



Product Change Notification: CBOL-24IDUQ273

Date:

02-Sep-2026

Product Category:

32-Bit Microprocessors

Notification Subject:

CCB 8492 Initial Notice: Qualification of MPHL as an additional final test site and scan and pack site for AT91SAM9260B-CU, AT91SAM9G20B-CU-103, AT91SAM9G20B-CU, AT91SAM9G20B-CU-999, AT91SAM9260B-CU-999 and AT91SAM9260B-QU catalog part numbers (CPN) available in 217L LFBGA (15x15x1.4mm) and 208L PQFP (28x28x3.37mm) packages.

Affected CPNs:

[CBOL-24IDUQ273_Affected_CPN_09022026.pdf](#)

[CBOL-24IDUQ273_Affected_CPN_09022026.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 MPHL as an additional final test site and scan and pack site for AT91SAM9260B-CU, AT91SAM9G20B-CU-103, AT91SAM9G20B-CU, AT91SAM9G20B-CU-999, AT91SAM9260B-CU-999 and AT91SAM9260B-QU catalog part numbers (CPN) available in 217L LFBGA (15x15x1.4mm) and 208L PQFP (28x28x3.37mm) packages.

Pre and Post Summary Changes:

	Pre Change	Post Change		Change (Yes/No)
Final Test Site	ASE Test (ASE9)	ASE Test (ASE9)	Microchip Technology Operations Corporation	Yes
Scan and Pack Site				Yes

			(MPHL)	
Plastic Reel	See Pre and Post Change Summary for Comparison.			Yes
Cover Tape	See Pre and Post Change Summary for Comparison.			Yes
Packing Material/Method	See Pre and Post Change Summary for Comparison.			Yes

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability and on-time delivery performance by qualifying MPHL as an additional 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:

	September 2026					October 2026				
Work Week	36	37	38	39	40	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: September 02, 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_CBOL-24IDUQ273_Pre_and_Post_Change_Summary.pdf
PCN_CBOL-24IDUQ273_Qualification_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.

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Affected Catalog Part Numbers (CPN):

AT91SAM9260B-CU

AT91SAM9G20B-CU-103

AT91SAM9G20B-CU

AT91SAM9G20B-CU-999

AT91SAM9260B-CU-999

AT91SAM9260B-QU

CCB 8492
Pre and Post Change Summary
PCN #: CBOL-24IDUQ273

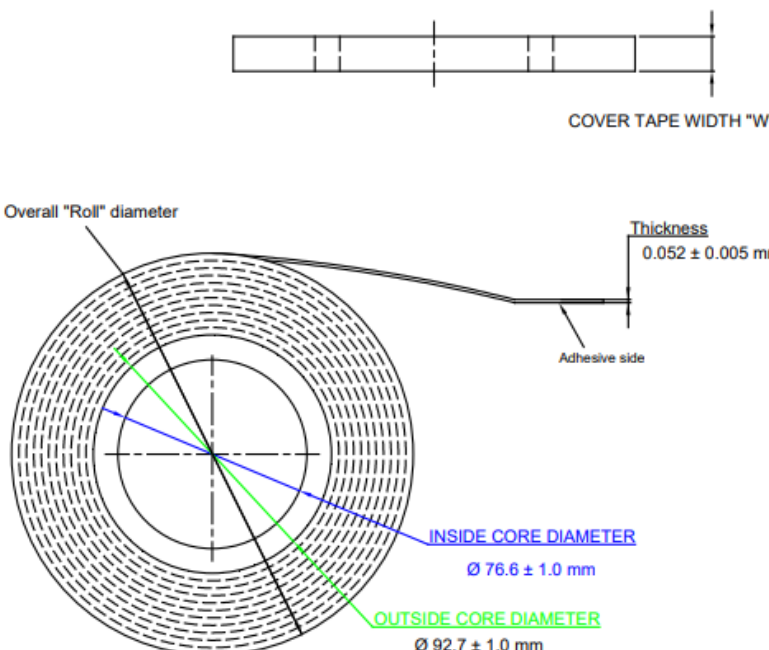
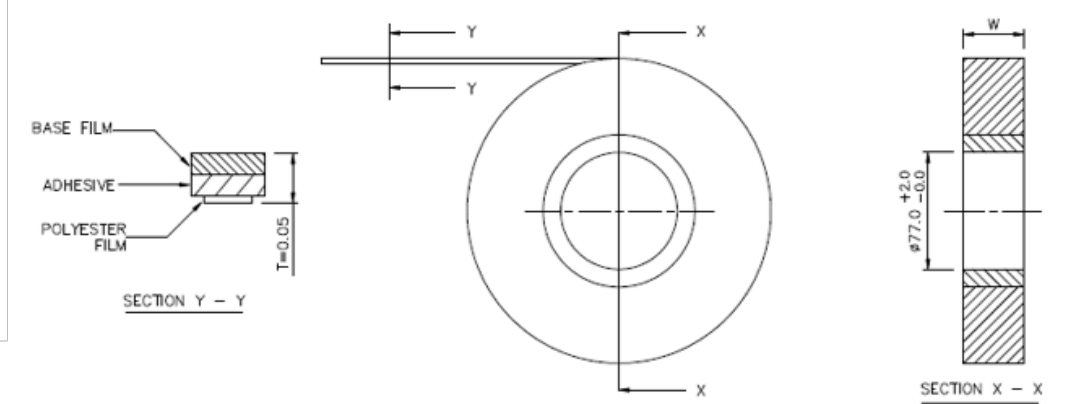


A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



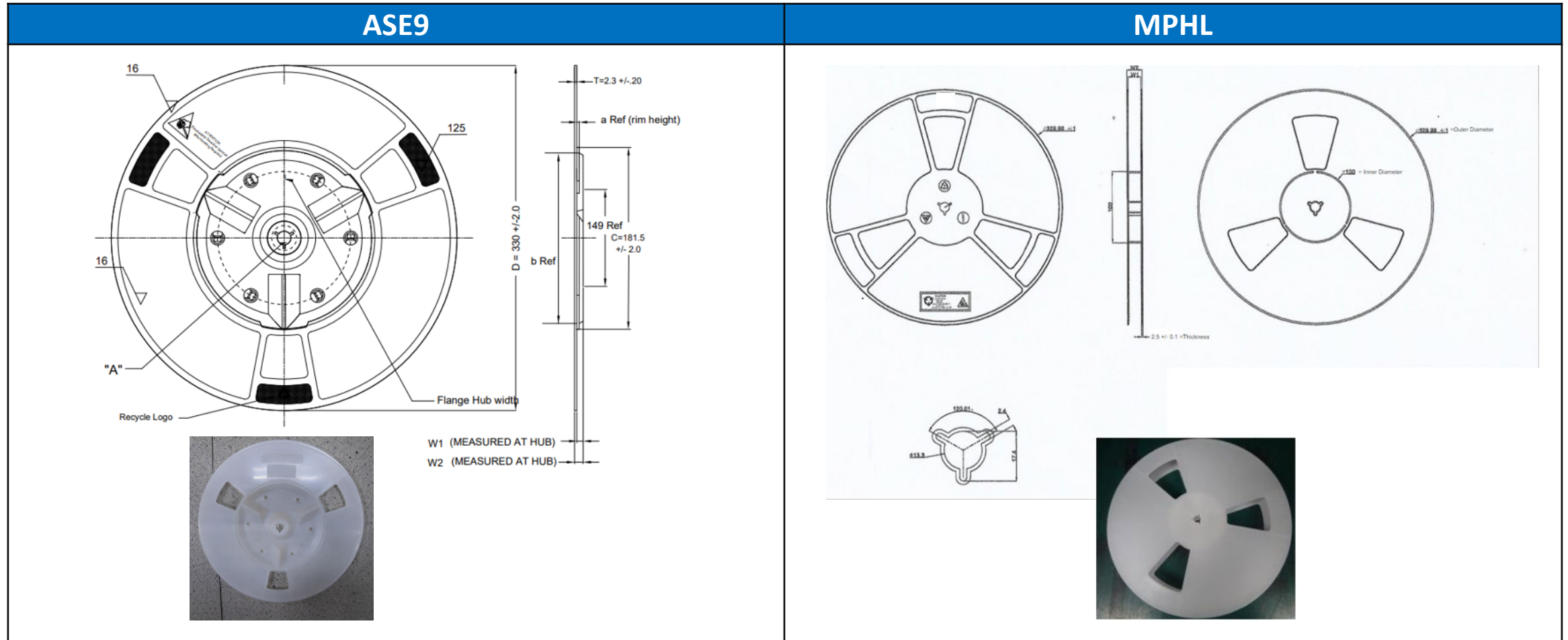
SMART | CONNECTED | SECURE

Pre and Post Change – T&R – Cover Tape (LFBGA)

ASE9	MPHL
 COVER TAPE WIDTH "W" Overall "Roll" diameter Thickness 0.052 ± 0.005 mm Adhesive side INSIDE CORE DIAMETER Ø 76.6 ± 1.0 mm OUTSIDE CORE DIAMETER Ø 92.7 ± 1.0 mm NOTE: - Length (M): -yyy(y) +3/-0 M, where yyy(y)=Length - Overall (Roll) Diameter: - For 300 meter length roll = 168 ± 10 mm - For 500 meter length roll = 203 ± 10 mm - For 600 meter length roll = 218 ± 10 mm - Core width dimension refer to below table - Please refer to tech bulletins for related properties of HUZ cover tape	 BASE FILM ADHESIVE POLYESTER FILM T=0.05 SECTION Y - Y SECTION X - X NOTES - THICKNESS : 0.045–0.055mm. - LIGHT TRANSMITTANCE : >80% - TENSILE STRENGTH : 9.7kg/mm sq. - ELONGATION : >120% - SURFACE RESISTIVITY UNDERSIDE : 10¹ OHMS/SQ MAX. TOPSIDE : 10⁴ OHMS/SQ *6 OTHER COVER TAPE WIDTH REFER TO W14.08–04.

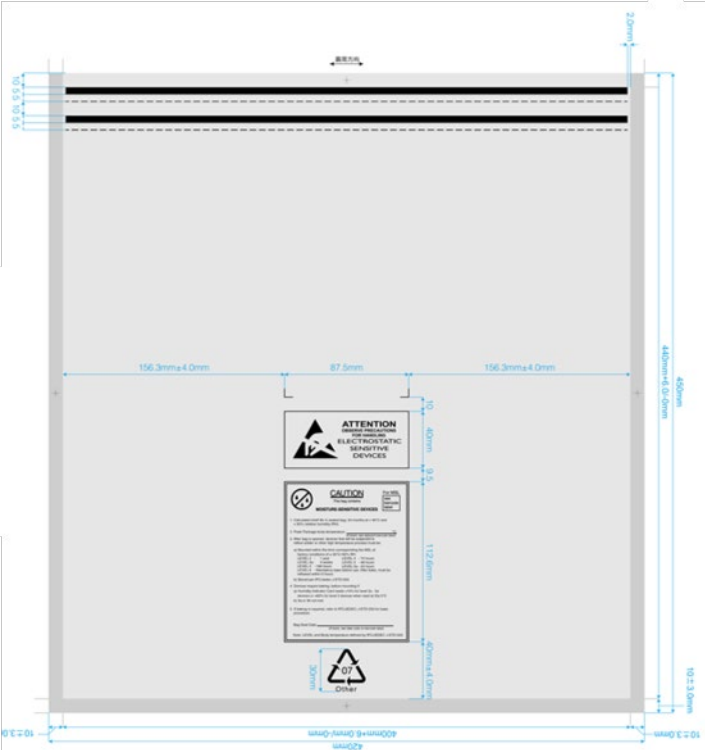
Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
ASE9	21.3 ± 0.1	0.052 ± 0.005	Clear	Heat sealing
MPHL	21.3 ± 0.1	0.05±0.005	Clear	Pressure sealing

Pre and Post Change – T&R – Plastic Reel (LFBGA)



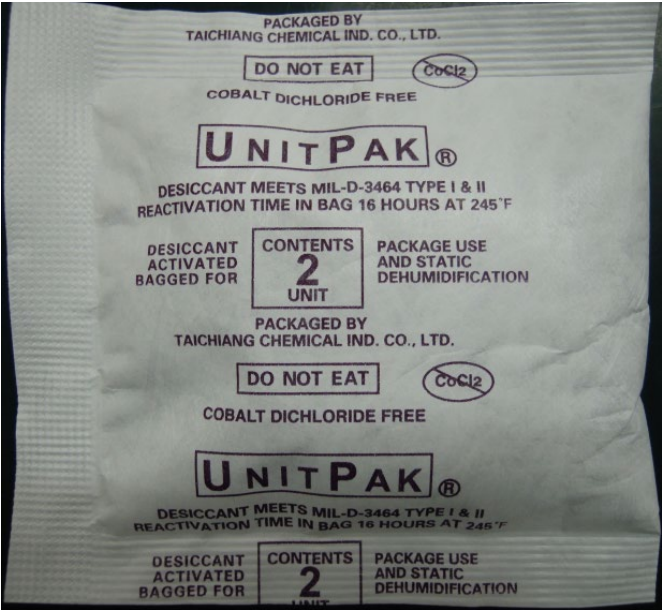
Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
ASE9	330 ±2	181.5 ±2	22.2	White
MPHL	330 ±2	100 ±2.0	29.5+1.0/-0	White

Pre and Post Change – T&R – Moisture Barrier Bag (LFBGA)

ASE9	MPHL
 Technical drawing of the ASE9 Moisture Barrier Bag. The bag is rectangular with a width of 420mm and a length of 450mm. It features a central label with 'ATTENTION' and 'CAUTION' warnings. Dimensions for the label and its placement are provided: 156.3mm ± 4.0mm for the top and bottom margins, 87.5mm for the side margins, and 112.6mm for the label height. A 6cm dimension is also indicated for the bottom margin.	 Technical drawing and photograph of the MPHL Moisture Barrier Bag. The drawing shows a rectangular bag with dimensions W (width) and L (length). Specific dimensions include 16cm for the top margin, 6cm for the bottom margin, and 5cm for the side margin. A photograph of the physical bag is shown to the right, featuring a central label with 'ATTENTION' and 'CAUTION' warnings.

Plant	Bag type	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASE9	MSL- 3	Moisture Barrier Bag	450 +6/-0	420 +6/-0	0.18
MPHL	MSL- 3	Moisture Barrier Bag	432±5mm	406±5mm	0.15+/-10mm

Pre and Post Change – T&R – Desiccant (LFBGA)

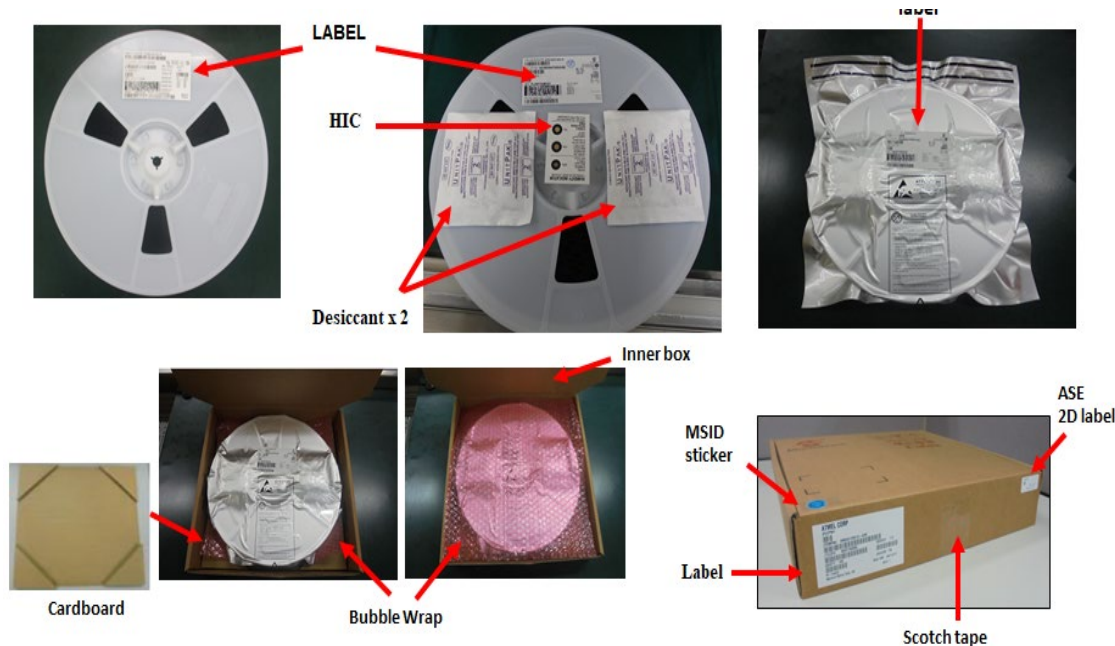
ASE9	MPHL
 A white desiccant bag for Unit Pak. The bag is labeled with 'UNITPAK' and 'DESICCANT MEETS MIL-D-3464 TYPE I & II'. It also includes a 'DO NOT EAT' warning and a 'COBALT DICHLORIDE FREE' statement. The bag is marked 'CONTENTS 2 UNIT' and 'PACKAGE USE AND STATIC DEHUMIDIFICATION'.	 A white desiccant bag for Solupak. The bag is labeled with 'SOLUPAK' and 'DESICCANT MEETS MIL-D-3464 TYPE I & II'. It also includes a 'DO NOT EAT' warning and a 'COBALT DICHLORIDE FREE' statement. The bag is marked 'CONTENTS 1 UNIT' and 'PACKAGE USE AND STATIC DEHUMIDIFICATION'. OR  A white desiccant bag for Sorb Clay. The bag is labeled with 'Sorb Clay' and 'DESICCANT MEETS MIL-D-3464 TYPE I & II'. It also includes a 'DO NOT EAT' warning and a 'COBALT DICHLORIDE FREE' statement. The bag is marked 'CONTENTS 1 UNIT' and 'PACKAGE USE AND STATIC DEHUMIDIFICATION'.
Desiccant each unit is 66 g	Desiccant each unit is 33 g

Pre and Post Change – T&R – Humidity Indicator Card (HIC) (LFBGA)

ASE9	MPHL
HUMIDITY INDICATOR Complies with IPC/JEDEC J-STD-033 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 pale-green 10% HUMISCOPE® ITEM NO.: AH311H COBALT DICHLORIDE FREE 5% Initial Use : Do not put this card into a bag if 60% is pale-green. ▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free	HUMIDITY INDICATOR Complies with IPC/JEDEC J-STD-033 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 azure 10% 5% COBALT FREE Initial use: Do not put this card into a bag if 60% is azure. HIC-0560-CF-BA3 www.amelcosystems.com OR 5% 10% 60% LEVEL 2A-5A PARTS Bake parts if 10% is NOT brown and 5% is pale-green LEVEL 2 PARTS Bake parts if 60% is NOT brown BROWN-DRY AZURE-WET COBALT FREE HUMIDITY INDICATOR CARD AVOID METAL CONTACT COMPLIES WITH IPC/JEDEC J-STD-033 M98 5 4 3 ▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free

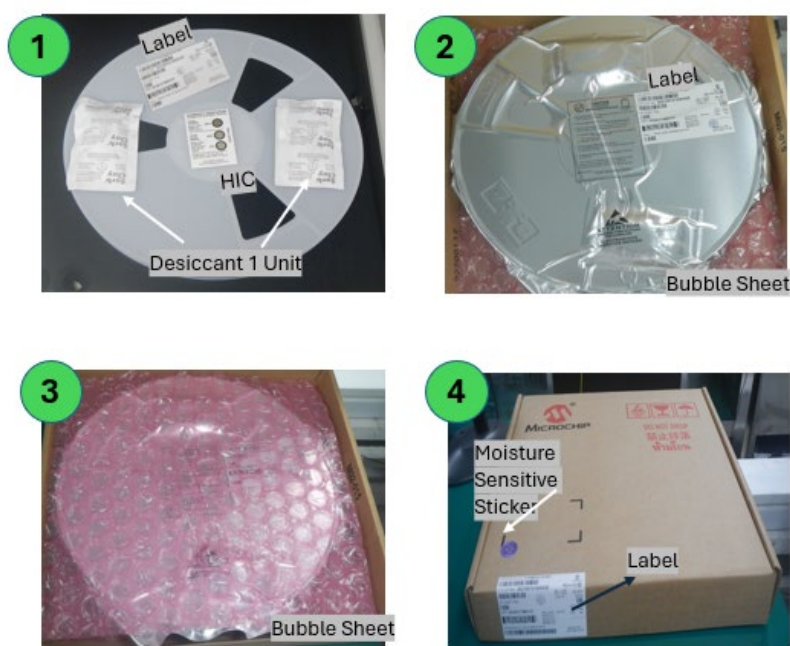
Pre and Post Change – T&R – Packing Method (LFBGA)

ASE9



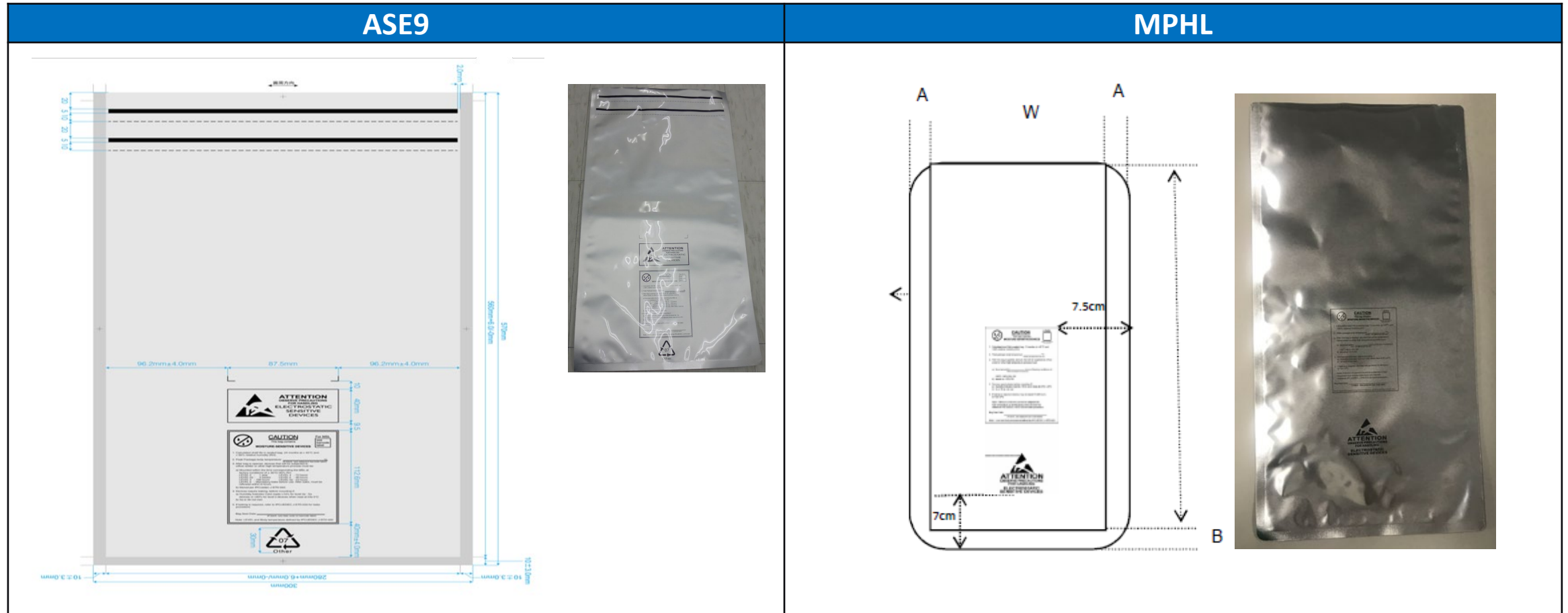
Inner box
Dimension
W x L x H (cm)
37x35.3x7.8

MPHL



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

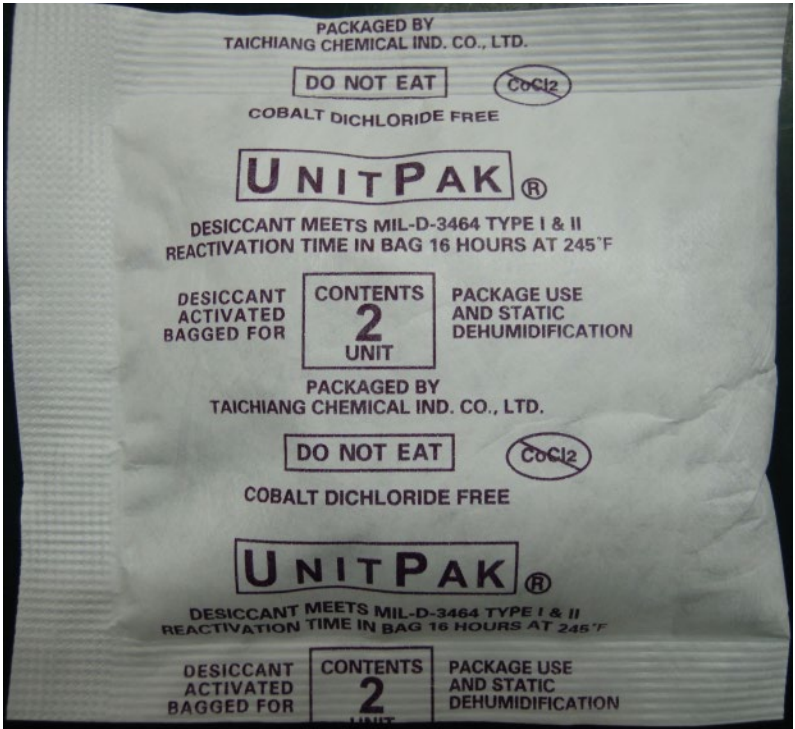
Pre and Post Change – TRAY– Moisture Barrier Bag (LFBGA and PQFP)



Plant	Moisture Sensitivity Level	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASE9	MSL- 3	Moisture Barrier Bag	570 +6/-0	300 +6/-0	0.18
MPHL	MSL- 3	Moisture Barrier Bag	482±5mm	228±5mm	0.15+/-10%

Pre and Post Change – Desiccant

ASE9



Desiccant each unit is 66 g

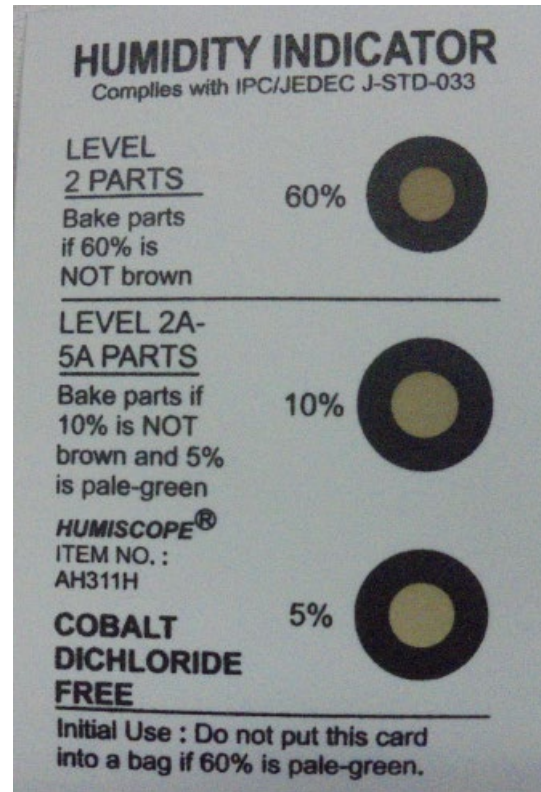
MPHL



Desiccant each unit is 33g

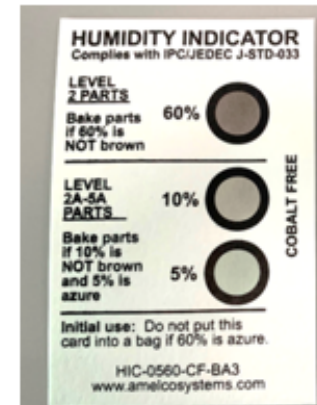
Pre and Post Change – Humidity Indicator Card (HIC)

ASE9



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

MPHL

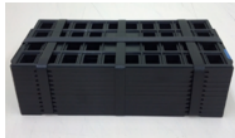
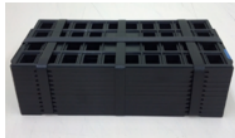
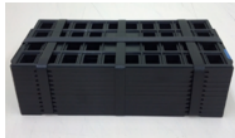


OR



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

Pre and Post Change – TRAY– Packing Method (LFBGA and PQFP)

ASE9	MPHL												
 HIC desiccant x 2  MBB Label  Inner box  Bubble Wrap  MSID sticker Scotch tape ASE 2D label Label Use Cardboard to fill space for partial box <table><tr><td>Inner box</td></tr><tr><td>Dimension</td></tr><tr><td>W x L x H (cm)</td></tr><tr><td>16.2x37.1x8.8</td></tr></table>	Inner box	Dimension	W x L x H (cm)	16.2x37.1x8.8	<table><tr><th>Pin 1 Orientation / Tray Bundling</th><th>Inner Box Packing</th></tr><tr><td> 1. Pin 1 Orientation – near tray chamfer 2. Tray Bundling > 10 full trays + 1 empty tray cover > PP Strapping: 3 crosswise & 1 lengthwise  3. Moisture Barrier Bag Labels  Open Side Desiccant (1.0 unit) HIC (Humidity Indicator Card) Desiccant (1.0 unit) Intermediate Barcode Label MSL (Caution) Label ESD Label (2x2) Intermediate Label </td><td> 4. Wrap bag with bubble pack  Bubble Sheet 5. Tray Box Packing  Open Side of Box Intermediate Label Inner Box Tray: 16.2x37.1x8.8 cm </td></tr></table><table><tr><td>Inner box</td></tr><tr><td>Dimension</td></tr><tr><td>W x L x H (cm)</td></tr><tr><td>16.2x37.1x8.8</td></tr></table>	Pin 1 Orientation / Tray Bundling	Inner Box Packing	1. Pin 1 Orientation – near tray chamfer 2. Tray Bundling > 10 full trays + 1 empty tray cover > PP Strapping: 3 crosswise & 1 lengthwise  3. Moisture Barrier Bag Labels  Open Side Desiccant (1.0 unit) HIC (Humidity Indicator Card) Desiccant (1.0 unit) Intermediate Barcode Label MSL (Caution) Label ESD Label (2x2) Intermediate Label	4. Wrap bag with bubble pack  Bubble Sheet 5. Tray Box Packing  Open Side of Box Intermediate Label Inner Box Tray: 16.2x37.1x8.8 cm	Inner box	Dimension	W x L x H (cm)	16.2x37.1x8.8
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Dimension													
W x L x H (cm)													
16.2x37.1x8.8													



QUALIFICATION PLAN SUMMARY

PCN #: CBOL- 24IDUQ273

**Date:
August 14, 2026**

**Qualification of MPHL as an additional final test site and scan and pack site for
AT91SAM9260B-CU, AT91SAM9G20B-CU-103, AT91SAM9G20B-CU,
AT91SAM9G20B-CU-999, AT91SAM9260B-CU-999 and AT91SAM9260B-QU catalog
part numbers (CPN) available in 217L LFBGA (15x15x1.4mm) and 208L PQFP
(28x28x3.37mm) packages.**



Purpose: Qualification of MPHL as an additional final test site and scan and pack site for AT91SAM9260B-CU, AT91SAM9G20B-CU-103, AT91SAM9G20B-CU, AT91SAM9G20B-CU-999, AT91SAM9260B-CU-999 and AT91SAM9260B-QU catalog part numbers (CPN) available in 217L LFBGA (15x15x1.4mm) and 208L PQFP (28x28x3.37mm) packages.

CCB No.: 8492

Test Name	Test Conditions	Sample Size	Qty of Lots	Fail/Accept Criteria
Bin and Yield Comparison	Test 1 lot from the identified qual vehicle to the destination location vs. 1-year accumulated tested lots in existing location	Qual lot minimum of 3000 units	1 lot from MPHL vs total of 26 lots from ASE9	Qual lot yield distribution is within the historical production yield distribution.