



Product Change Notification: BLAS-23NYJ0484

Date:

08-Apr-2025

Product Category:

Simple and Complex Programmable Logic

Notification Subject:

CCB 7196.019 Final Notice: Qualification of MTAI as a new final test site for ATF16LV8C-10JU, ATF16LV8C-10JU-349, ATF16LV8C-10JU-T, ATF16V8B-10JU, ATF16V8B-15JU, ATF16V8BQL-15JU, ATF16V8C-5JX, ATF16V8C-7JU, ATF16V8C-7JU-T and ATF16V8CZ-15JU catalog part numbers (CPN) available in 20L PLCC (8.9x8.9x4.4mm) package.

Affected CPNs:

[BLAS-23NYJ0484_Affected_CPN_04082025.pdf](#)

[BLAS-23NYJ0484_Affected_CPN_04082025.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 for ATF16LV8C-10JU, ATF16LV8C-10JU-349, ATF16LV8C-10JU-T, ATF16V8B-10JU, ATF16V8B-15JU, ATF16V8BQL-15JU, ATF16V8C-5JX, ATF16V8C-7JU, ATF16V8C-7JU-T and ATF16V8CZ-15JU catalog part numbers (CPN) available in 20L PLCC (8.9x8.9x4.4mm) package.

Pre and Post Summary Changes:

	Pre Change	Post Change
Final Test Site	Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Thailand (MTAI)

Tube	Packing Method	See Pre and Post Change Summary for Comparison.
Tape and Reel	Cover Tape	With minor dimensional change. See Pre and Post Change Summary for Comparison.
	Plastic Reel	
	Packing Method	See Pre and Post Change Summary for Comparison.

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability by qualifying MTAI as a new final test site.

Change Implementation Status: In Progress

Estimated First Ship Date: 15 April 2025 (date code: 2516)

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

Timetable Summary:

	April 2025				
Work Week	14	15	16	17	18
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: April 04, 2025: Issued final notification.

April 08, 2025: Re-issued final notification to correct revision history to final.

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_BLAS-23NYJ0484 Pre and Post Change_Summary.pdf

PCN_BLAS-23NYJ0484 Qual Report.pdf

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

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Affected Catalog Part Numbers (CPN)

ATF16LV8C-10JU

ATF16LV8C-10JU-349

ATF16LV8C-10JU-T

ATF16V8B-10JU

ATF16V8B-15JU

ATF16V8BQL-15JU

ATF16V8C-5JX

ATF16V8C-7JU

ATF16V8C-7JU-T

ATF16V8CZ-15JU

CCB 7196.019
Pre and Post Change Summary
PCN# BLAS-23NYJO484



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



SMART | CONNECTED | SECURE

Packing Method – Bag - TUBE






MPHL	MTAI
 <p>The diagram on the left shows the dimensions of the MPHL bag: width (W) and length (L). The width is 7.5cm and the length is 7cm. The bag is labeled with 'A' at the top and 'B' at the bottom. The photo on the right shows a physical example of the MPHL bag, which is a moisture barrier bag with a label and a warning symbol.</p>	 <p>The diagram on the left shows the dimensions of the MTAI bag: width (W) and length (L). The width is 200 mm $\pm 6/-0$ mm and the length is 670 mm $\pm 6/-0$ mm. The bag is labeled with 'A' at the top and 'B' at the bottom. The photo on the right shows a physical example of the MTAI bag, which is a moisture barrier bag with a label and a warning symbol.</p>

Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
MPHL	Moisture Barrier Bag	685 ± 5	228 ± 5	0.1524
MTAI	Moisture Barrier Bag	670 $\pm 6/-0$	200 $\pm 6/-0$	0.1016

Packing Method – Desiccant - TUBE

MPHL	MTAI
<div data-bbox="259 422 598 952">A white rectangular desiccant bag with printed text. The text includes 'SPECIFICATION MIL-D-3464 TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245 °F', 'DESICCANT CONTENTS 1 UNIT', 'ACTIVATED BAGGED FOR UNIT DEHUMIDIFICATION', 'DO NOT EAT', 'ISO9001', 'PHILIPPINE DESICCANTS, INC.', 'TEL 63-2-821-0117-8', and 'SOLUPAK™'.</div> <div data-bbox="637 825 715 873">OR</div> <div data-bbox="749 441 1133 952">A white rectangular desiccant bag with printed text. The text includes 'SPECIFICATION MIL-D-3464 TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245 °F', 'DESICCANT CONTENTS 1 UNIT', 'ACTIVATED BAGGED FOR UNIT DEHUMIDIFICATION', 'DO NOT EAT', 'AMELCO DESICCANTS INC.', 'WWW.AMELCOSYSTEMS.COM', and 'Sorb® Clay'.</div>	<div data-bbox="1546 385 2122 1042">A white rectangular desiccant bag with printed text. The text includes 'AND STATIC DEHUMIDIFICATION', 'SPECIFICATION MIL-D-3464E TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245 °F', 'CONTENTS 1 UNIT', 'DO NOT EAT · NE PASAVALER · NO COMAS', 'DESICCANT', 'ACTIVATED, BAGGED, PACKAGE USE AND STATIC DEHUMIDIFICATION', 'SPECIFICATION MIL-D-3464E TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245 °F', 'CONTENTS 1 UNIT', and 'DO NOT EAT · NE PASAVALER · NO COMAS'.</div> <div data-bbox="1505 1065 2168 1122">Desiccant each unit is 33g</div>

Packing Method - Humidity Indicator Card (HIC) - TUBE

MPHL	MTAI
<div data-bbox="242 404 588 846"><p>HUMIDITY INDICATOR Complies with IPC/JEDEC J-STD-033</p><p>LEVEL 2 PARTS 60%  Bake parts if 60% is NOT brown</p><p>LEVEL 2A-5A PARTS 10%  Bake parts if 10% is NOT brown and 5% is azure</p><p>5% </p><p>COBALT FREE</p><p>Initial use: Do not put this card into a bag if 60% is azure.</p><p>HIC-0560-CF-BA3 www.amecosystems.com</p></div> <div data-bbox="782 512 1161 779"><p>5% 10% 60%</p><p>LEVEL 2A-5A PARTS Bake parts if 10% is NOT BROWN and 5% IS AZURE</p><p>LEVEL 2 PARTS Bake parts if 60% IS NOT BROWN</p><p>BROWN-DRY AZURE-WET COBALT FREE HUMIDITY INDICATOR CARD COMPLIES WITH IPC/JEDEC J-STD-033</p></div> <p>OR</p>	<div data-bbox="1508 384 2165 888"><p>60% 10% 5%</p><p>LEVEL 2 PARTS Bake parts if 60% IS NOT BROWN</p><p>LEVEL 2A-5A PARTS Bake parts if 10% IS NOT BROWN and 5% IS AZURE</p><p>Initial use: DO NOT put this card into a bag if 5%, 10% or 60% dots are AZURE</p><p>LIGHT BROWN/BROWN-DRY AZURE-WET COBALT FREE HUMIDITY INDICATOR COMPLIES WITH IPC/JEDEC J-STD-033</p></div>

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

- 3 Dots (5%, 10%, 60%)
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Packing Method - Dry Pack (MSL-2) - TUBE

Desiccant (1.0 unit)

Open Side

Intermediate Barcode Label

HIC (Humidity Indicator Card)

MSL (Caution)

ESD Label (2x2)

Desiccant (1.0 unit)

Bubble Sheet

Open Side

MSID Sticker

Intermediate Barcode Label

Inner Box
Dimension
W x L x H (cm)
12.9x56.5x8

Desiccant 2 Units

HIC

Antistatic Foam End Cap

MBB

Bubble Sheet

Moisture Sensitive Label

Label

Caution Label

MBB

Label

Transparent Tape

Inner Box
Dimension
W x L x H (cm)
12.9x56.5x8

Plant	MSL Level	Desiccant	Humidity Indicator Card	Baking Condition		
				Bake Time at 125C +10/-0 C (Hours)	Exposure Time from Bake (Hours)	Customer Floor Life (Hours)
MPHL	MSL-2	2 units	1 pc	No Bake	No Bake	No Bake
MTAI	MSL-2	2 units	1 pc	No Bake	No Bake	No Bake

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Cover Tape – Tape and Reel

NPHL

SECTION Y - Y

BASE FILM
ADHESIVE
POLYESTER FILM
T=0.05

SECTION X - X

W
+2.0
-0.0
Ø77.0

COVER TAPE WIDTH* (W ± 0.1)	CARRIER TAPE WIDTH	ADHESIVE WIDTH (W ± 0.15)
5.3	8	0.7x2
7.3	12	1.0x2
9.3	12	1.0x2
13.3	16	1.0x2
21.3	24	1.15x2
25.5, 26.3	32	1.15x2
37.5	44	1.65x2
49.5	56	1.65x2
65.5	72	1.65x2

NOTES

- 1 THICKNESS : 0.045—0.055mm.
- 2 LIGHT TRANSMITTANCE : >80%
- 3 TENSILE STRENGTH : 9.7kg/mm sq.
- 4 ELONGATION : >120%
- 5 SURFACE RESISTIVITY
UNDERSIDE : 10¹¹ OHMS/SQ MAX.
TOPSIDE : 10¹⁰ OHMS/SQ
- *6 OTHER COVER TAPE WIDTH REFER TO W4.08—04.

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

MTAI

TOP VIEW

DETAIL A

SIDE VIEW

W Cover Tape Width

77 ± 1.0 mm

100 ± 1.0 mm

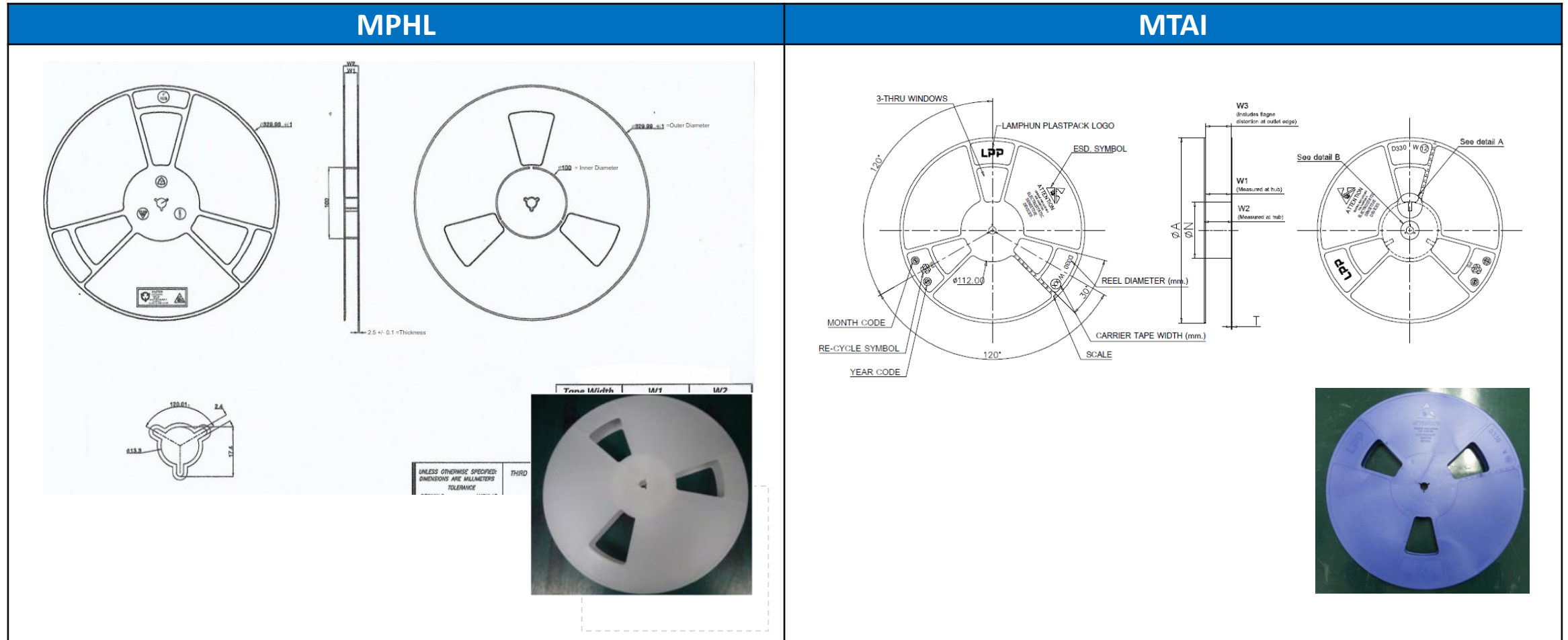
DETAIL A

Cover Tape Thickness

HEAT ACTIVATED ADHESIVE THIS SIDE
(Static Dissipative Sealant Layer)

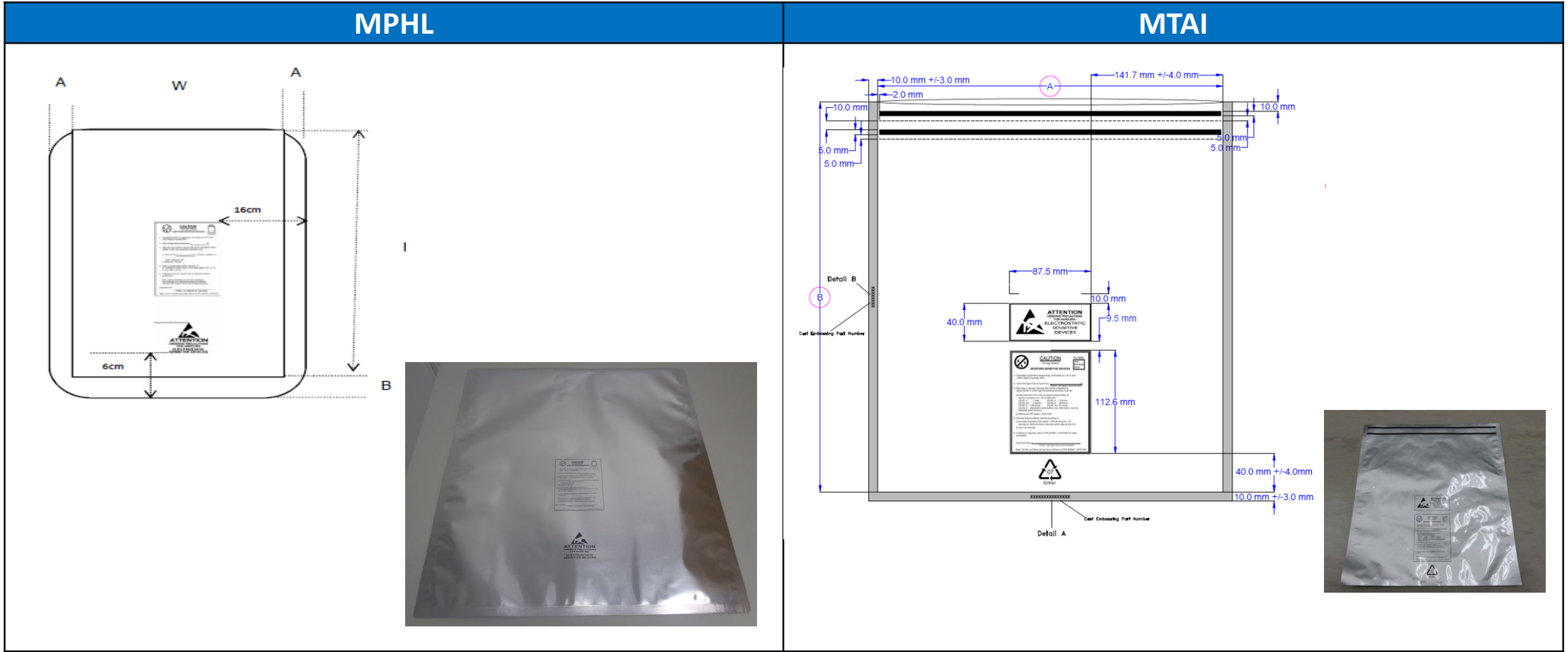
Plant	Width W (mm.)	Thickness T (mm.)	Color	Sealing Methodology
MPHL	13.3 ±0.1	0.050 ±0.005	Clear	Pressure Adhesive Sealing
MTAI	13.3 ±0.1	0.050 ±0.010	Clear	Heat sealing

Plastic Reel – Tape and Reel



Plant	Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color
MPHL	330 ±2.0	100 ±2.0	22.50	White
MTAI	330 ±2.0	100 ±2.0	22.40	Dark Blue

Packing Method – BAG – Tape and Reel



Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
MPHL	Moisture Barrier Bag	457 +/-5	406 +/-5	0.1524
MTAI	Moisture Barrier Bag	420 +6/-0	370 +6/-0	0.1016

Desiccant – Tape and Reel

MPHL	MTAI
<div data-bbox="285 334 624 863">A white rectangular desiccant bag with blue and black text. The text includes 'SPECIFICATION MIL-D-3464 TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245°F', 'DESICCANT CONTENTS PACKAGE USE', 'ACTIVATED 1 UNIT AND STATIC DEHUMIDIFICATION', 'BAGGED FOR ISO9001', 'DO NOT EAT', 'PHILIPPINE DESICCANTS, INC. TEL 63-2-821-0117-8', and 'SOLUPAK™'.</div> <div data-bbox="657 772 718 811">OR</div> <div data-bbox="769 351 1151 863">A white rectangular desiccant bag with blue and black text. The text includes 'SPECIFICATION MIL-D-3464 TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245°F', 'DESICCANT CONTENTS PACKAGE USE', 'ACTIVATED 1 UNIT AND STATIC DEHUMIDIFICATION', 'BAGGED FOR ISO9001', 'DO NOT EAT', 'AMELCO DESICCANTS INC. WWW.AMELCOSYSTEMS.COM', and 'Sorb Clay'.</div>	<div data-bbox="1554 307 2127 966">A white rectangular desiccant bag with blue and black text. The text includes 'AND STATIC DEHUMIDIFICATION', 'SPECIFICATION MIL-D-3464E TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245°F', 'CONTENTS 1 UNIT', 'DO NOT EAT · NE PAS AVALER · NO COMAS', 'DESICCANT', 'ACTIVATED, BAGGED, PACKAGE USE AND STATIC DEHUMIDIFICATION', 'SPECIFICATION MIL-D-3464E TYPE I & II', 'REACTIVATION TIME IN BAG 16 HOURS AT 245°F', 'CONTENTS 1 UNIT', and 'DO NOT EAT · NE PAS AVALER · NO COMAS'.</div>
<p>Desiccant each unit is 33g</p>	<p>Desiccant each unit is 33g</p>

Packing Method Humidity Indicator Card (HIC) – Tape and Reel

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Packing Method - Dry Pack (MSL-2) – Tape and Reel

Intermediate Barcode Label

Non-Sprocket Hole Side



4" Hub Size Sample

Desiccant (1.0 unit)

HIC (Humidity Indicator Card)

Desiccant (1.0 unit)



Open Side

Intermediate Barcode Label

MSL (Caution)

ESD Label (2x2)

Label Placement at Box



Bubble Sheet



MSID Sticker



Intermediate Barcode Label

Inner Box

Dimension

W x L x H (cm)

37x35.1x5.3

Label

Desiccant 2 Units

HIC



Moisture Barrier Bag



Caution Label

Label

Inner Box





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	Baking Condition		
				Bake Time at 125C +10/-0 C (Hours)	Exposure Time from Bake (Hours)	Customer Floor Life (Hours)
MPHL	MSL-2	2 units	1 pc	No Bake	No Bake	No Bake
MTAI	MSL-2	2 units	1 pc	No Bake	No Bake	No Bake



QUALIFICATION REPORT SUMMARY
RELIABILITY LABORATORY

PCN #: BLAS-23NYJO484

Date:
March 25, 2025

**Qualification of MTAI as a new final test site for
ATF16LV8C-10JU, ATF16LV8C-10JU-349, ATF16LV8C-
10JU-T, ATF16V8B-10JU, ATF16V8B-15JU, ATF16V8BQL-
15JU, ATF16V8C-5JX, ATF16V8C-7JU, ATF16V8C-7JU-T
and ATF16V8CZ-15JU catalog part numbers (CPN)
available in 20L PLCC (8.9x8.9x4.4mm) package.**



Purpose: Qualification of MTAI as a new final test site for ATF16LV8C-10JU, ATF16LV8C-10JU-349, ATF16LV8C-10JU-T, ATF16V8B-10JU, ATF16V8B-15JU, ATF16V8BQL-15JU, ATF16V8C-5JX, ATF16V8C-7JU, ATF16V8C-7JU-T and ATF16V8CZ-15JU catalog part numbers (CPN) available in 20L PLCC (8.9x8.9x4.4mm) package.

CCB No.: 7196.019

Test / Evaluation	Test Condition / Parameters	Sample Size	Qty of Lots	Fail/Accept Criteria	Result
Bin and Yield Comparison	<ul style="list-style-type: none">Test the same units at existing and destination locations and compare Bin and Yield data.	3000	1	$\leq 0.1\%$	Passed
Parametric / Characterization Comparison	<ul style="list-style-type: none">Characterize the same units at existing and destination locations and compare data.	33	1	$\leq 10\%$	Passed
Correlation Lot Report	<ul style="list-style-type: none">Accept on yield match within 0.1%	33	1	$\leq 0.1\%$	Passed