



Product Change Notification: CENO-16GDJA871

Date:

29-Jun-2026

Product Category:

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

Notification Subject:

CCB 8320 Initial 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_06292026.pdf](#)

[CENO-16GDJA871_Affected_CPN_06292026.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 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
	16L VQFN (4x4x1.0mm)			
	20L QFN (4x4x0.9mm)			
	12L QFN (4x4x0.9mm)			

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 Qualification Completion Date: August 2026

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 2026	>	August 2026
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Work Week	23	24	25	26	27		32	33	34	35
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 29, 2026: 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_CENO-16GDJA871-Qual Plan.pdf

PCN_CENO-16GDJA871_Pre and Post Change Summary.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.

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



MICROCHIP

QUALIFICATION PLAN 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	Lot Qty	Acceptable Fail Criteria
Parametric Correlation	- Test 33 good devices at the original site using the test program covering datasheet DC parameters - Send these devices to the new site and retest them with the same test coverage - Results should be within $\pm 10\%$ of the original site's values per QCI-30642	33	1	< 10%
Bin-to-Bin and Yield Correlation	- Send 3,000 tested devices of the qualification vehicle from the original site to the new site. - Retest these units using the same test flow, and sort good and rejected devices into separate bins. - Compare bin and yield results from both sites, result must be within $\pm 0.1\%$.	3000	1	< 0.1%
Cross-Correlation	- 33 untested units will be sent to MTAI for trim validation. All units, including rejects, will then be returned to SIGT for QC testing. Acceptance will be based on bin and yield comparison.	33	1	< 0.1%

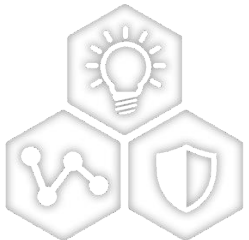
CCB 8320

Pre and Post Change Summary

PCN #: CENO-16GDJA871

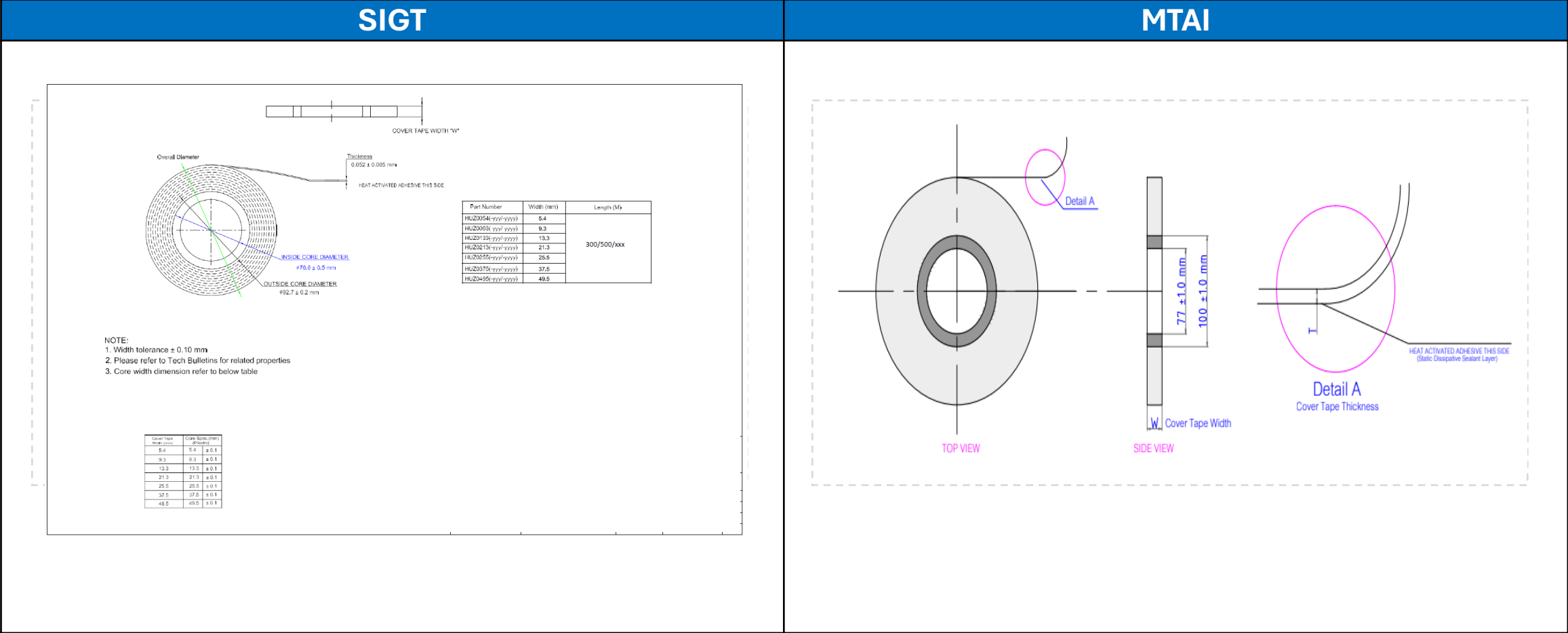


A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



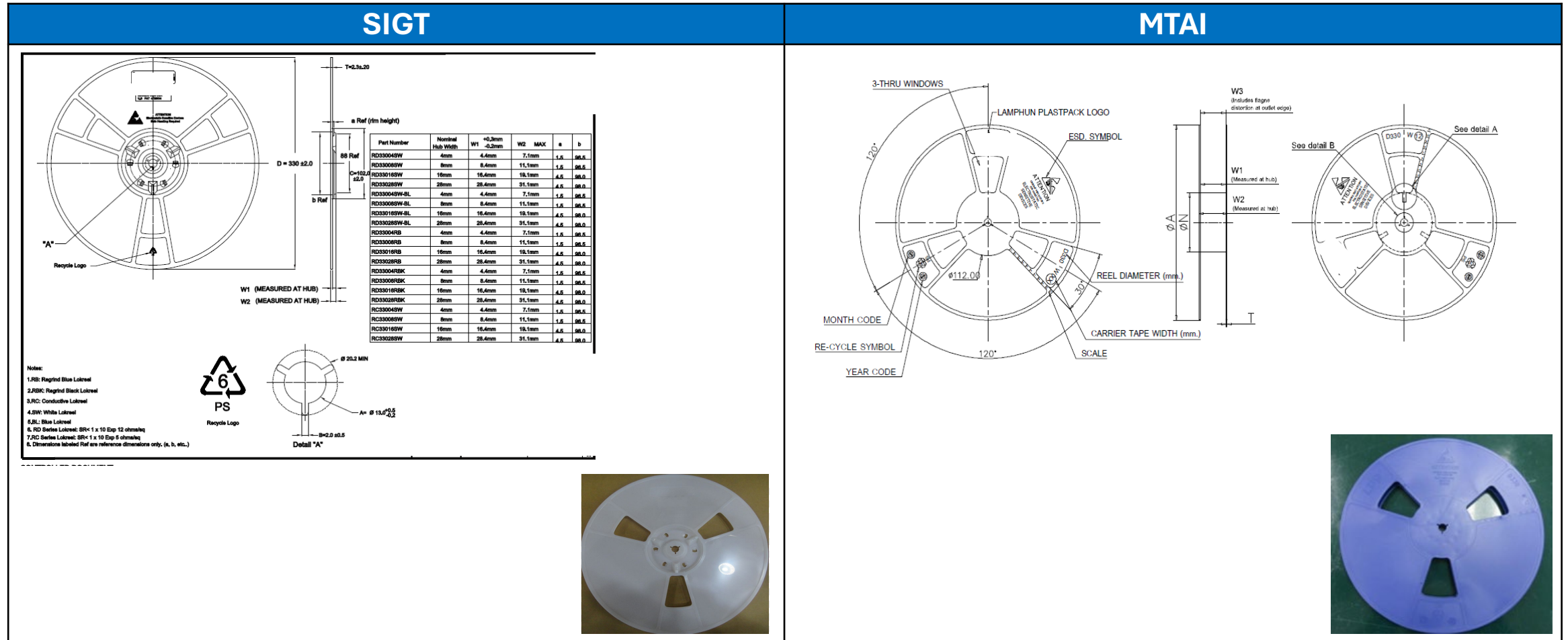
SMART | CONNECTED | SECURE

COVER TAPE – 10L MSOP 3x3mm



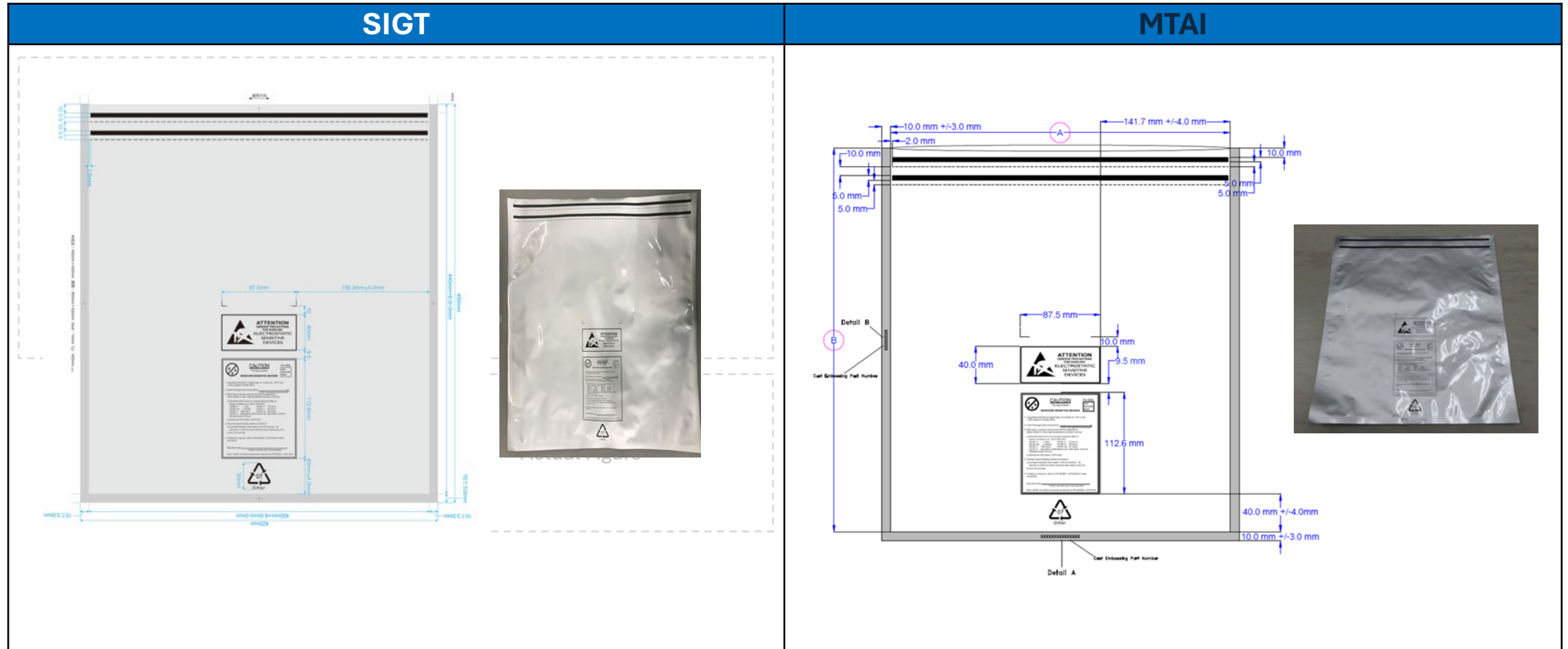
Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
SIGT	9.30 ± 0.10	0.052 ± 0.005	Clear	Heat sealing
MTAI	9.05+0.05/-0.15	0.050 ± 0.010	Clear	Heat sealing

PLASTIC REEL – 10L MSOP 3x3mm



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

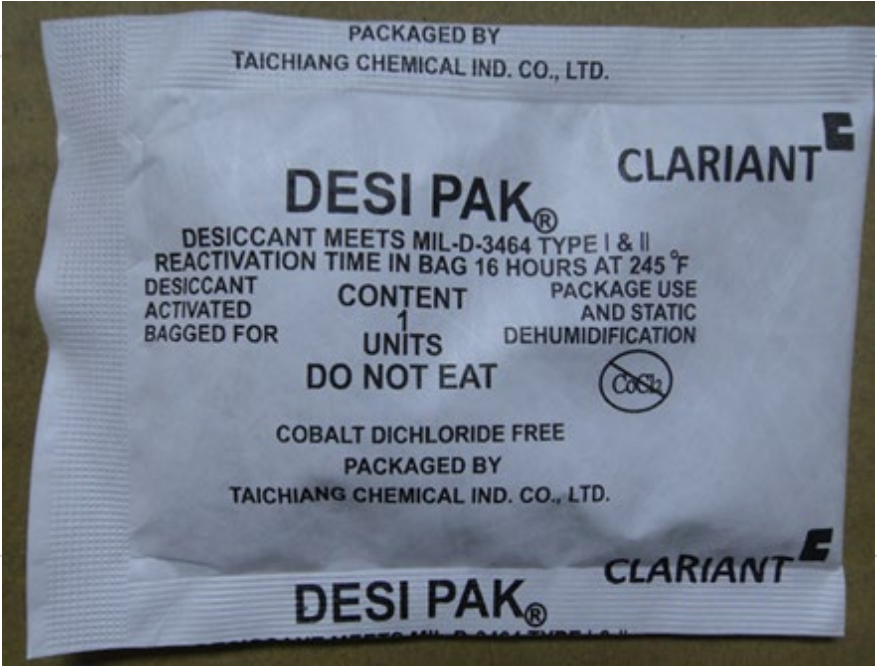
BAG – 10L MSOP 3x3mm



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

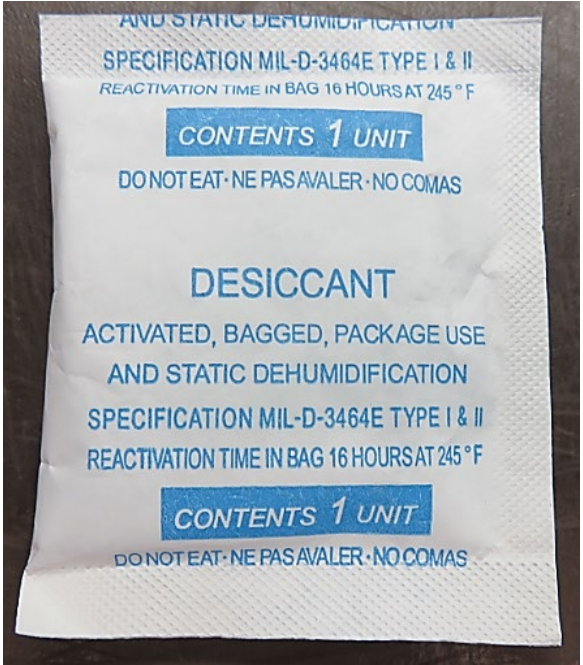
DESICCANT – 10L MSOP 3x3mm

SIGT



Desiccant each unit is 33 g

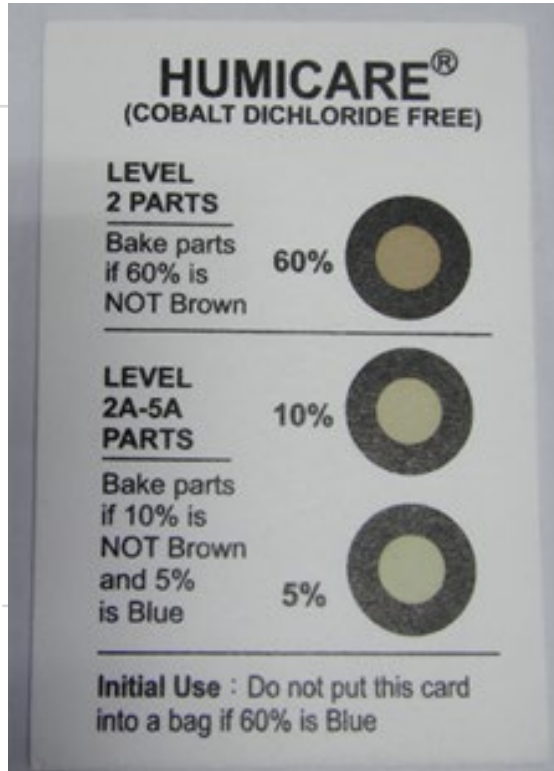
MTAI



Desiccant each unit is 33g

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

SIGT



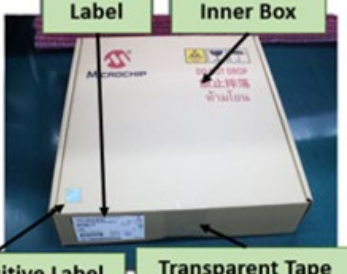
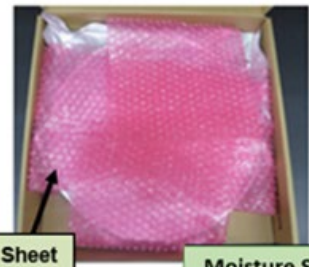
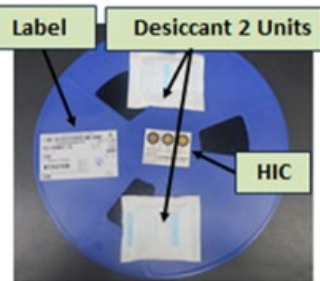
- 3 Dots (5%, 10%, 60%)
- Cobalt Free

MTAI

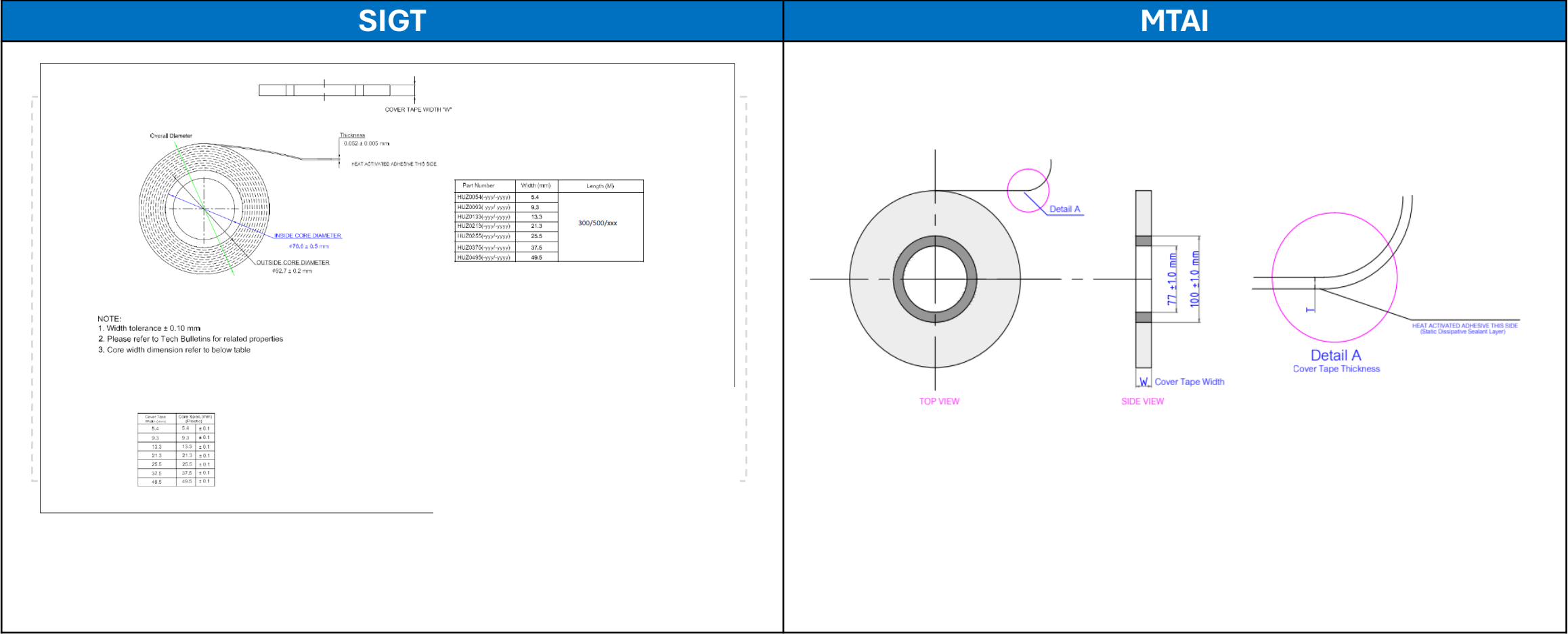


- 3 Dots (5%, 10%, 60%)
- Cobalt Free

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

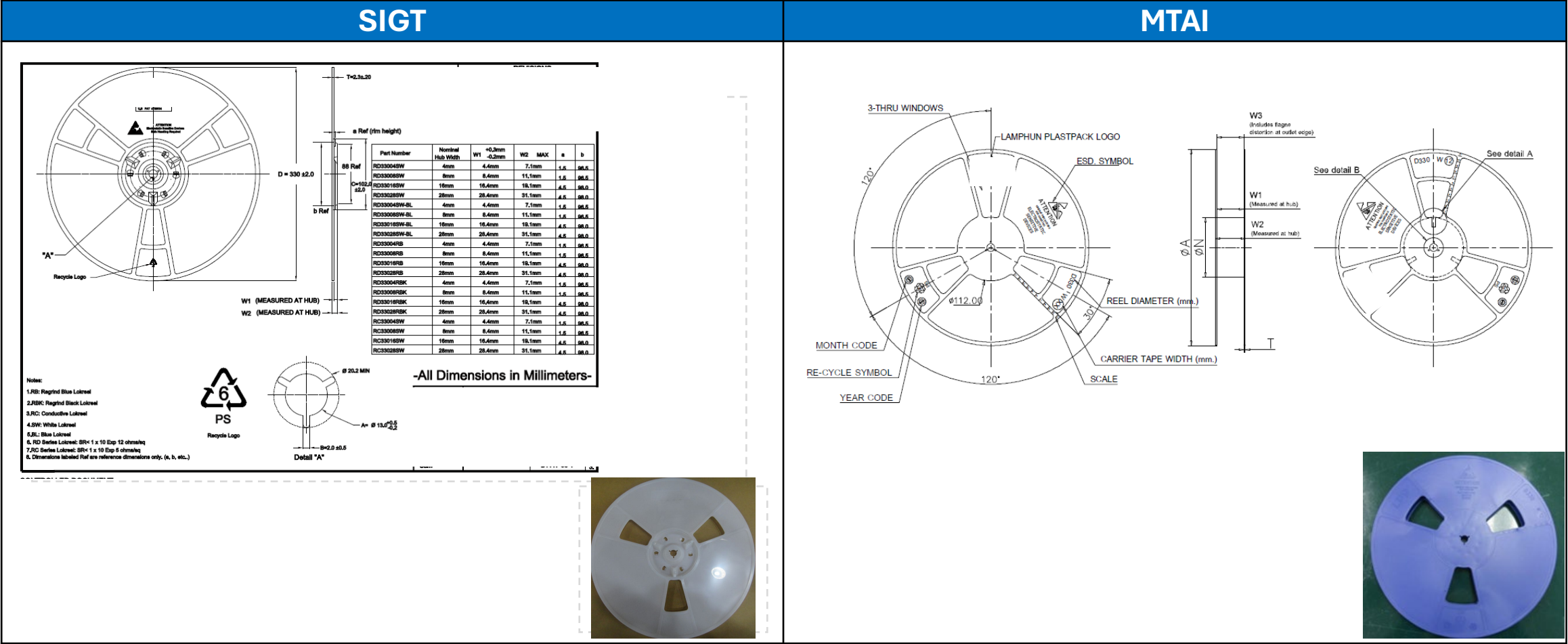
SIGT	MTAI
	

COVER TAPE – 8L MSOP 3x3mm



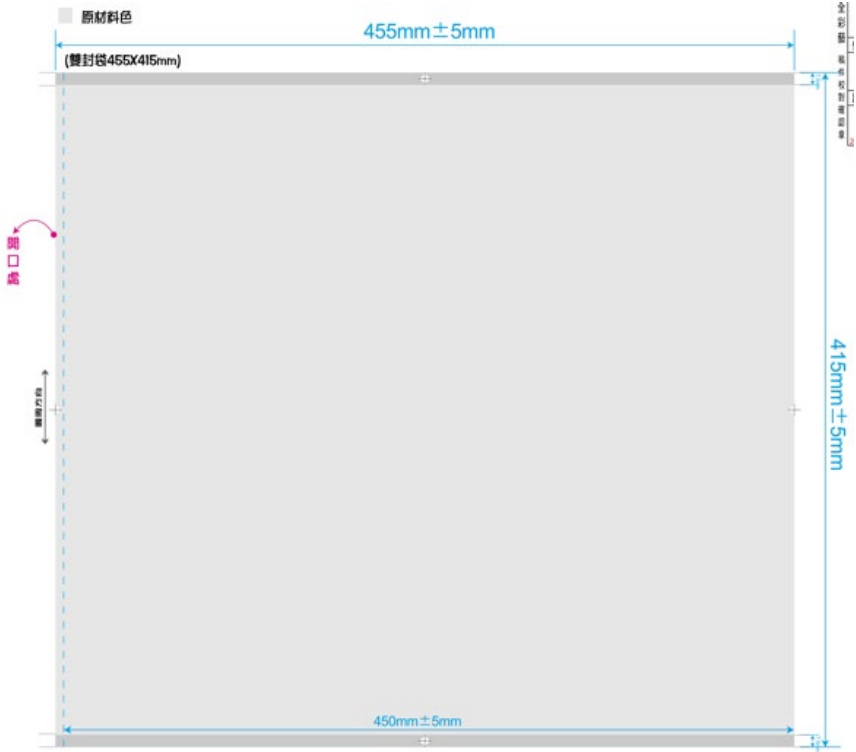
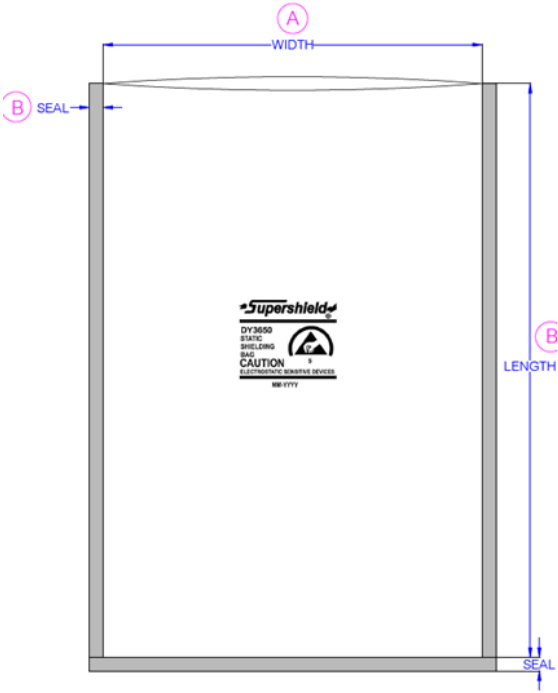
Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
SIGT	9.30 ± 0.10	0.052 ±0.005	Clear	Heat sealing
MTAI	9.05 +0.05/-0.15	0.050 ±0.010	Clear	Heat sealing

PLASTIC REEL – 8L MSOP 3x3mm



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

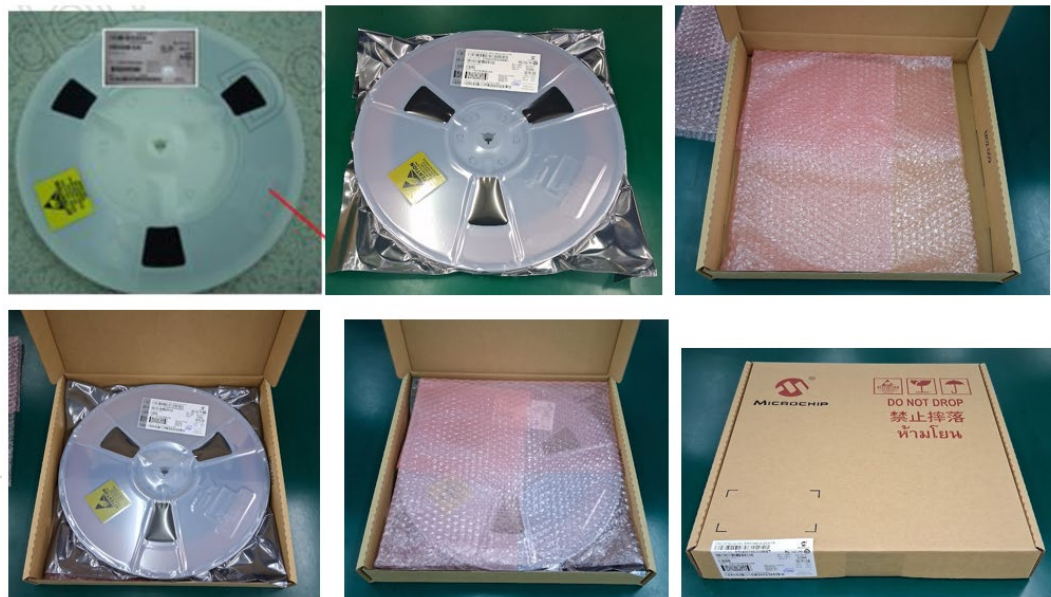
BAG – 8L MSOP 3x3mm

SIGT	MTAI
 Diagram of SIGT bag dimensions: - Width: $455\text{mm} \pm 5\text{mm}$ - Length: $415\text{mm} \pm 5\text{mm}$ - Top edge: 原材料色 (Raw material color) - Top edge: (雙封袋455X415mm) (Double sealed bag 455X415mm) - Left edge: 開口袋 (Open bag) Photograph of the SIGT bag: The photograph shows a silver, rectangular static shielding bag. It has a small label in the center with the 'Supershield' logo and text: 'DY3650 STATIC SHIELDING BAG CAUTION ELECTROSTATIC SENSITIVE DEVICES'. The bag is sealed on the top and bottom edges.	 Diagram of MTAI bag dimensions: - Width: A - Length: B - Top edge: SEAL - Bottom edge: SEAL Photograph of the MTAI bag: The photograph shows a silver, rectangular static shielding bag, similar to the SIGT bag but with different dimensions. It also has a 'Supershield' label with the same text: 'DY3650 STATIC SHIELDING BAG CAUTION ELECTROSTATIC SENSITIVE DEVICES'. The bag is sealed on the top and bottom edges.

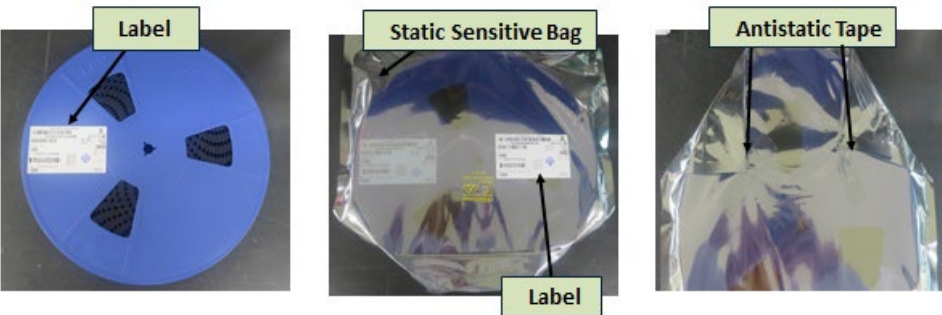
Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
SIGT	Static Shielding Bag	$455 + 5/-5$	$415 + 5/-5$	$0.1 + 0.01/-0.01$
MTAI	Static Shielding Bag	$420 + 5/-0$	$370 + 5/-0$	0.0762

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

SIGT



MTAI

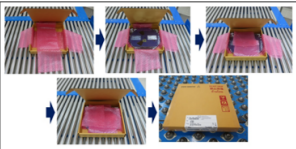


MSL-1 (No inner box)

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

