5	
HUZ0495(-yyy/-yyyy)	49.5	

NOTE:
1. Width tolerance ± 0.10 mm
2. Please refer to Tech Bulletins for related properties
3. Core width dimension refer to below table

Cover Tape Width (mm)	Core Spac (mm) (Plastic)	
5.4	5.4	± 0.1
9.3	9.3	± 0.1
13.3	13.3	± 0.1
21.3	21.3	± 0.1
25.5	25.5	± 0.1
37.5	37.5	± 0.1
49.5	49.5	± 0.1

MTAI

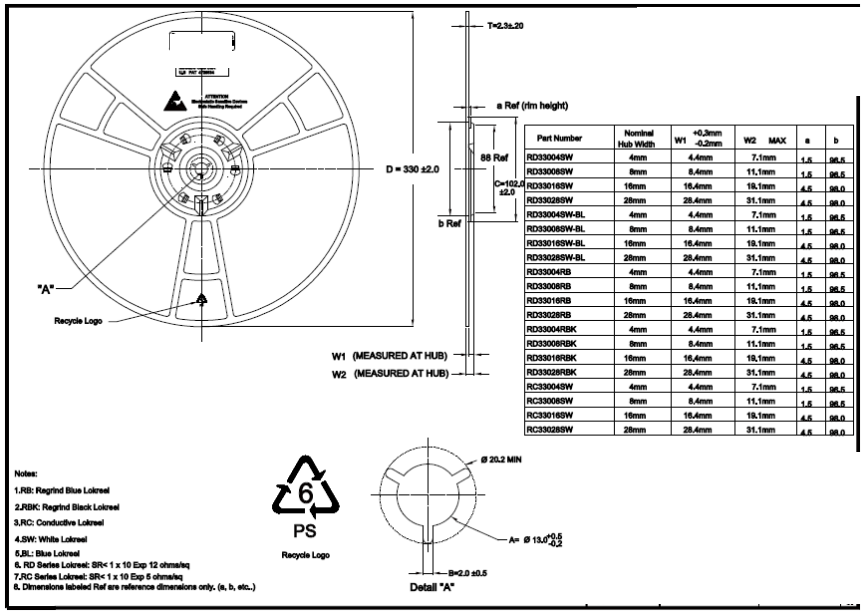


Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
SIGT	9.30 ± 0.10	0.052 ±0.005	Clear	Heat sealing
MTAI	9.05+0.05/-0.15	0.050 ±0.010	Clear	Heat sealing

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PLASTIC REEL – *10L MSOP 3x3mm*

SIGT

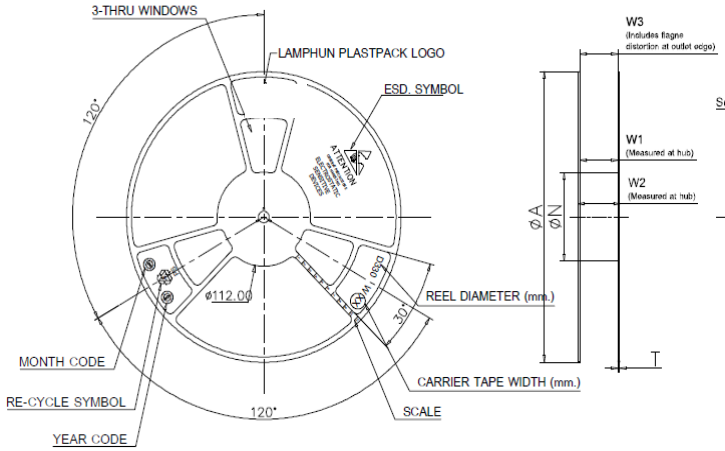


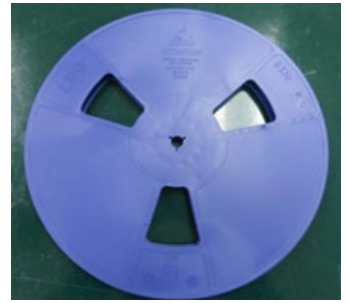
Part Number	Nominal Hub Width	W1 +0.3mm -0.2mm	W2 MAX	a	b
RD330049W	4mm	4.4mm	7.1mm	1.5	98.5
RD330089W	8mm	8.4mm	11.1mm	1.5	98.5
RD330169W	16mm	16.4mm	19.1mm	4.5	98.0
RD330289W	28mm	28.4mm	31.1mm	4.5	98.0
RD330049W-BL	4mm	4.4mm	7.1mm	1.5	98.5
RD330089W-BL	8mm	8.4mm	11.1mm	1.5	98.5
RD330169W-BL	16mm	16.4mm	19.1mm	4.5	98.0
RD330289W-BL	28mm	28.4mm	31.1mm	4.5	98.0
RD33004RB	4mm	4.4mm	7.1mm	1.5	98.5
RD33008RB	8mm	8.4mm	11.1mm	1.5	98.5
RD33016RB	16mm	16.4mm	19.1mm	4.5	98.0
RD33028RB	28mm	28.4mm	31.1mm	4.5	98.0
RD33004RBK	4mm	4.4mm	7.1mm	1.5	98.5
RD33008RBK	8mm	8.4mm	11.1mm	1.5	98.5
RD33016RBK	16mm	16.4mm	19.1mm	4.5	98.0
RD33028RBK	28mm	28.4mm	31.1mm	4.5	98.0
RC330049W	4mm	4.4mm	7.1mm	1.5	98.5
RC330089W	8mm	8.4mm	11.1mm	1.5	98.5
RC330169W	16mm	16.4mm	19.1mm	4.5	98.0
RC330289W	28mm	28.4mm	31.1mm	4.5	98.0

Notes:
1.RB: Regrind Blue Lokreel
2.RBK: Regrind Black Lokreel
3.RC: Conductive Lokreel
4.SW: White Lokreel
5.BL: Blue Lokreel
6. RD Series Lokreel: SR< 1 x 10 Exp 12 ohms/sq
7.RC Series Lokreel: SR< 1 x 10 Exp 5 ohms/sq
8. Dimensions labeled Ref are reference dimensions only. (a, b, etc..)



MTAI



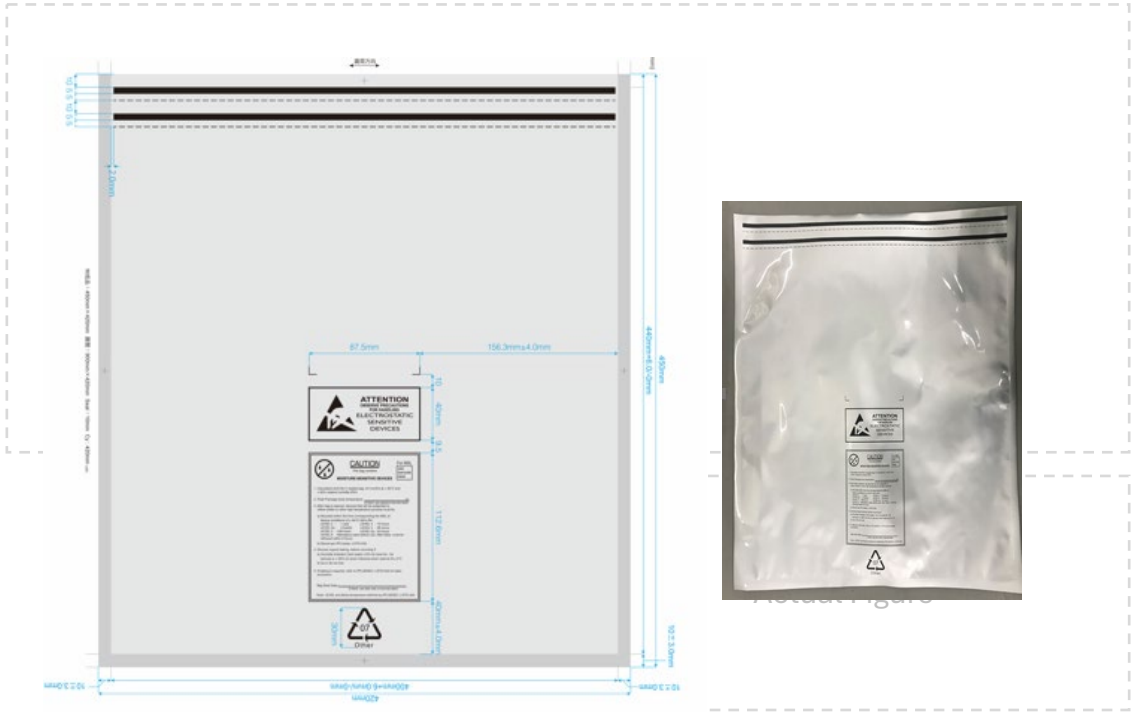


Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
SIGT	330 ±2.0	102 ±2.0	18.20	White
MTAI	330 ±2.0	100 ±2.0	18.40	Dark Blue

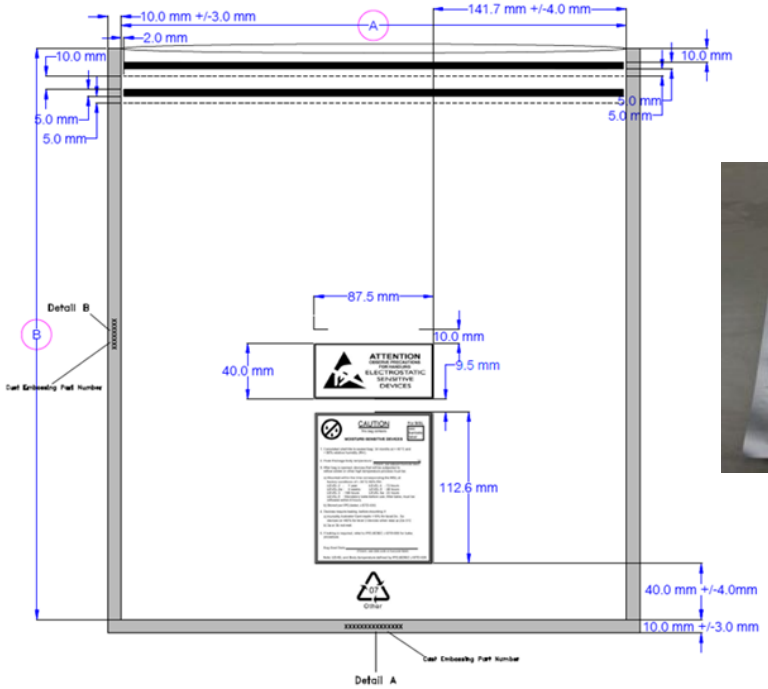
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BAG – *10L MSOP 3x3mm*

SIGT



MTAI

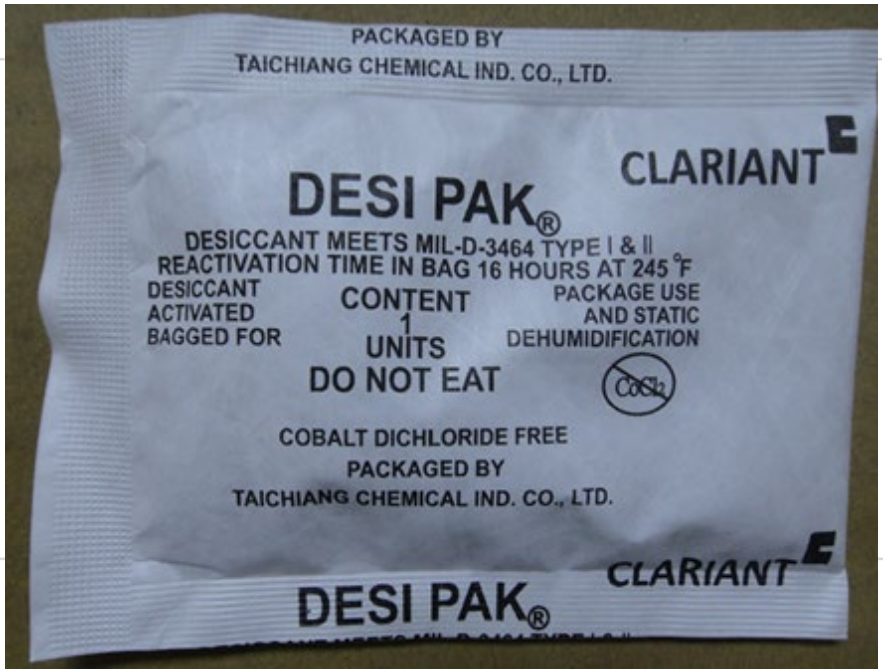
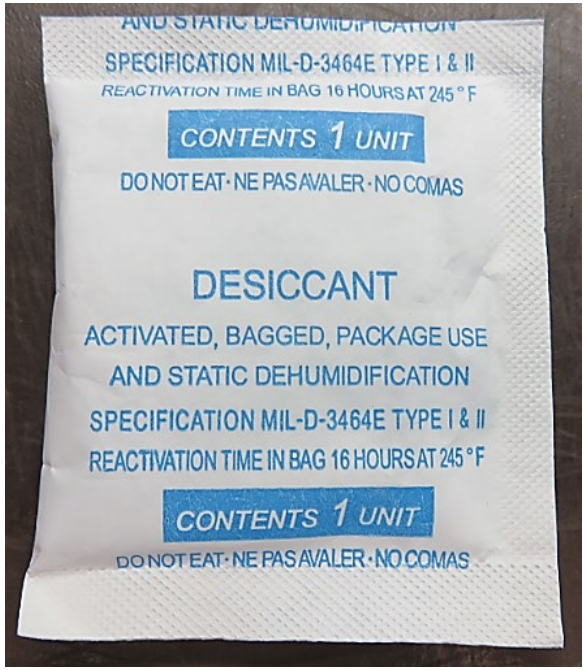




Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
SIGT	Moisture Barrier Bag	450 +3/-3	420 +3/-3	0.180 ±0.01
MTAI	Moisture Barrier Bag	420 +6/-0	370 +6/-0	0.1016

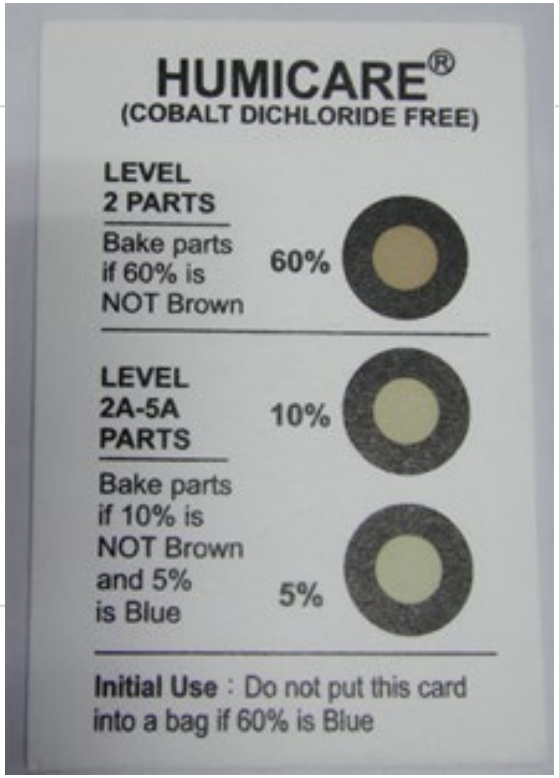
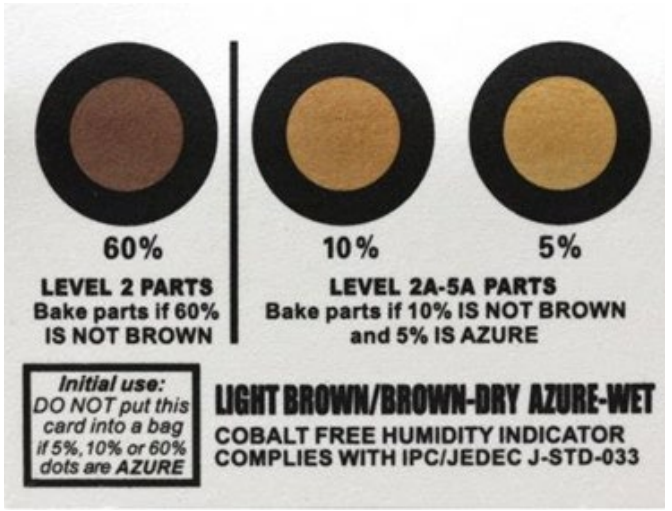
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DESICCANT – *10L MSOP 3x3mm*

SIGT	MTAI
	
Desiccant each unit is 33 g	Desiccant each unit is 33g

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Humidity Indicator Card (HIC) – *10L MSOP 3x3mm*

SIGT	MTAI
	
▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free	▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free

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T/R Packing Method for Dry Pack (MSL-2) – *10L MSOP 3x3mm*

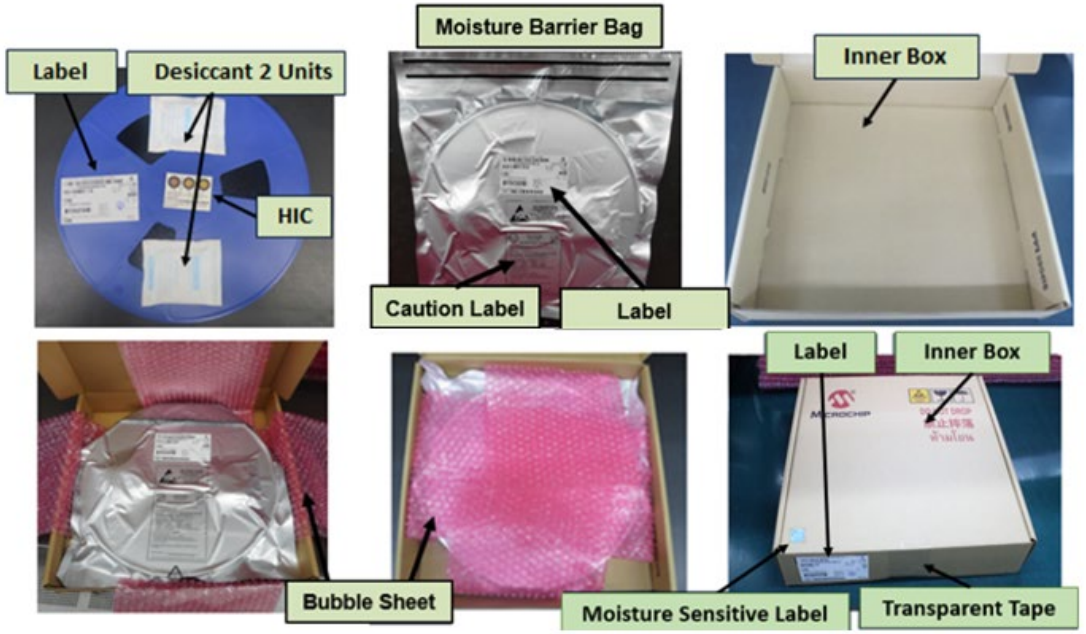
SIGT







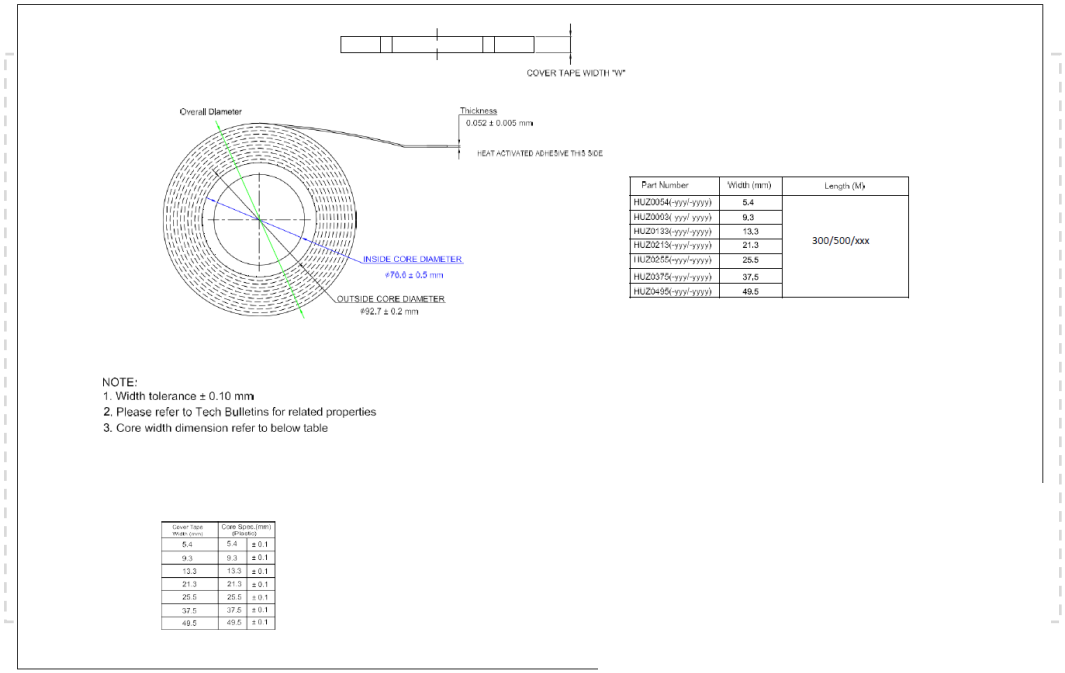

MTAI



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COVER TAPE – *8L MSOP 3x3mm*

SIGT

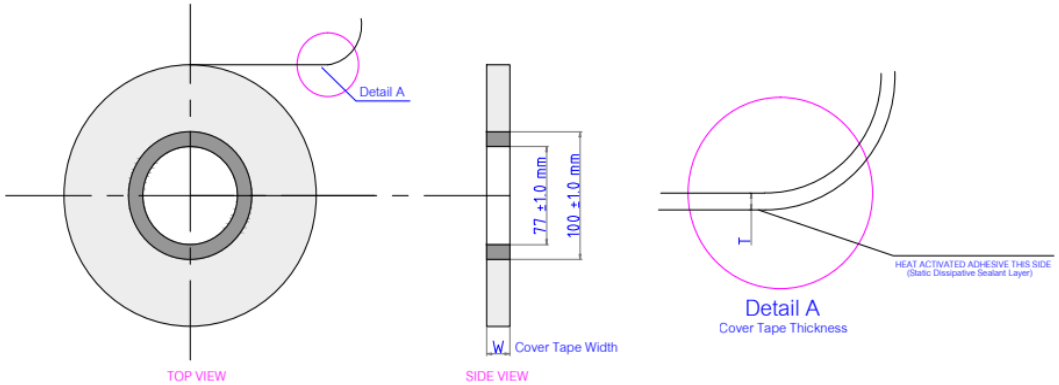


Part Number	Width (mm)	Length (M)
HUZ0054(-yyy/-yyyy)	5.4	300/500/xxx
HUZ0093(yyy/ yyyy)	9.3	
HUZ0133(-yyy/-yyyy)	13.3	
HUZ0213(-yyy/-yyyy)	21.3	
HUZ0255(-yyy/-yyyy)	25.5	
HUZ0375(-yyy/-yyyy)	37.5	
HUZ0495(-yyy/-yyyy)	49.5	

NOTE:
1. Width tolerance ± 0.10 mm
2. Please refer to Tech Bulletins for related properties
3. Core width dimension refer to below table

Cover Tape Width (mm)	Core Spec (mm) (Plastic)	
5.4	5.4	± 0.1
9.3	9.3	± 0.1
13.3	13.3	± 0.1
21.3	21.3	± 0.1
25.5	25.5	± 0.1
37.5	37.5	± 0.1
49.5	49.5	± 0.1

MTAI

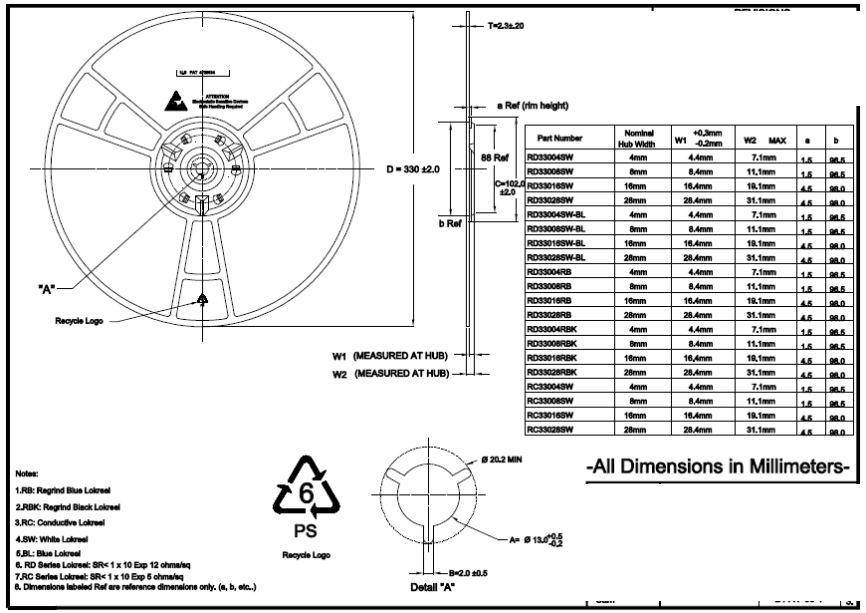


Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
SIGT	9.30 ± 0.10	0.052 ±0.005	Clear	Heat sealing
MTAI	9.05 +0.05/-0.15	0.050 ±0.010	Clear	Heat sealing

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PLASTIC REEL – *8L MSOP 3x3mm*

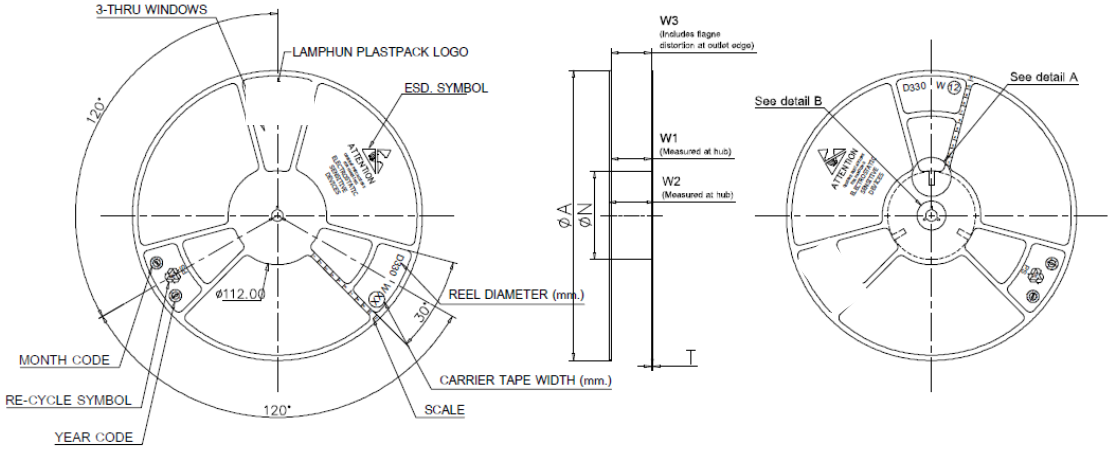
SIGT

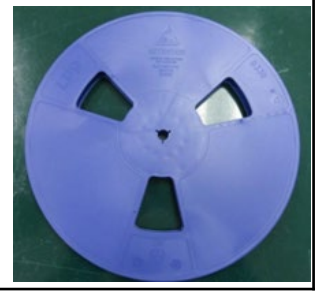


Part Number	Nominal Hub Width	W1 +0.3mm -0.2mm	W2 MAX	a	b
RD33004SW	4mm	4.4mm	7.1mm	1.5	98.5
RD33008SW	8mm	8.4mm	11.1mm	1.5	98.5
RD33016SW	16mm	16.4mm	19.1mm	4.5	98.0
RD33028SW	28mm	28.4mm	31.1mm	4.5	98.0
RD33004SW-BL	4mm	4.4mm	7.1mm	1.5	98.5
RD33008SW-BL	8mm	8.4mm	11.1mm	1.5	98.5
RD33016SW-BL	16mm	16.4mm	19.1mm	4.5	98.0
RD33028SW-BL	28mm	28.4mm	31.1mm	4.5	98.0
RD33004RB	4mm	4.4mm	7.1mm	1.5	98.5
RD33008RB	8mm	8.4mm	11.1mm	1.5	98.5
RD33016RB	16mm	16.4mm	19.1mm	4.5	98.0
RD33028RB	28mm	28.4mm	31.1mm	4.5	98.0
RD33004RBK	4mm	4.4mm	7.1mm	1.5	98.5
RD33008RBK	8mm	8.4mm	11.1mm	1.5	98.5
RD33016RBK	16mm	16.4mm	19.1mm	4.5	98.0
RD33028RBK	28mm	28.4mm	31.1mm	4.5	98.0
RC33004SW	4mm	4.4mm	7.1mm	1.5	98.5
RC33008SW	8mm	8.4mm	11.1mm	1.5	98.5
RC33016SW	16mm	16.4mm	19.1mm	4.5	98.0
RC33028SW	28mm	28.4mm	31.1mm	4.5	98.0



MTAI



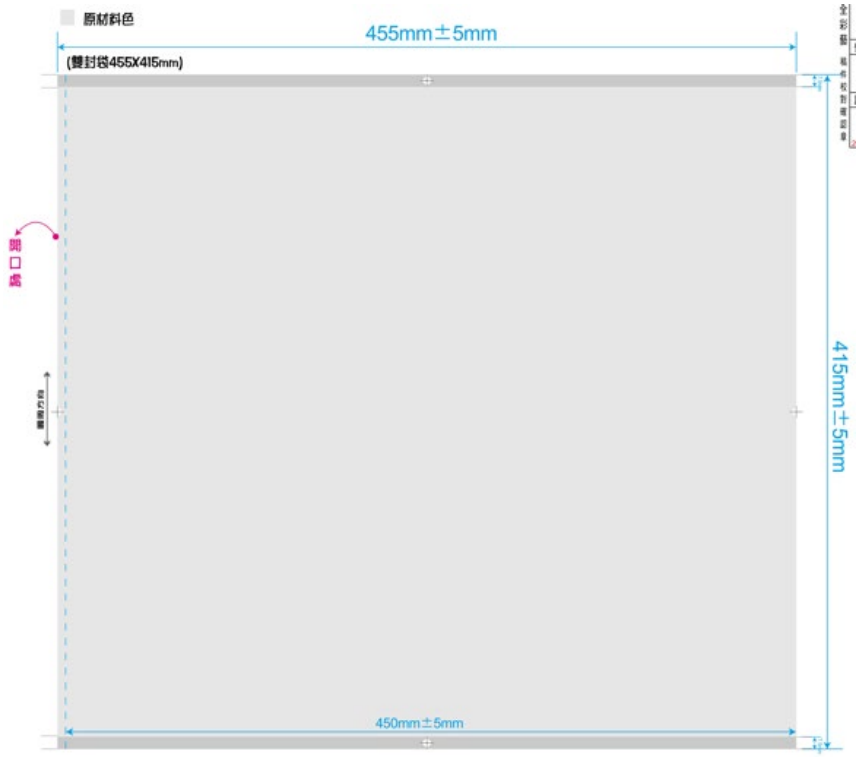


Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
SIGT	330 ±2.0	102 ±2.0	18.20	White
MTAI	330 ±2.0	100 ±2.0	18.40	Dark Blue

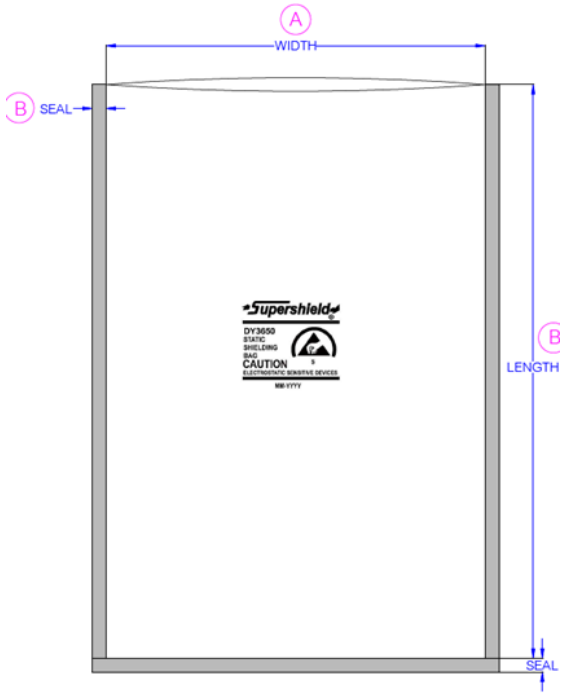
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BAG – *8L MSOP 3x3mm*

SIGT



MTAI



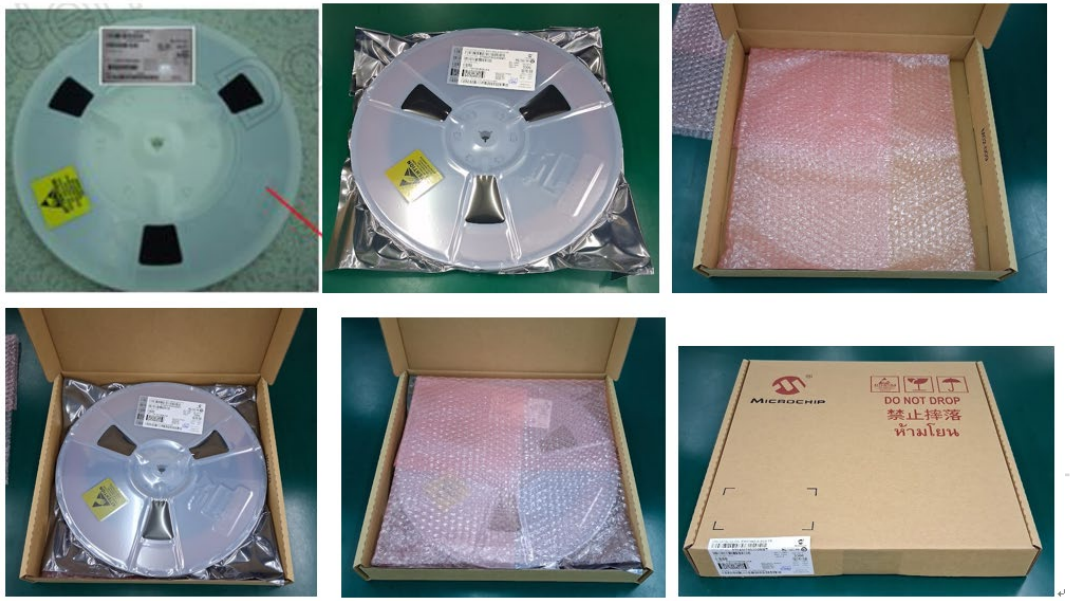


Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
SIGT	Static Shielding Bag	455 +5/-5	415 +5/-5	0.1 +0.01/-0.01
MTAI	Static Shielding Bag	420 +5/-0	370 +5/-0	0.0762

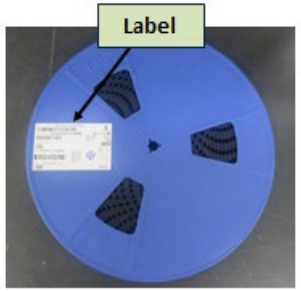
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T/R Packing Method for Dry Pack (MSL-1) – *8L MSOP 3x3mm*

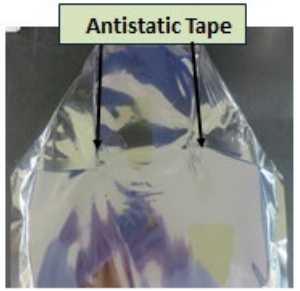
SIGT



MTAI







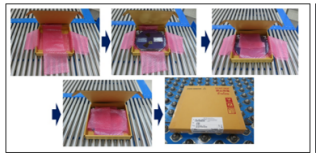
MSL-1 (No inner box)

Carton for product in T/R media (MSL-1)

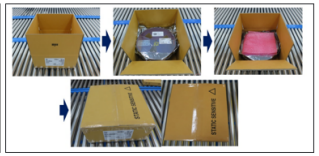
Carton	Dimension W x L x H (cm)	Max Number of reel per carton
M01-011 (TT)	36.5x38x39.5	15
M01-013 (B2)	35.5x35.5x4	2
M01-014 (B3)	35.5x35.5x6	3
M01-015 (B8)	35.5x35.5x16.5	8

Example:

Packing for tape and reel in carton box B2/ B3.(Sample)



Packing for tape and reel in carton box B8.(Sample)



Packing for tape and reel in carton box TT



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