



Product Change Notification: CENO-180ROH337

Date:

23-Jul-2026

Product Category:

Capacitive Touch Sensors

Notification Subject:

CCB 8325 Initial Notice: Qualification of MTAI as a new final test site and scan and pack site for CAP1106-1-AIA-TR, CAP1133-1-AIA-TR, CAP1128-1-BP-TR, CAP1166-1-BP-TR, CAP1126-1-AP-TR and CAP1188-1-CP-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm), 20L QFN (4x4x0.9mm), 16L and 24L VQFN (4x4x1.0mm and 4x4x0.9mm) packages.

Affected CPNs:

[CENO-180ROH337_Affected_CPN_07232026.pdf](#)

[CENO-180ROH337_Affected_CPN_07232026.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 CAP1106-1-AIA-TR, CAP1133-1-AIA-TR, CAP1128-1-BP-TR, CAP1166-1-BP-TR, CAP1126-1-AP-TR and CAP1188-1-CP-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm), 20L QFN (4x4x0.9mm), 16L and 24L VQFN (4x4x1.0mm and 4x4x0.9mm) 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	See Pre and Post Change Summary attachment for comparison		Yes

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: October 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:

	July 2026					>	October 2026				
Work Week	27	28	29	30	31		40	41	42	43	44
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: July 23, 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-18OROH337 Pre and Post Change Summary_10L VDFN (3x3x0.9mm).pdf
PCN_CENO-18OROH337 Pre and Post Change Summary_16L VQFN (4x4x1.0mm).pdf
PCN_CENO-18OROH337 Pre and Post Change Summary_20L QFN (4x4x0.9mm).pdf
PCN_CENO-18OROH337 Pre and Post Change Summary_24L VQFN (4x4x0.9mm).pdf
PCN_CENO-18OROH337-Qual Plan.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.

CENO-18OROH337 - CCB 8325 Initial Notice: Qualification of MTAI as a new final test site and scan and pack site for CAP1106-1-AIA-TR, CAP1133-1-AIA-TR, CAP1128-1-BP-TR, CAP1166-1-BP-TR, CAP1126-1-AP-TR and CAP1188-1-CP-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm), 20L QFN (4x4x0.9mm), 16L and 24L VQFN (4x4x1.0mm and 4x4x0.9mm) packages.

Affected Catalog Part Numbers (CPN):

CAP1106-1-AIA-TR

CAP1133-1-AIA-TR

CAP1128-1-BP-TR

CAP1166-1-BP-TR

CAP1126-1-AP-TR

CAP1188-1-CP-TR

CCB 8325
PCN ID: CENO-18OROH337
Pre and Post Change Summary



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COVER TAPE - 10L VDFN (3x3x0.9mm)

SIGT

COVER TAPE WIDTH "W"

Overall Diameter

Thickness
0.052 ± 0.005 mm

HEAT ACTIVATED ADHESIVE THIS SIDE

INSIDE CORE DIAMETER
ø76.6 ± 0.5 mm

OUTSIDE CORE DIAMETER
ø92.7 ± 0.2 mm

Part Number	Width (mm)	Length (M)
HU20054(-yyy/-yyy)	5.4	300/500/xxx
HU20053(-yyy/-yyy)	9.3	
HU20133(-yyy/-yyy)	13.3	
HU20213(-yyy/-yyy)	21.3	
HU20255(-yyy/-yyy)	25.5	
HU20375(-yyy/-yyy)	37.5	
HU20495(-yyy/-yyy)	49.5	

NOTE:

- Width tolerance ± 0.10 mm
- Please refer to Tech Bulletins for related properties
- Core width dimension refer to below table

Cover Tape Width (mm)	Core Spacing (mm) (Pitch)
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

TOP VIEW

Detail A

77 ± 1.0 mm

100 ± 1.0 mm

W Cover Tape Width

SIDE VIEW

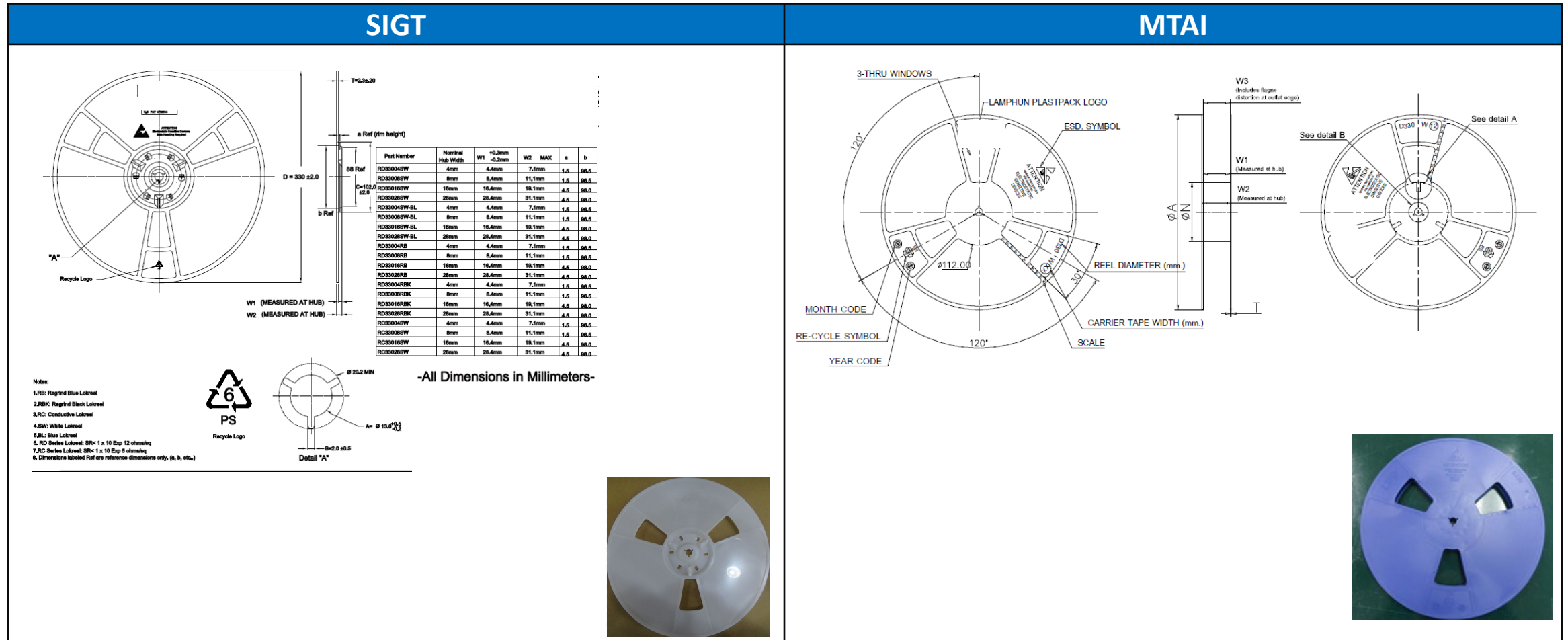
Detail A

Cover Tape Thickness

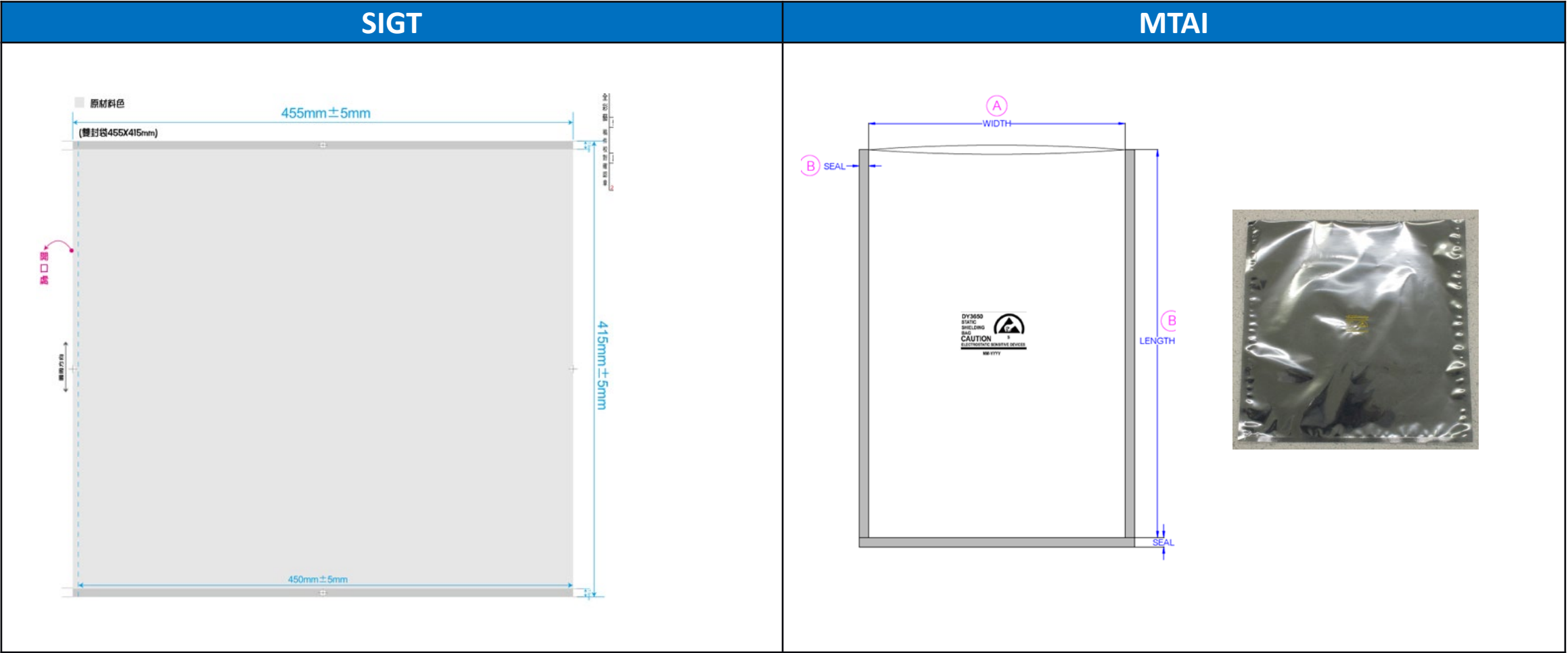
HEAT ACTIVATED ADHESIVE THIS SIDE
(Static Dissipative Sealant Layer)

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 VDFN (3x3x0.9mm)



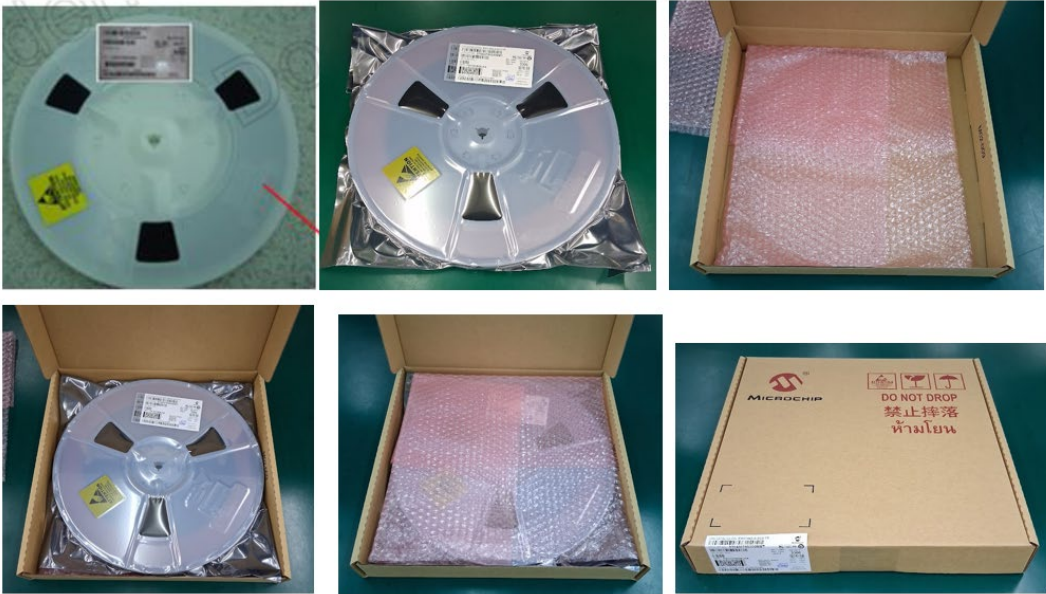
Bag - 10L VDFN (3x3x0.9mm)



Plant	Moisture Sensitivity Level	Bag type	Length (mm)	Width (mm)	Thickness (mm)
SIGT	MSL-1	Static Shielding Bag	455 +5/-5	415 +5/-5	0.1 +0.01/-0.01
MTAI	MSL-1	Static Shielding Bag	420 +5/-0	370 +5/-0	0.0762

T&R Packing Method - 10L VDFN (3x3x0.9mm)

SIGT



Inner box
Dimension
W x L x H (cm)
35.6x34x5

MTAI



MSL-1 (No inner box)

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

Carton	Dimension W x L x H (cm)	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



CCB 8325
PCN ID: CENO-18OROH337
Pre and Post Change Summary



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COVER TAPE - 16L VQFN (4x4x1.0mm)

SIGT

COVER TAPE WIDTH "W"

Overall Diameter

Thickness
 0.652 ± 0.005 mm

HEAT ACTIVATED ADHESIVE THIS SIDE

Part Number	Width (mm)	Length (M)
HUZ0054(YYY'ZZZ)	5.4	300/500/xxx
HUZ0056(YYY'ZZZ)	9.3	
HUZ0138(YYY'ZZZ)	13.3	
HUZ0213(YYY'ZZZ)	21.3	
HLZ0255(YYY'ZZZ)	25.5	
HUZ0375(YYY'ZZZ)	37.5	
HUZ0495(YYY'ZZZ)	49.5	

INSIDE CORE DIAMETER
 $\Phi 78.6 \pm 0.5$ mm

OUTSIDE CORE DIAMETER
 $\Phi 92.7 \pm 0.2$ mm

NOTE:

- Width tolerance ± 0.10 mm
- Please refer to Tech Bulletins for related properties
- Core width dimension refer to below table

Cover Tape Width (mm)	Core Splice (mm) (Min/Max)
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

TOP VIEW

Detail A

SIDE VIEW

W Cover Tape Width

T Detail A
Cover Tape Thickness

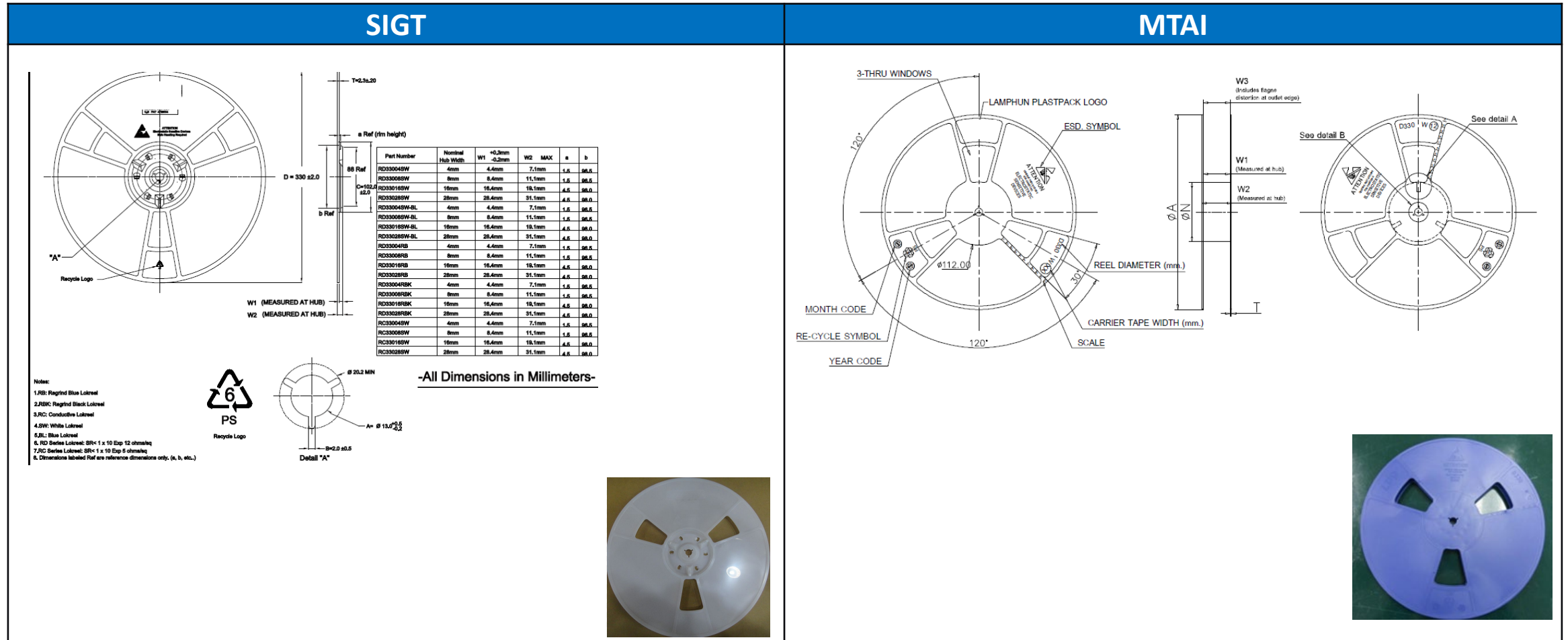
HEAT ACTIVATED ADHESIVE THIS SIDE
(Static Dissipative Sealant Layer)

77 ± 1.0 mm

100 ± 1.0 mm

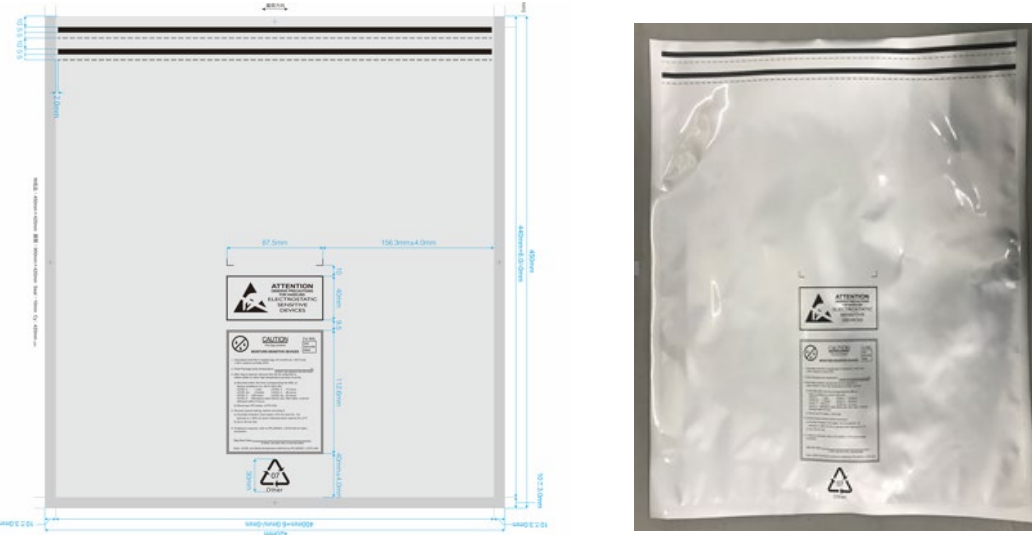
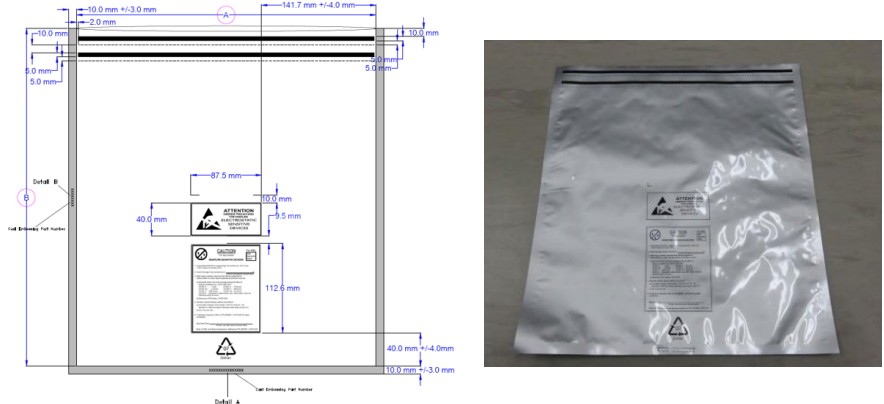
Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
SIGT	9.30 ± 0.10	0.052 ±0.005	Clear	Heat sealing
MTAI	9.05 +0.05/-0.15	0.050 ±0.010	Clear	Heat sealing

PLASTIC REEL - 16L VQFN (4x4x1.0mm)



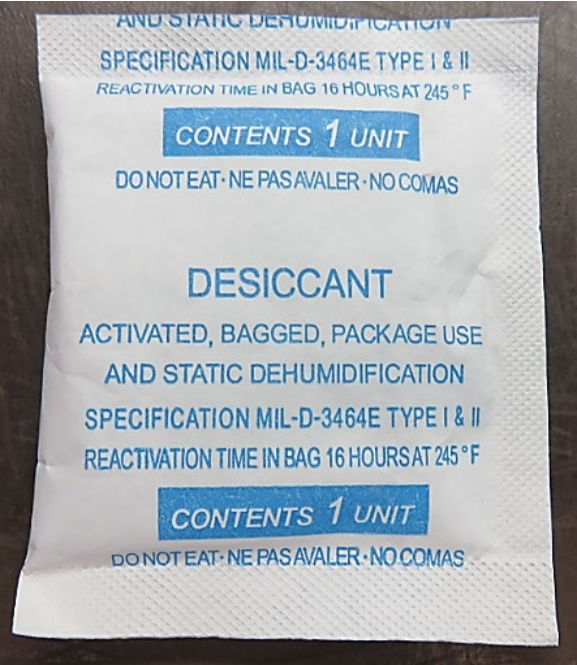
Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
SIGT	330 ±2.0	102 ±2.0	18.20	White
MTAI	330 ±2.0	100 ±2.0	18.40	Dark Blue

Bag - 16L VQFN (4x4x1.0mm)

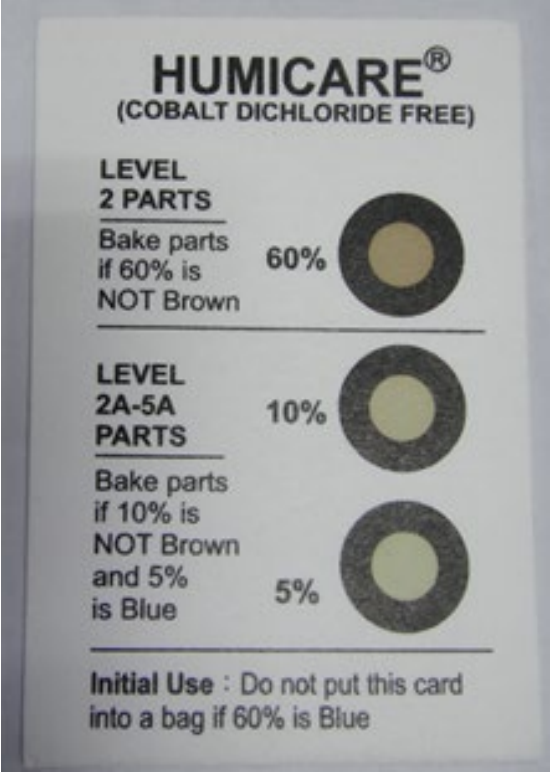
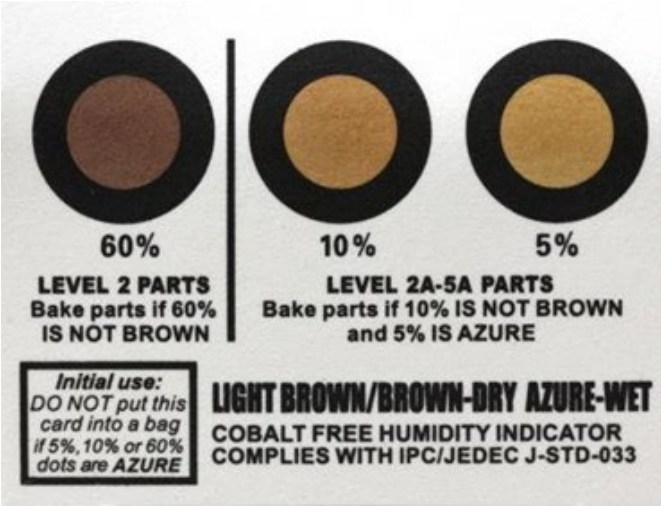
SIGT	MTAI
	

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

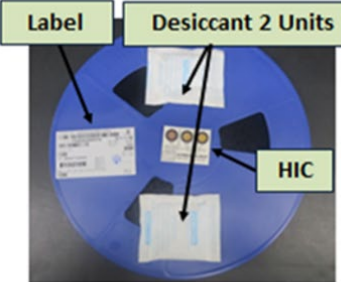
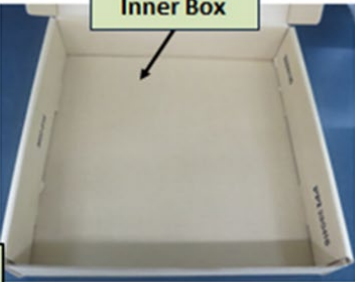
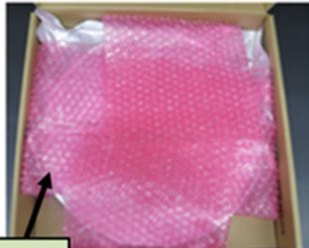
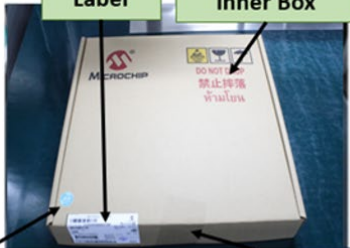
Desiccant - 16L VQFN (4x4x1.0mm)

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

Humidity Indicator Card (HIC) - 16L VQFN (4x4x1.0mm)

SIGT	MTAI
 HUMICARE[®] (COBALT DICHLORIDE FREE) LEVEL 2 PARTS Bake parts if 60% is NOT Brown 60% LEVEL 2A-5A PARTS Bake parts if 10% is NOT Brown and 5% is Blue 10% 5% Initial Use : Do not put this card into a bag if 60% is Blue	 60% 10% 5% LEVEL 2 PARTS Bake parts if 60% IS NOT BROWN LEVEL 2A-5A PARTS Bake parts if 10% IS NOT BROWN and 5% IS AZURE Initial use: DO NOT put this card into a bag if 5%, 10% or 60% dots are AZURE LIGHT BROWN/BROWN-DRY AZURE-WET COBALT FREE HUMIDITY INDICATOR COMPLIES WITH IPC/JEDEC J-STD-033
▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free	▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free

T&R Packing Method for Dry Pack (MSL-3) - 16L VQFN (4x4x1.0mm)

SIGT			MTAI		
  			  		
  			  		
Inner box Dimension W x L x H (cm) 35.6x34x5			Inner box Dimension W x L x H (cm) 37x35.1x5.3		

Plant	MSL Level	Desiccant	Humidity Indicator Card
SIGT	MSL-3	2 units	1 pcs
MTAI	MSL-3	2 units	1 pcs

CCB 8325
PCN ID: CENO-18OROH337
Pre and Post Change Summary

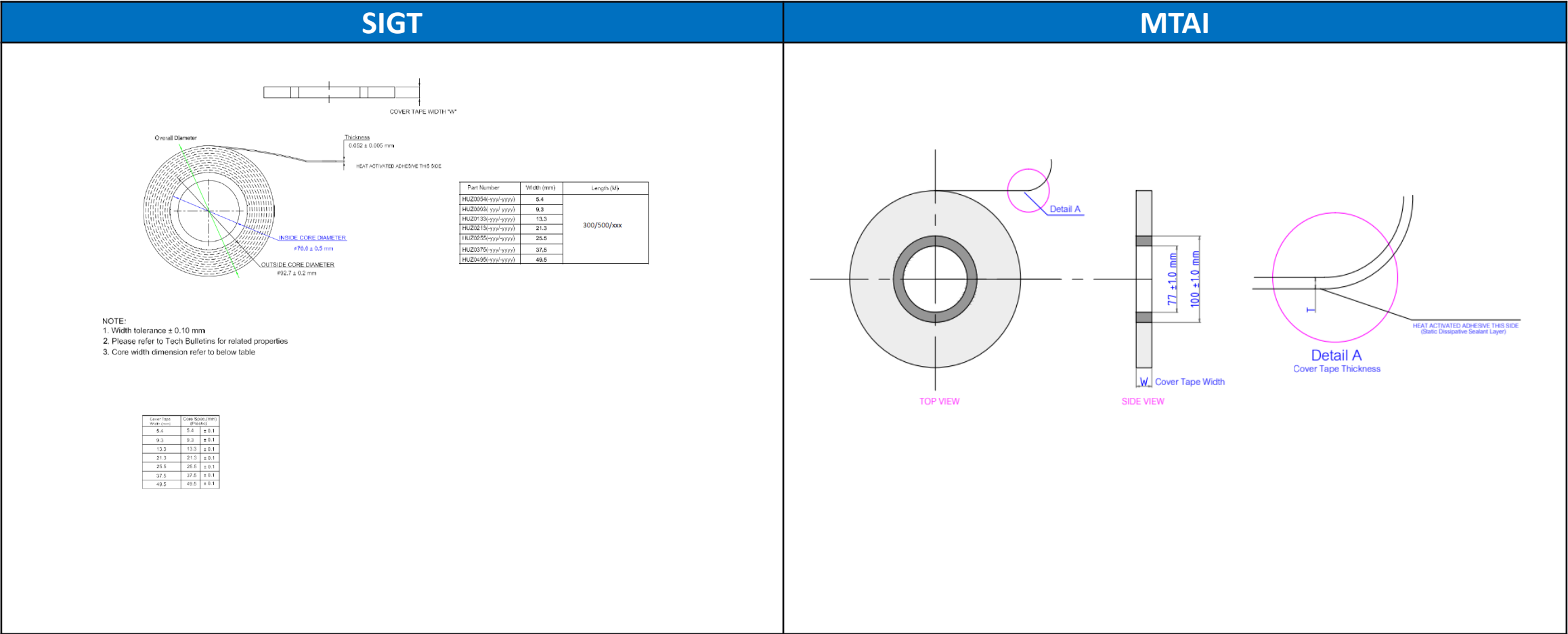


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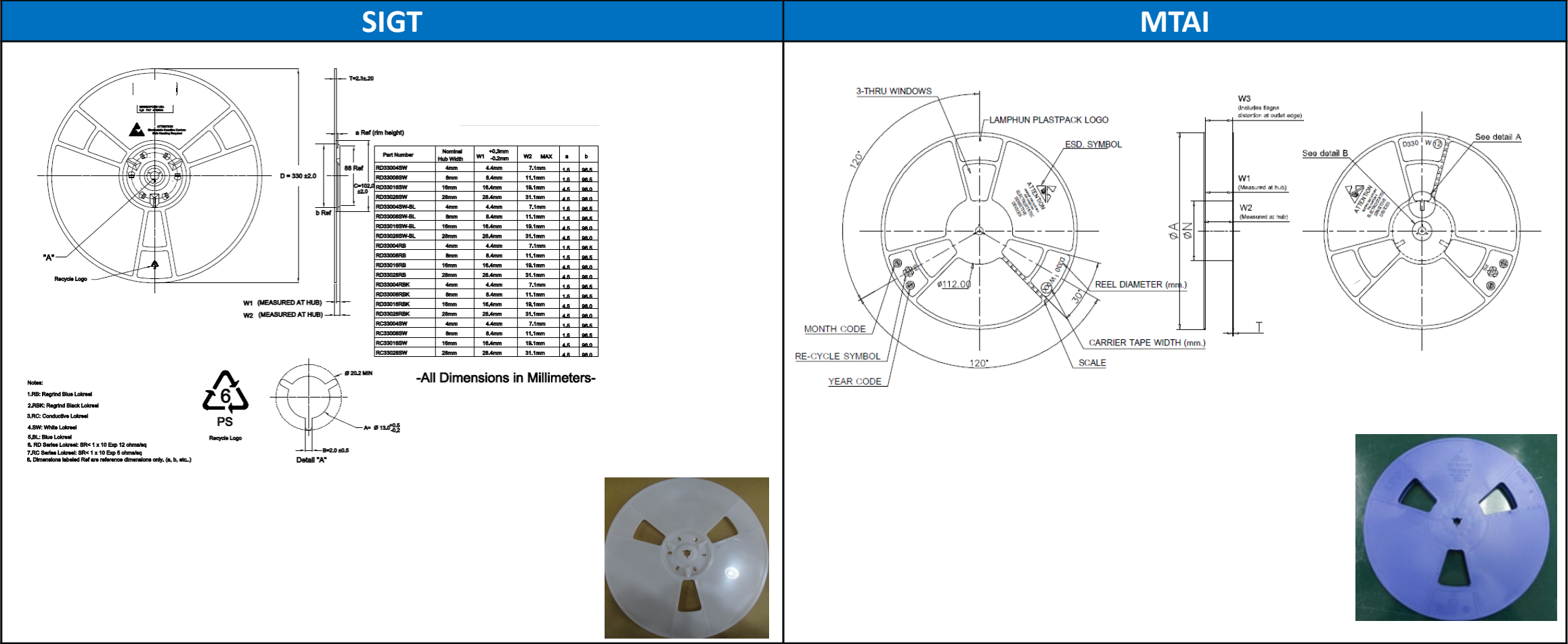
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COVER TAPE - 20L QFN (4x4x0.9mm)



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

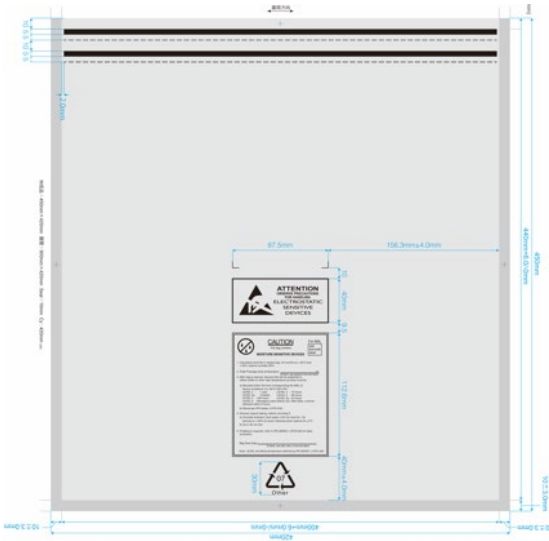
PLASTIC REEL - 20L QFN (4x4x0.9mm)



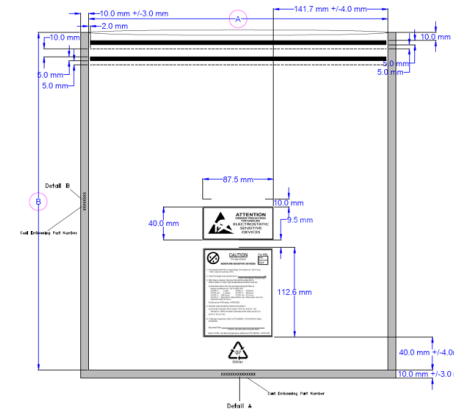
Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
SIGT	330 ±2.0	102 ±2.0	18.20	White
MTAI	330 ±2.0	100 ±2.0	18.40	Dark Blue

Bag - 20L QFN (4x4x0.9mm)

SIGT

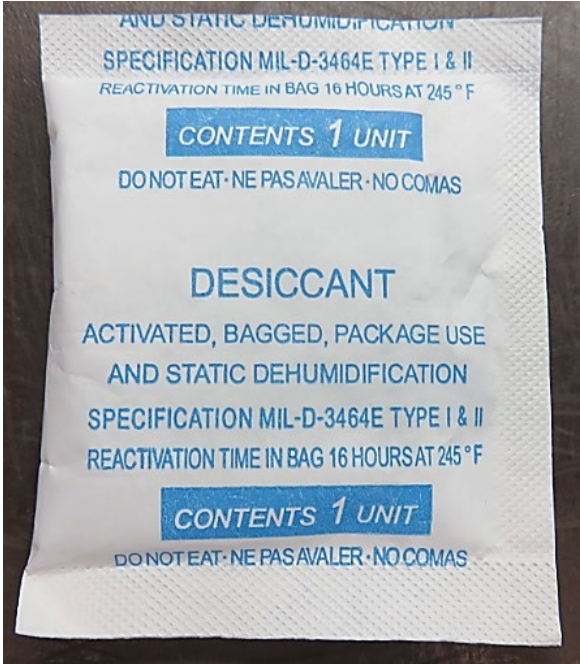


MTAI

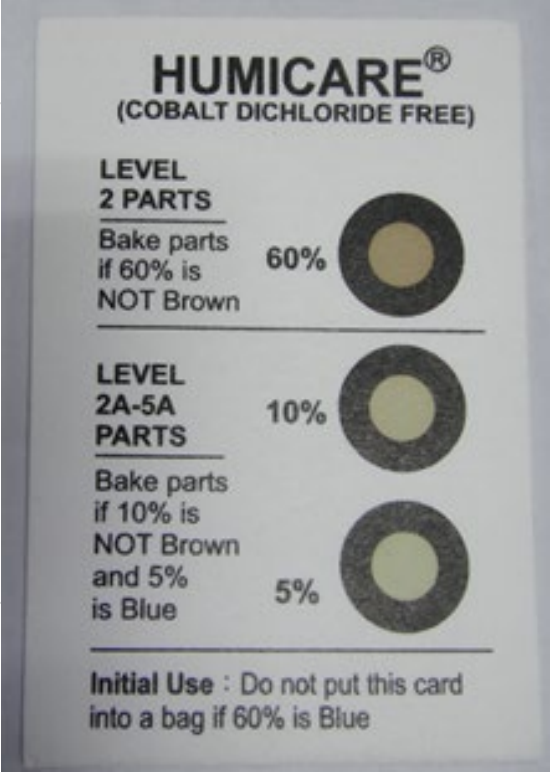
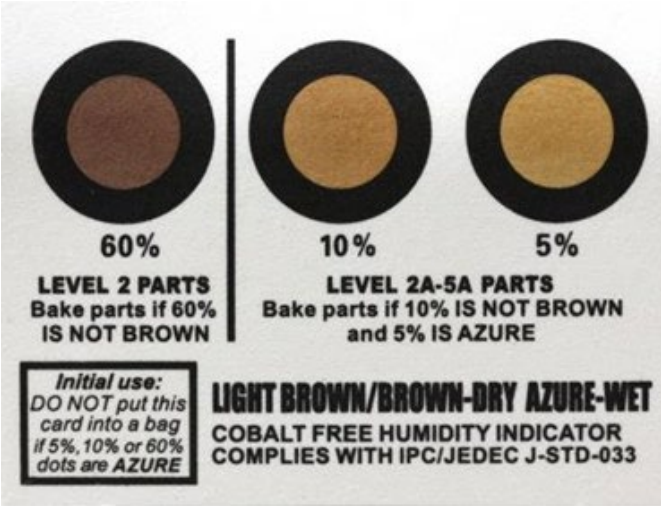


Plant	Moisture Sensitivity Level	Bag type	Length (mm)	Width (mm)	Thickness (mm)
SIGT	MSL-3	Moisture Barrier Bag	450 +3/-3	420 +3/-3	0.180 ±0.01
MTAI	MSL-3	Moisture Barrier Bag	420 +6/-0	370 +6/-0	0.1016

Desiccant - 20L QFN (4x4x0.9mm)

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

Humidity Indicator Card (HIC) - 20L QFN (4x4x0.9mm)

SIGT	MTAI
 HUMICARE[®] (COBALT DICHLORIDE FREE) LEVEL 2 PARTS Bake parts if 60% is NOT Brown 60% LEVEL 2A-5A PARTS Bake parts if 10% is NOT Brown and 5% is Blue 10% 5% Initial Use : Do not put this card into a bag if 60% is Blue	 60% 10% 5% LEVEL 2 PARTS Bake parts if 60% IS NOT BROWN LEVEL 2A-5A PARTS Bake parts if 10% IS NOT BROWN and 5% IS AZURE Initial use: DO NOT put this card into a bag if 5%, 10% or 60% dots are AZURE LIGHT BROWN/BROWN-DRY AZURE-WET COBALT FREE HUMIDITY INDICATOR COMPLIES WITH IPC/JEDEC J-STD-033
▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free	▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free

T&R Packing Method for Dry Pack (MSL-3) - 20L QFN (4x4x0.9mm)

SIGT

Inner box
Dimension
W x L x H (cm)
35.6x34x5

MTAI

Bubble Sheet

Moisture Sensitive Label

Transparent Tape

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

Plant	MSL Level	Desiccant	Humidity Indicator Card
SIGT	MSL-3	2 units	1 pcs
MTAI	MSL-3	2 units	1 pcs

CCB 8325
PCN ID: CENO-18OROH337
Pre and Post Change Summary

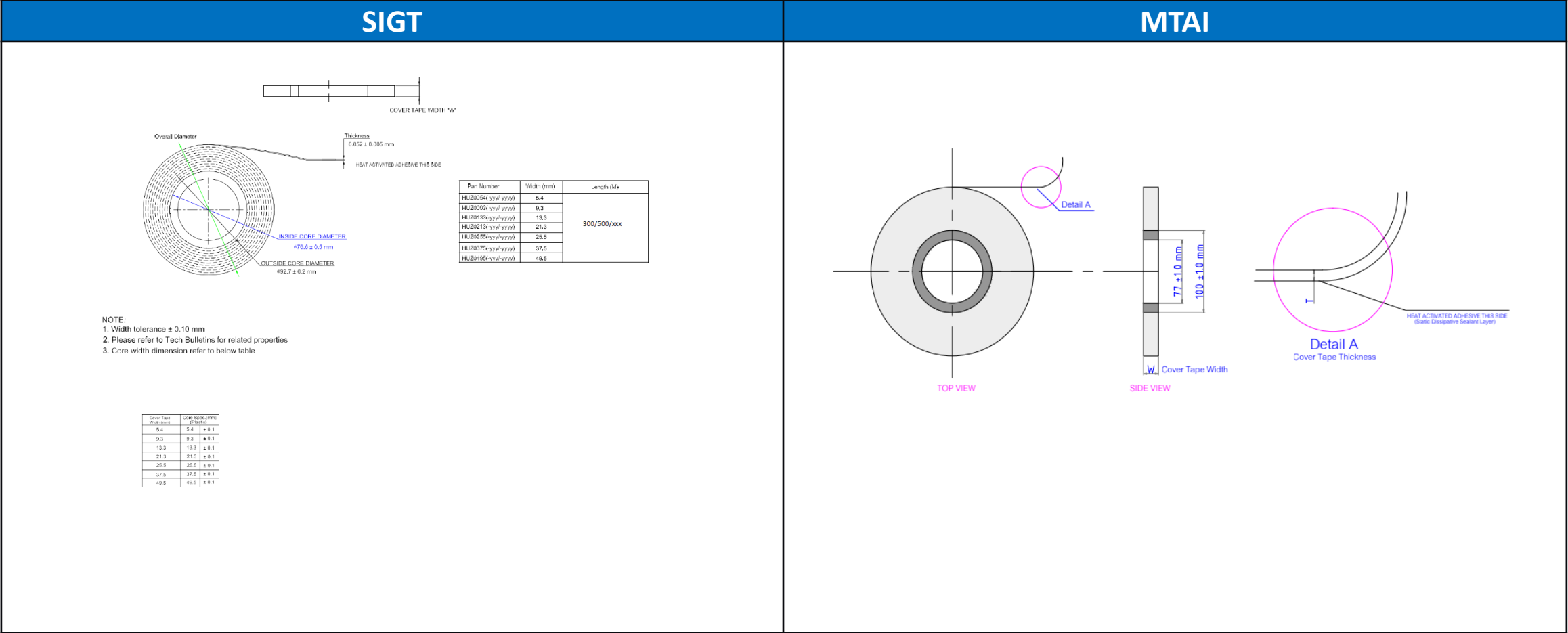


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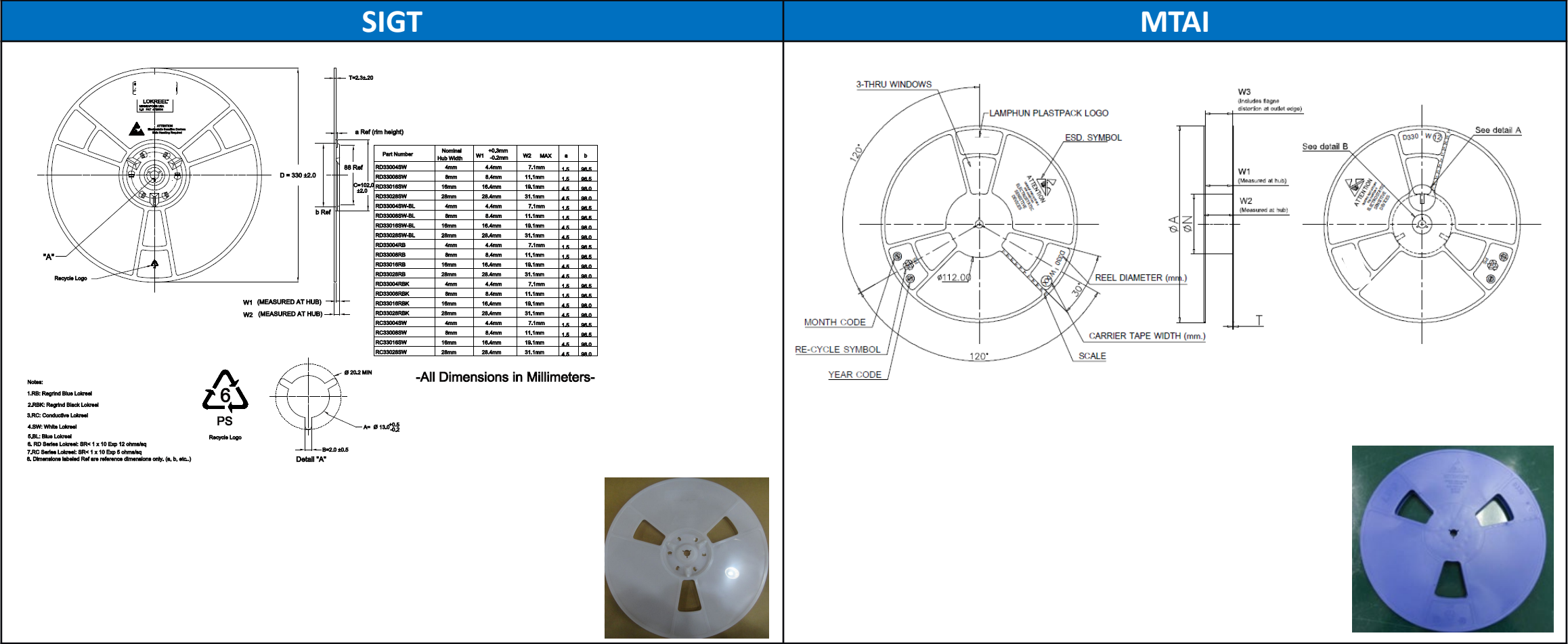
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COVER TAPE - 24L VQFN (4x4x0.9mm)



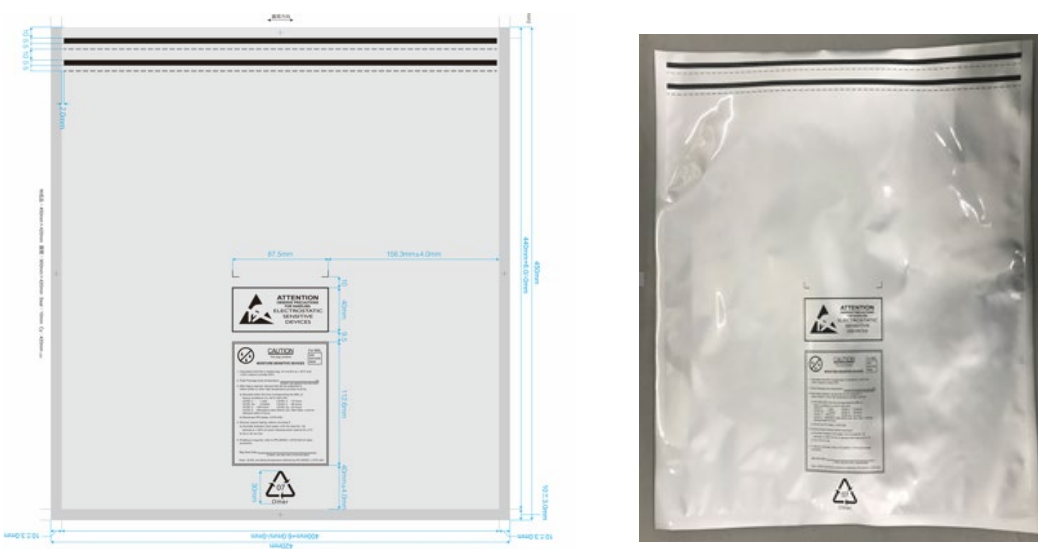
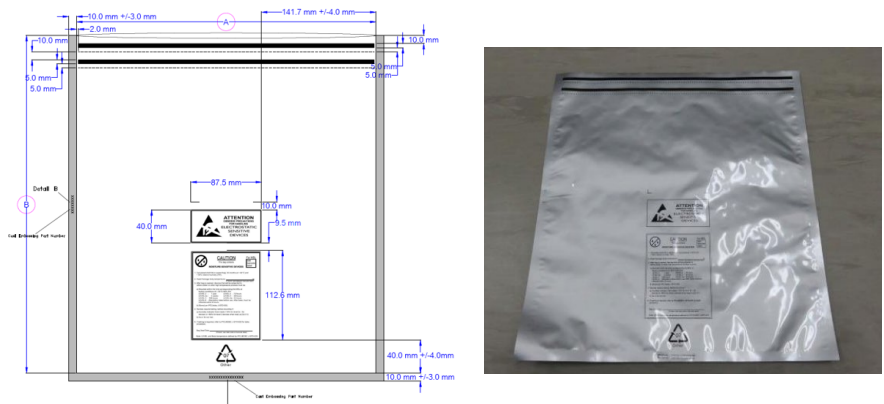
Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
SIGT	9.30 ± 0.10	0.052 ±0.005	Clear	Heat sealing
MTAI	9.05 +0.05/-0.15	0.050 ±0.010	Clear	Heat sealing

PLASTIC REEL - 24L VQFN (4x4x0.9mm)



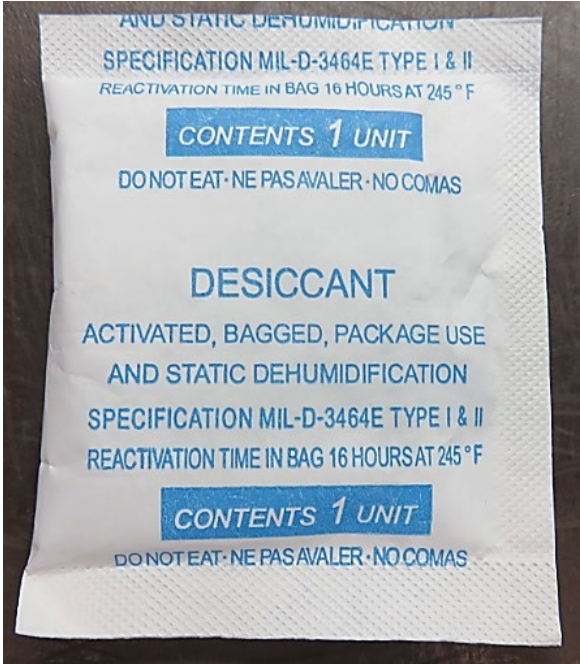
Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
SIGT	330 ±2.0	102 ±2.0	18.20	White
MTAI	330 ±2.0	100 ±2.0	18.40	Dark Blue

Bag - 24L VQFN (4x4x0.9mm)

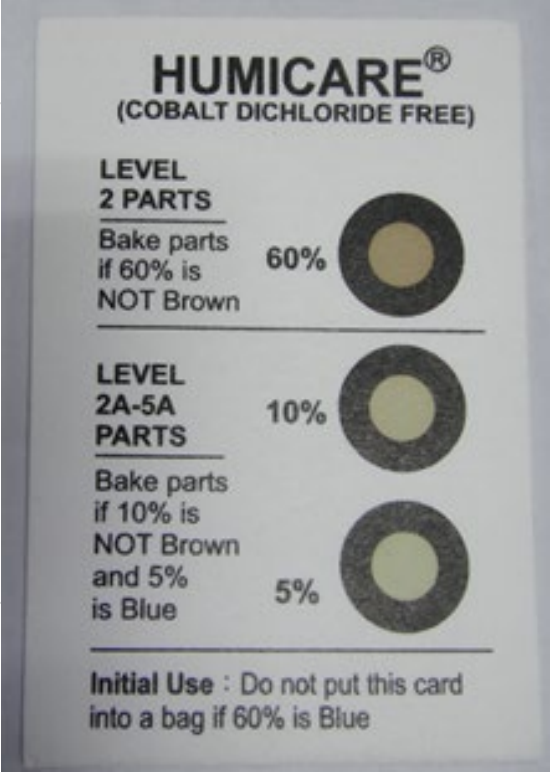
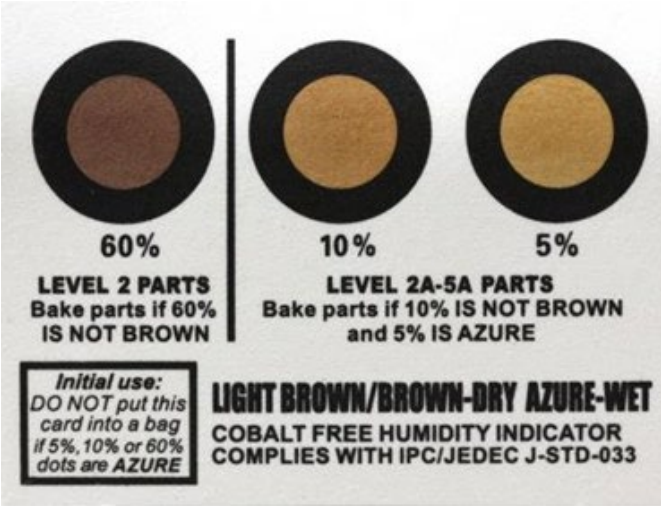
SIGT		MTAI	
			

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

Desiccant - 24L VQFN (4x4x0.9mm)

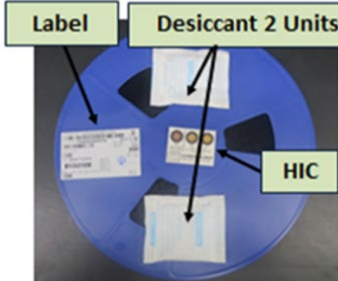
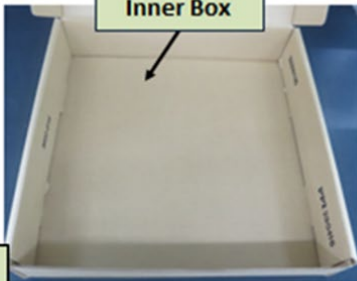
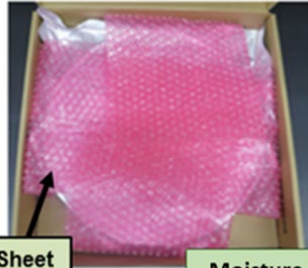
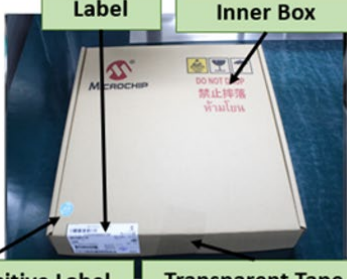
SIGT	MTAI
	
Desiccant each unit is 33 g	Desiccant each unit is 33g

Humidity Indicator Card (HIC) - 24L VQFN (4x4x0.9mm)

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

T&R Packing Method for Dry Pack (MSL-3) - 24L VQFN (4x4x0.9mm)

SIGT						
						
						
<table><tr><td>Inner box</td></tr><tr><td>Dimension</td></tr><tr><td>W x L x H (cm)</td></tr><tr><td>35.6x34x5</td></tr></table>			Inner box	Dimension	W x L x H (cm)	35.6x34x5
Inner box						
Dimension						
W x L x H (cm)						
35.6x34x5						

MTAI						
						
						
<table><tr><td>Inner box</td></tr><tr><td>Dimension</td></tr><tr><td>W x L x H (cm)</td></tr><tr><td>37x35.1x5.3</td></tr></table>			Inner box	Dimension	W x L x H (cm)	37x35.1x5.3
Inner box						
Dimension						
W x L x H (cm)						
37x35.1x5.3						

Plant	MSL Level	Desiccant	Humidity Indicator Card
SIGT	MSL-3	2 units	1 pcs
MTAI	MSL-3	2 units	1 pcs



MICROCHIP

QUALIFICATION PLAN SUMMARY

PCN#: CENO-18OROH337

**Date:
June 9, 2026**

Qualification of MTAI as a new final test site and scan and pack site for CAP1106-1-AIA-TR, CAP1133-1-AIA-TR, CAP1128-1-BP-TR, CAP1166-1-BP-TR, CAP1126-1-AP-TR and CAP1188-1-CP-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm), 20L QFN (4x4x0.9mm), 16L and 24L VQFN (4x4x1.0mm and 4x4x0.9mm) packages.

Purpose: Qualification of MTAI as a new final test site and scan and pack site for CAP1106-1-AIA-TR, CAP1133-1-AIA-TR, CAP1128-1-BP-TR, CAP1166-1-BP-TR, CAP1126-1-AP-TR and CAP1188-1-CP-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm), 20L QFN (4x4x0.9mm), 16L and 24L VQFN (4x4x1.0mm and 4x4x0.9mm) packages.

CCB No.: 8325

Test Name	Test Conditions
Datalog/Bin Comparison	Compare test numbers, test names, test sequence bin assignments & pass/fail results Accept if all match or justify the differences
Site by Site verification	Verifies the channel map has the correct site assignments and tester/handler communications work correctly
Correlation lot report	Yield comparison between systems and test sites. > Accept on yield match within 0.1%
Test stability	50 loop test performed with no datalog delays > Accept on 0 fails
Parametric test stability verification	Use Real Time Statistics software to create report of all parametric tests