Product Change Notification: JPZA-23RSFO779

Date:

01-Sep-2026

Product Category:

32-Bit Microprocessors

Notification Subject:

CCB 8466 Initial Notice: Qualification of MPHL as an additional final test site and additional scan and pack site for selected AT91SAM9G20, AT91SAM9RL64, AT91SAM9261, ATSAMA5D23, ATSAMA5D22, ATSAMA5D21 and ATSAMA5D225C-D1M device families available in various packages.

Affected CPNs:

JPZA-23RSFO779_Affected_CPN_09012026.pdf
JPZA-23RSFO779_Affected_CPN_09012026.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 additional scan and pack site for selected AT91SAM9G20, AT91SAM9RL64, AT91SAM9261, ATSAMA5D23, ATSAMA5D22, ATSAMA5D21 and ATSAMA5D225C-D1M device families available in various 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 (Phils.) Corp. (MPHL)	Yes
Scan and Pack Site	ASE Test (ASE9)	ASE Test (ASE9)	Microchip Technology Operations (Phils.) Corp. (MPHL)	Yes
Packing Material/Method	See Pre and Post Change Comparison for Summary			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 additional scan and pack site.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: September 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			
Work Week	36	37	38	39
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 01, 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_JPZA-23RSFO779_Pre_and_Post_Change_Summary-196L TFBGA 11x11x1.2mm.pdf
PCN_JPZA-23RSFO779_Pre_and_Post_Change_Summary-217L LFBGA 15x15x1.4mm.pdf
PCN_JPZA-23RSFO779_Pre_and_Post_Change_Summary-247L TFBGA 10x10x1.1mm.pdf
PCN_JPZA-23RSFO779_Qualification_Plan.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.

JPZA-23RSFO779 - CCB 8466 Initial Notice: Qualification of MPHL as an additional final test site and additional scan and pack site for selected AT91SAM9G20, AT91SAM9RL64, AT91SAM9261, ATSAMA5D23, ATSAMA5D22, ATSAMA5D21 and ATSAMA5D225C-D1M device families available in various packages.

Affected Catalog Part Numbers (CPN):

AT91SAM9G20B-CU

AT91SAM9G20B-CU-999

AT91SAM9RL64-CU

AT91SAM9261B-CU

AT91SAM9261B-CU-999

AT91SAM9261B-CU-240

AT91SAM9261B-CUR-240

AT91SAM9G20B-CFU

AT91SAM9G20B-CU-103

ATSAMA5D23C-CN

ATSAMA5D23C-CNR

ATSAMA5D22C-CN

ATSAMA5D22C-CNR

ATSAMA5D21C-CU

ATSAMA5D21C-CUR

ATSAMA5D23C-CU

ATSAMA5D23C-CUR

ATSAMA5D225C-D1M-CU

ATSAMA5D225C-D1M-CUR

ATSAMA5D22C-CU

ATSAMA5D22C-CUR

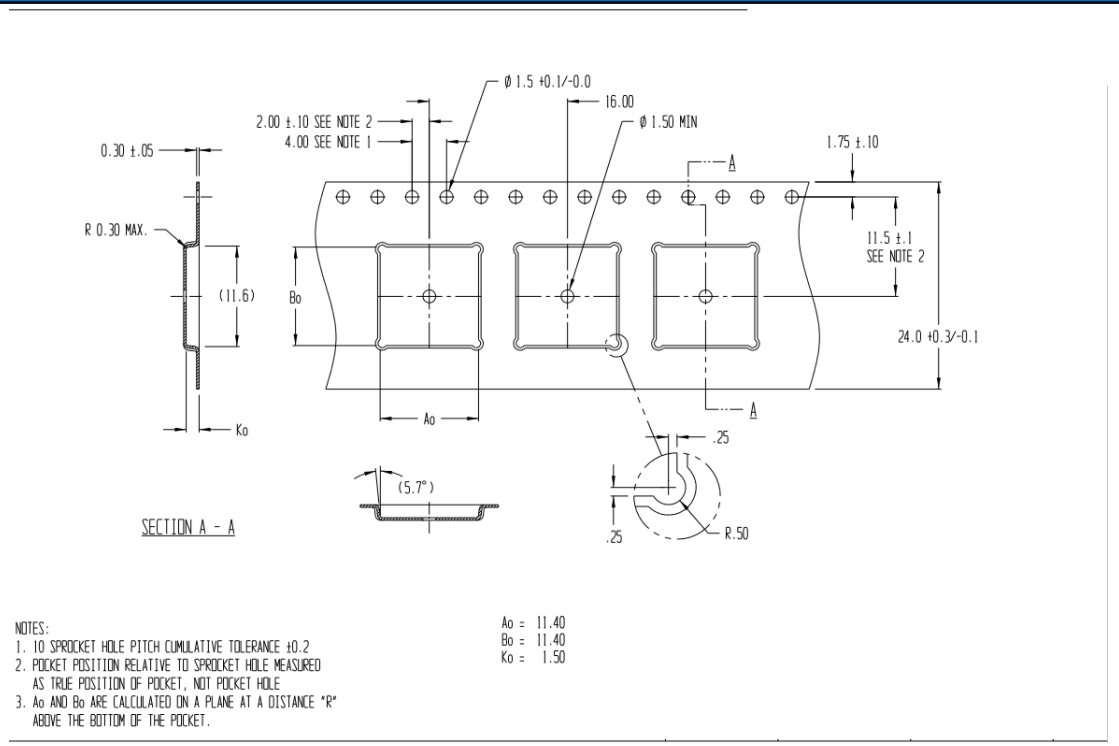
CCB 8466
Pre and Post Change Summary
PCN #: JPZA-23RSFO779



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

CARRIER TAPE – 196L TFBGA 11x11x1.2mm

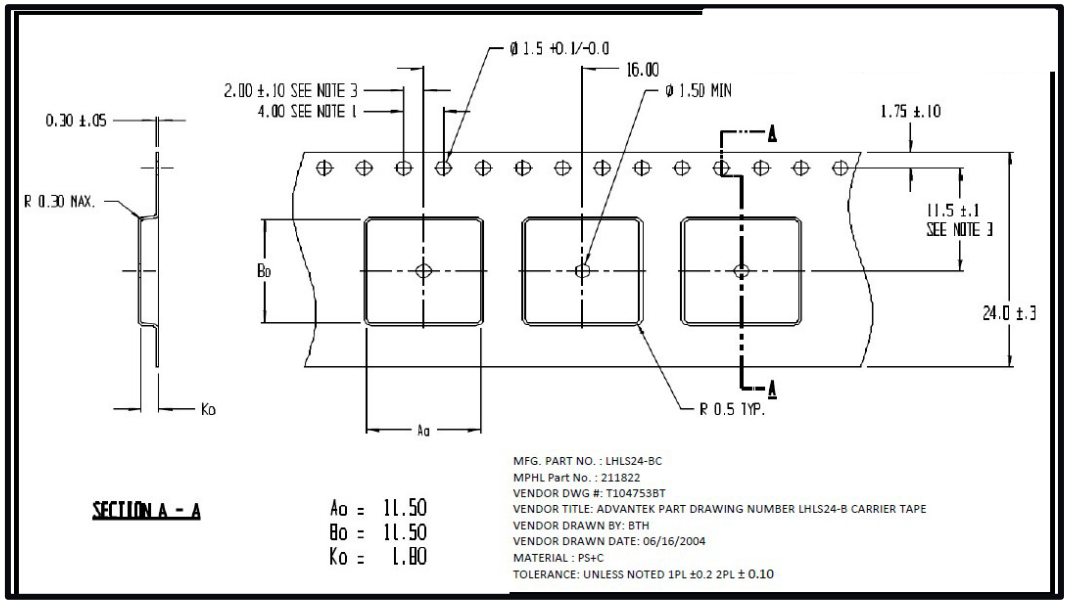
ASE9



NOTES:
1. 10 SPROCKET HOLE PITCH CUMULATIVE TOLERANCE ±0.2
2. POCKET POSITION RELATIVE TO SPROCKET HOLE MEASURED AS TRUE POSITION OF POCKET, NOT POCKET HOLE
3. Ao AND Bo ARE CALCULATED ON A PLANE AT A DISTANCE "R" ABOVE THE BOTTOM OF THE POCKET.

Ao = 11.40
Bo = 11.40
Ko = 1.50

MPHL



Ao = 11.50
Bo = 11.50
Ko = 1.80

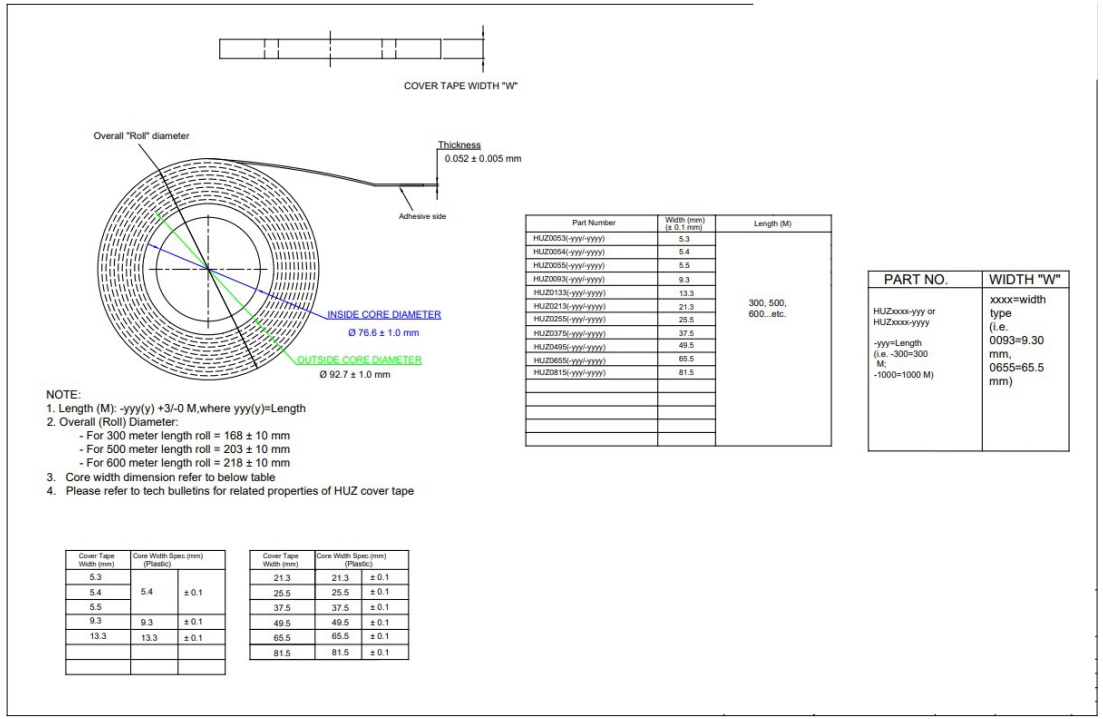
MFG. PART NO. : LHLS24-BC
MPHL Part No. : 211822
VENDOR DWG #: T104753BT
VENDOR TITLE: ADVANTEK PART DRAWING NUMBER LHLS24-B CARRIER TAPE
VENDOR DRAWN BY: BTH
VENDOR DRAWN DATE: 06/16/2004
MATERIAL : PS+C
TOLERANCE: UNLESS NOTED 1PL ±0.2 2PL ± 0.10

Plant	W (mm)	P (mm)	A0 (mm)	B0 (mm)	K0 (mm)	Thickness (mm)
ASE9	24.00+0.3/-0.1	16.00±0.1	11.40±0.1	11.40±0.1	1.50±0.1	0.30±0.05
MPHL	24.00+0.3/-0.1	16.00±0.1	11.50±0.1	11.50±0.1	1.80±0.1	0.30±0.05

MICROCHIP

COVER TAPE – 196L TFBGA 11x11x1.2mm

ASE9



NOTE:
1. Length (M): -yyy(y) +3/-0 M,where yyy(y)=Length
2. 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
3. Core width dimension refer to below table
4. Please refer to tech bulletins for related properties of HUZ cover tape

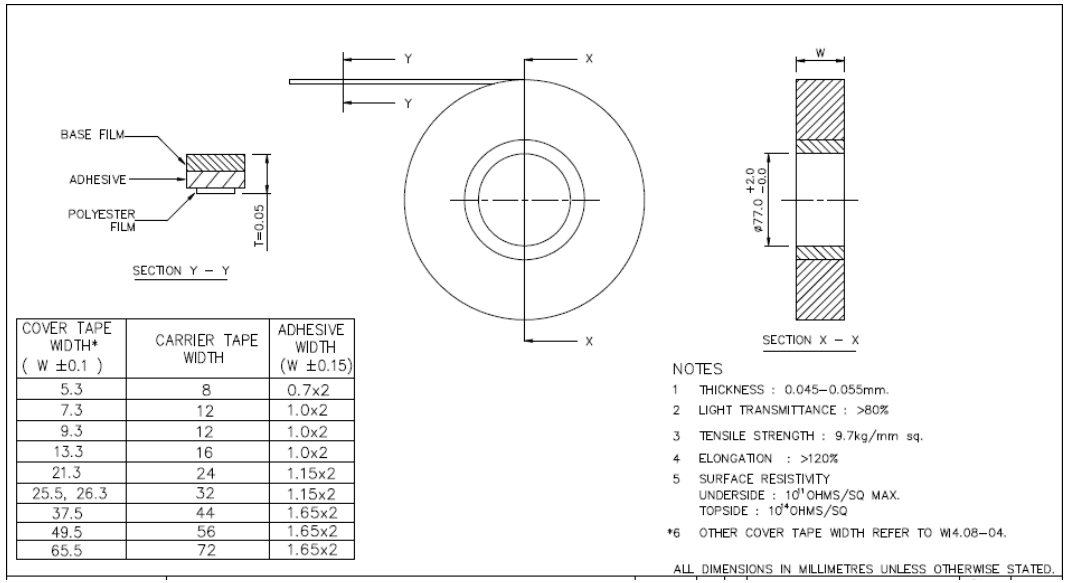
Part Number	Width (mm) (± 0.1 mm)	Length (M)
HUZ0053(-yyy/-yyyy)	5.3	300, 500, 600...etc.
HUZ0054(-yyy/-yyyy)	5.4	
HUZ0055(-yyy/-yyyy)	5.5	
HUZ0093(-yyy/-yyyy)	9.3	
HUZ0133(-yyy/-yyyy)	13.3	
HUZ0213(-yyy/-yyyy)	21.3	
HUZ0255(-yyy/-yyyy)	25.5	
HUZ0375(-yyy/-yyyy)	37.5	
HUZ0495(-yyy/-yyyy)	49.5	
HUZ0655(-yyy/-yyyy)	65.5	
HUZ0815(-yyy/-yyyy)	81.5	

PART NO.	WIDTH "W"
HUZxxxx-yyy or HUZxxxx-yyyy -yyy=Length (i.e. -300=300 M; -1000=1000 M)	xxxx=width type (i.e. 0093=9.30 mm, 0655=65.5 mm)

Cover Tape Width (mm)	Core Width Spec.(mm) (Plastic)	
5.3	5.4	± 0.1
5.4		
5.5		
9.3	9.3	± 0.1
13.3	13.3	± 0.1

Cover Tape Width (mm)	Core Width Spec.(mm) (Plastic)	
21.3	21.3	± 0.1
25.5	25.5	± 0.1
37.5	37.5	± 0.1
49.5	49.5	± 0.1
65.5	65.5	± 0.1
81.5	81.5	± 0.1

MPHL



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 : 10^{1} OHMS/SQ MAX.
TOPSIDE : 10^{4} OHMS/SQ
*6 OTHER COVER TAPE WIDTH REFER TO WI4.08–04.

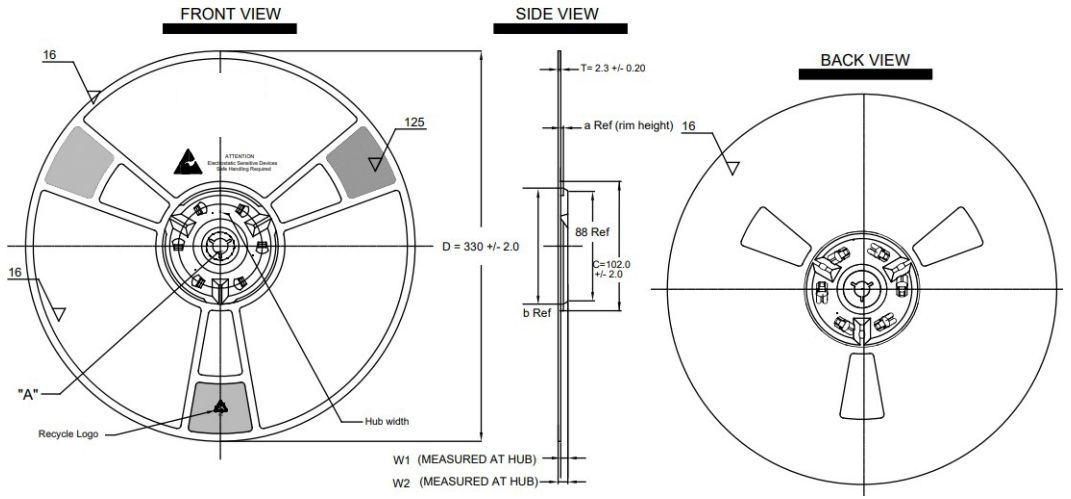
ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

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

MICROCHIP

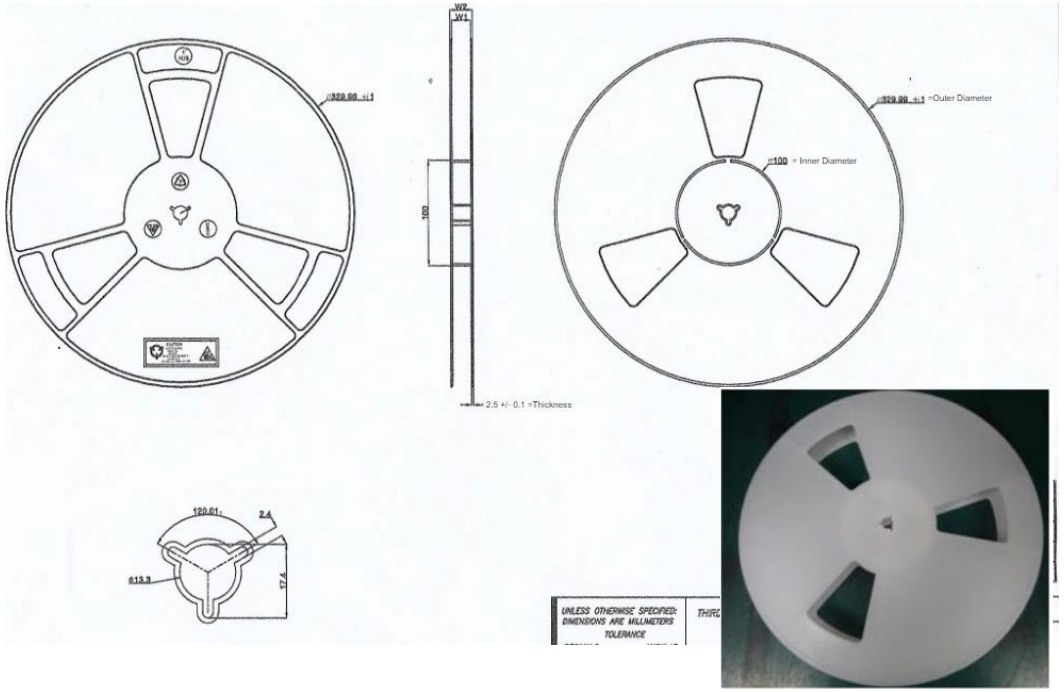
PLASTIC REEL – 196L TFBGA 11x11x1.2mm

ASE9



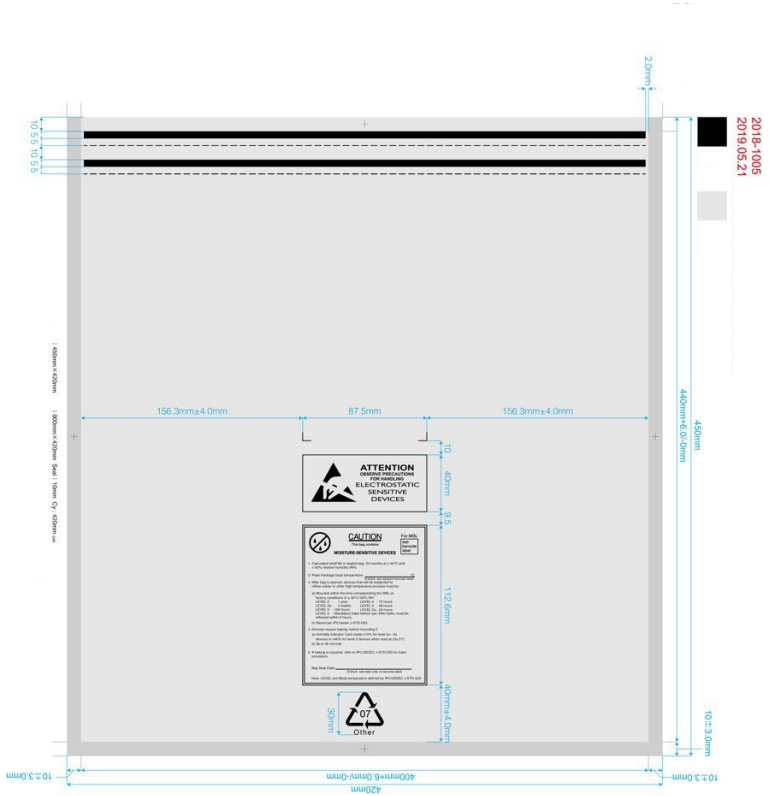
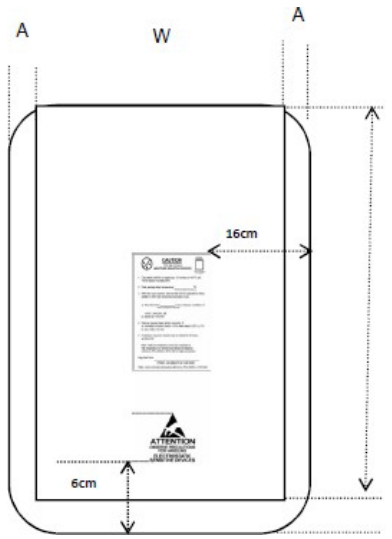


MPHL



Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
ASE9	330 ±2	102.0 ±2	22.2	WHITE
MPHL	330 ±2	100 ±2.0	21.5+1.0/-0	White

Bag – 196L TFBGA 11x11x1.2mm

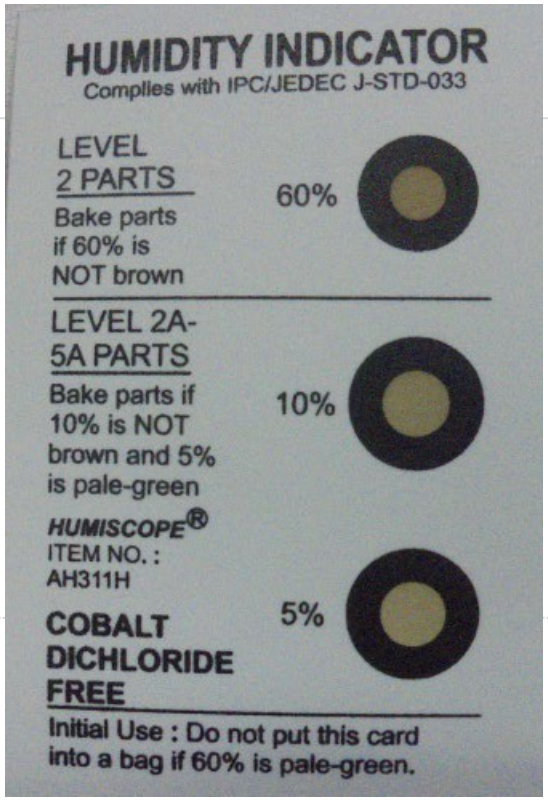
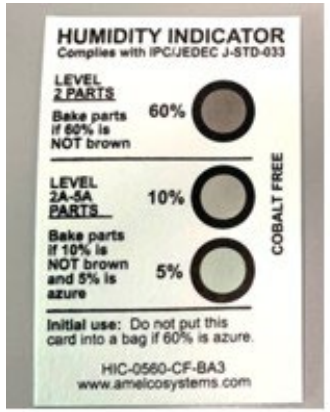
ASE9	MPHL
	 

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

Desiccant – 196L TFBGA 11x11x1.2mm

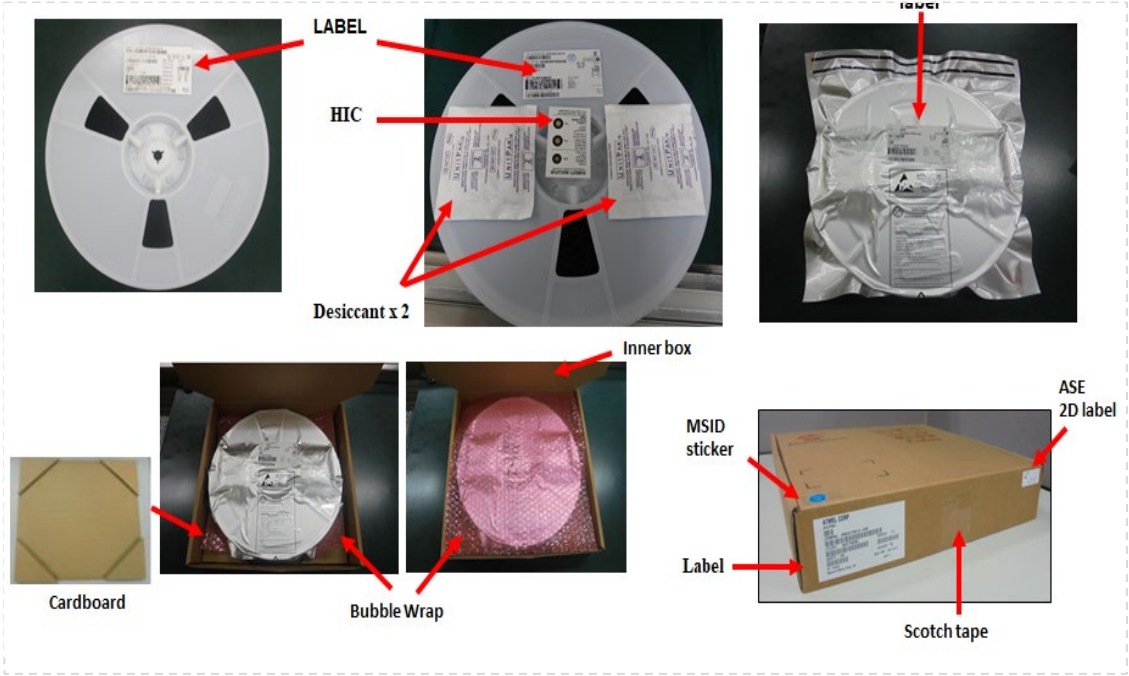
ASE9	MPHL
 Desiccant each unit is 66 g	 OR  Desiccant each unit is 33g

Humidity Indicator Card (HIC) – 196L TFBGA 11x11x1.2mm

ASE9	MPHL
	 OR 
▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free	▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free

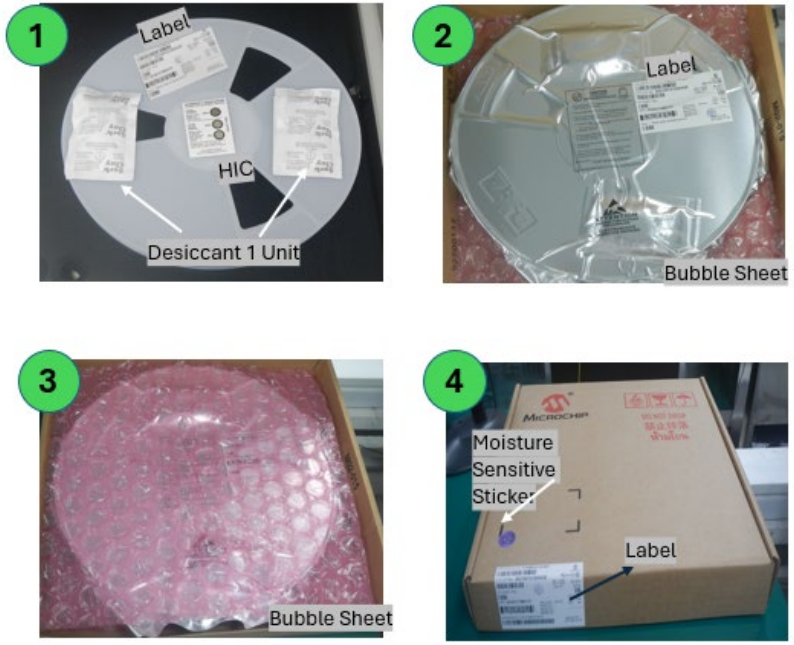
Tape and Reel - 196L TFBGA 11X11X1.2mm (MSL-3)

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

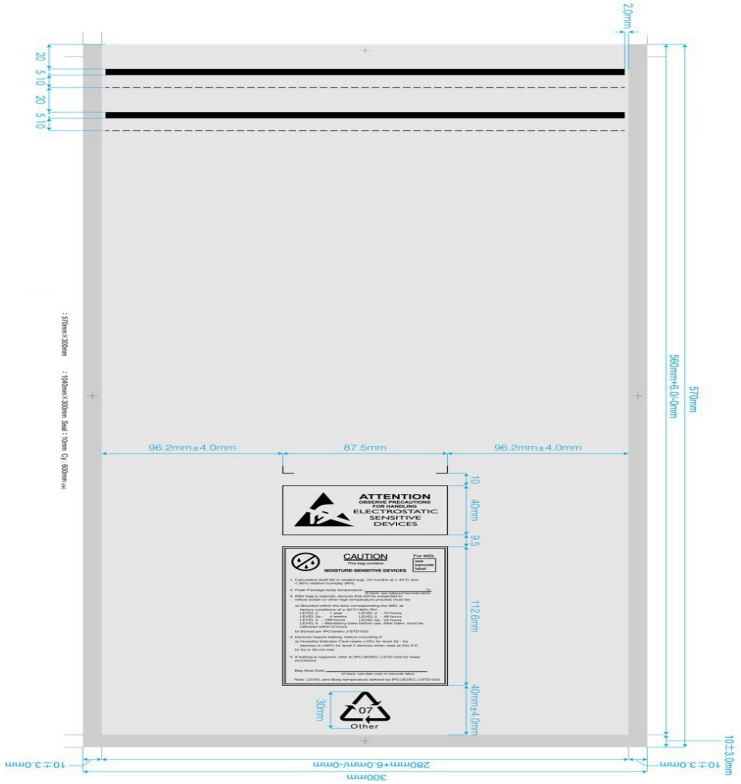
Plant	MSL Level	Desiccant	Humidity Indicator Card
ASE9	MSL-3	2 units	1 pc
MPHL	MSL-3	2 units	1 pc

Note: Baking Condition refer PI-91268-001

MICROCHIP

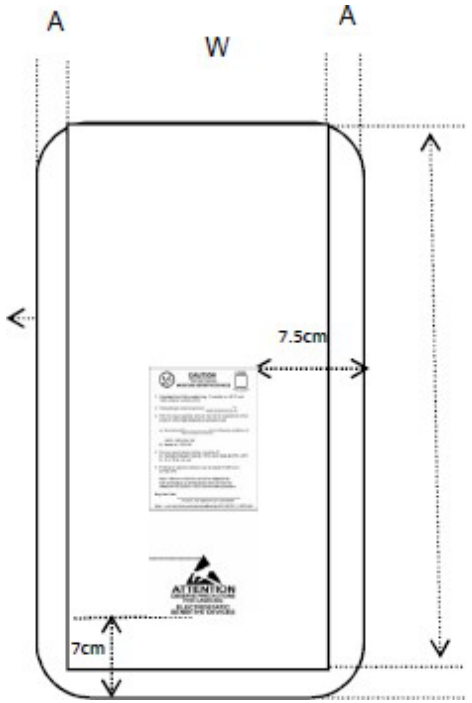
TRAY Bag – 196L TFBGA 11x11x1.2mm

ASE9





MPHL

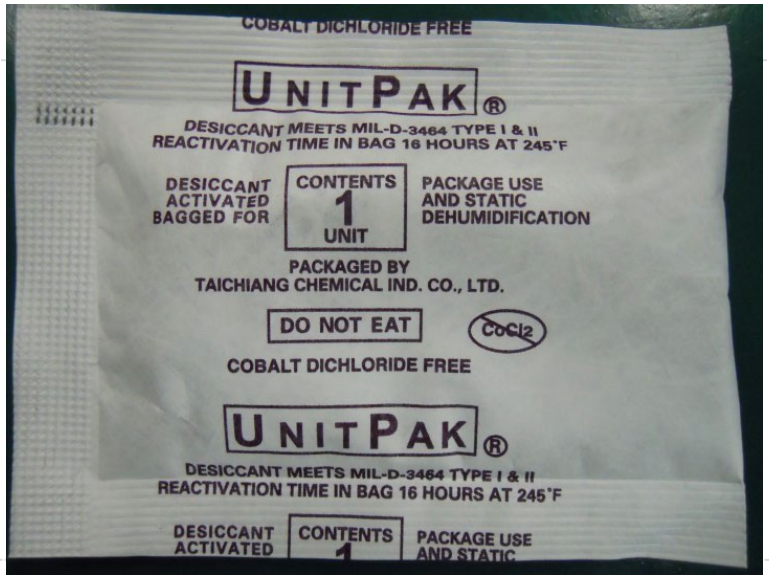




Plant	Moisture Sensitivity Level	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASE9	MSL- 3	Moisture Barrier Bag	570 +6/-0	300 +6/-0	0.18
MPHL	MSL- 3	Moisture Barrier Bag	482±5mm	228±5mm	0.15+/-10%

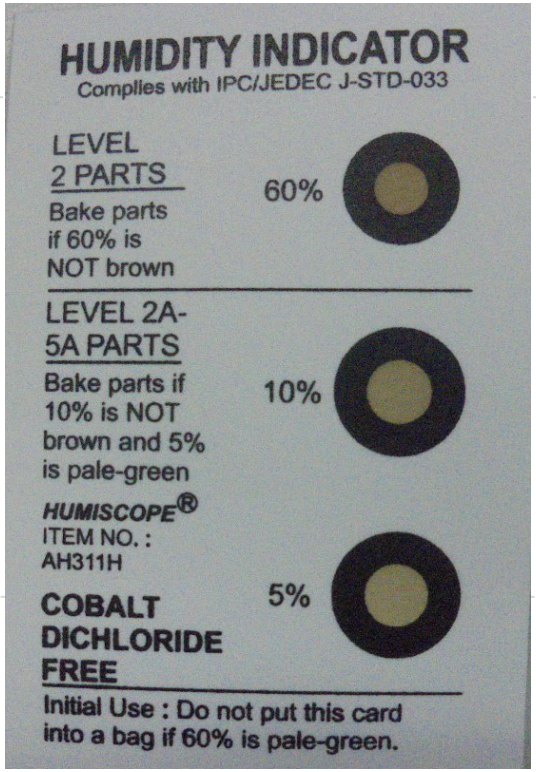
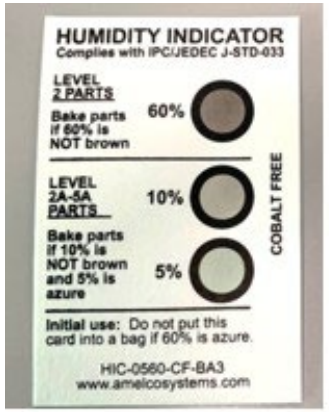
MICROCHIP

TRAY Desiccant – 196L TFBGA 11x11x1.2mm

ASE9	MPHL
	 OR 
Desiccant each unit is 33 g	Desiccant each unit is 33g

MICROCHIP

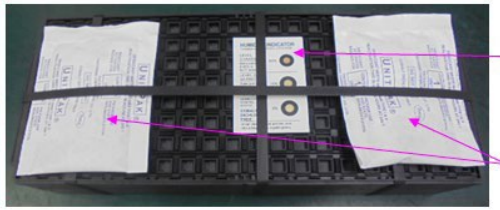
TRAY Humidity Indicator Card (HIC) – 196L TFBGA 11x11x1.2mm

ASE9	MPHL
	 OR 
▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free	▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free

TRAY Packing Method for Dry Pack (MSL-3) – 196L TFBGA 11x11x1.2mm

ASE9





MBB Label







Use Cardboard to fill space for partial box

Inner box Bubble Wrap



Inner box
Dimension W x L x H (cm)
16.2x37.1x8.8

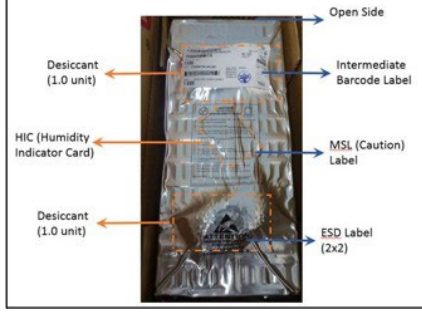
MPHL

Pin 1 Orientation / Tray Bundling

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



Inner Box Packing

4. Wrap bag with bubble pack



5. Tray Box Packing



Inner Box Tray: 16.2x37.1x8.8 cm

Inner box
Dimension W x L x H (cm)
16.2x37.1x8.8

Plant	MSL Level	Desiccant	Humidity Indicator Card
ASE9	MSL-3	2 units	1 pc
MPHL	MSL-3	2 units	1 pc

MICROCHIP

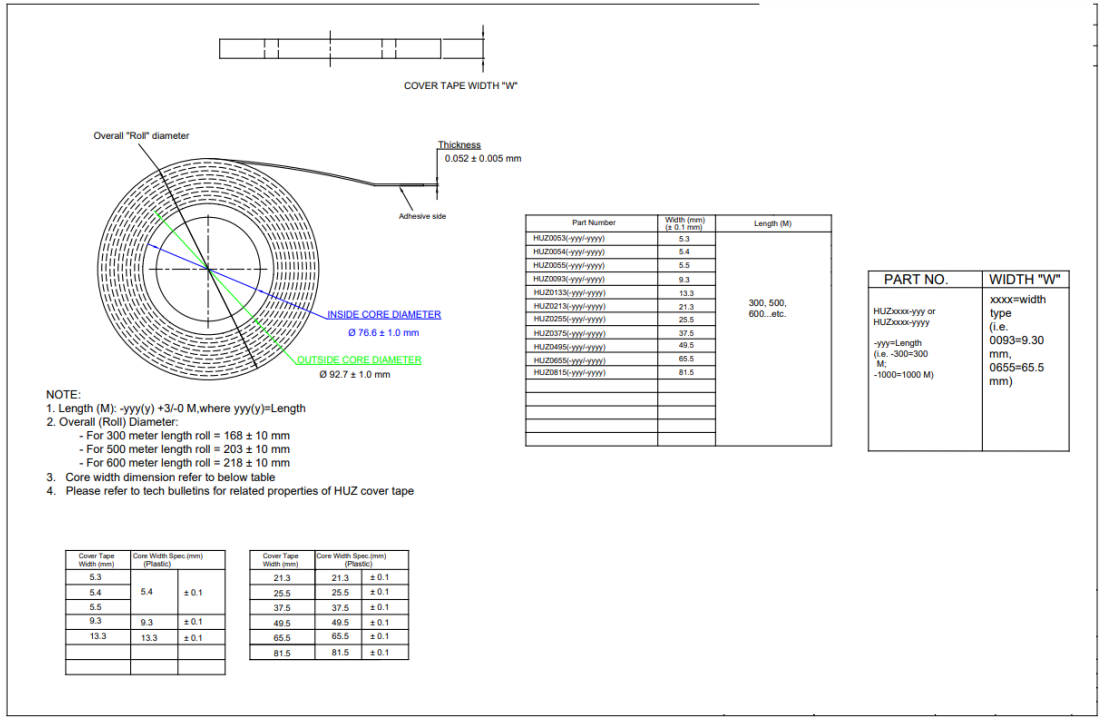
CCB 8466
Pre and Post Change Summary
PCN #: JPZA-23RSFO779



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

COVER TAPE - 217L LFBGA 15x15x1.4mm

ASE9



NOTE:
1. Length (M): -yyy(y) +3/-0 M,where yyy(y)=Length
2. 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
3. Core width dimension refer to below table
4. Please refer to tech bulletins for related properties of HUZ cover tape

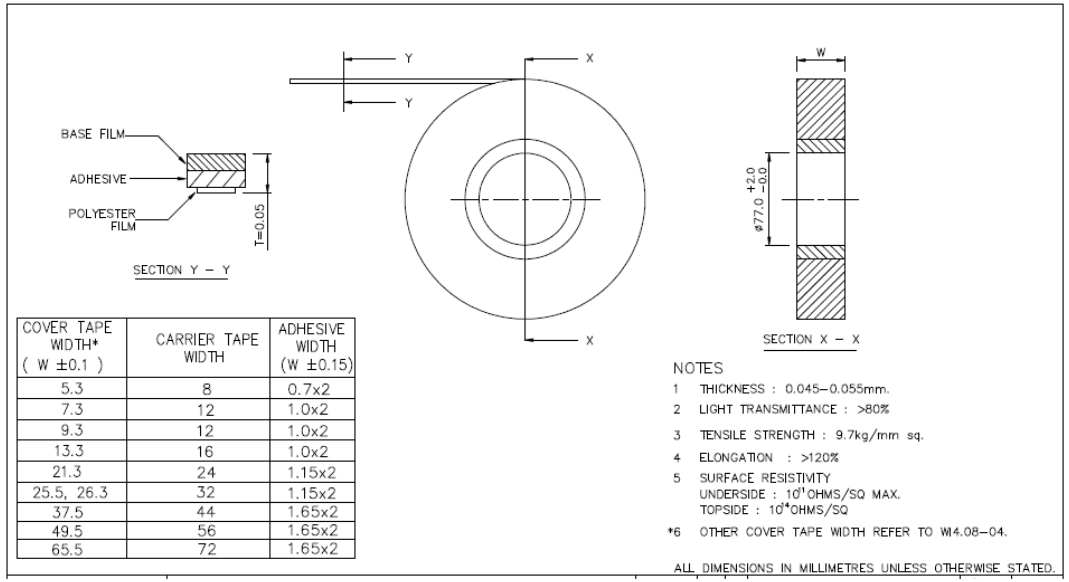
Part Number	Width (mm) (± 0.1 mm)	Length (M)
HUZ0053(-yyy/-yyyy)	5.3	300, 500, 600...etc.
HUZ0054(-yyy/-yyyy)	5.4	
HUZ0055(-yyy/-yyyy)	5.5	
HUZ0093(-yyy/-yyyy)	9.3	
HUZ0133(-yyy/-yyyy)	13.3	
HUZ0213(-yyy/-yyyy)	21.3	
HUZ0255(-yyy/-yyyy)	25.5	
HUZ0375(-yyy/-yyyy)	37.5	
HUZ0495(-yyy/-yyyy)	49.5	
HUZ0655(-yyy/-yyyy)	65.5	
HUZ0815(-yyy/-yyyy)	81.5	

PART NO.	WIDTH "W"
HUZxxxx-yyy or HUZxxxx-yyyy -yyy=Length (i.e. -300=300 M; -1000=1000 M)	xxxx=width type (i.e. 0093=9.30 mm, 0655=65.5 mm)

Cover Tape Width (mm)	Core Width Spec.(mm) (Plastic)	
5.3	5.4	± 0.1
5.4		
5.5		
9.3	9.3	± 0.1
13.3	13.3	± 0.1

Cover Tape Width (mm)	Core Width Spec.(mm) (Plastic)	
21.3	21.3	± 0.1
25.5	25.5	± 0.1
37.5	37.5	± 0.1
49.5	49.5	± 0.1
65.5	65.5	± 0.1
81.5	81.5	± 0.1

MPHL



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 : 10^{1} OHMS/SQ MAX.
TOPSIDE : 10^{4} OHMS/SQ
*6 OTHER COVER TAPE WIDTH REFER TO WI4.08–04.

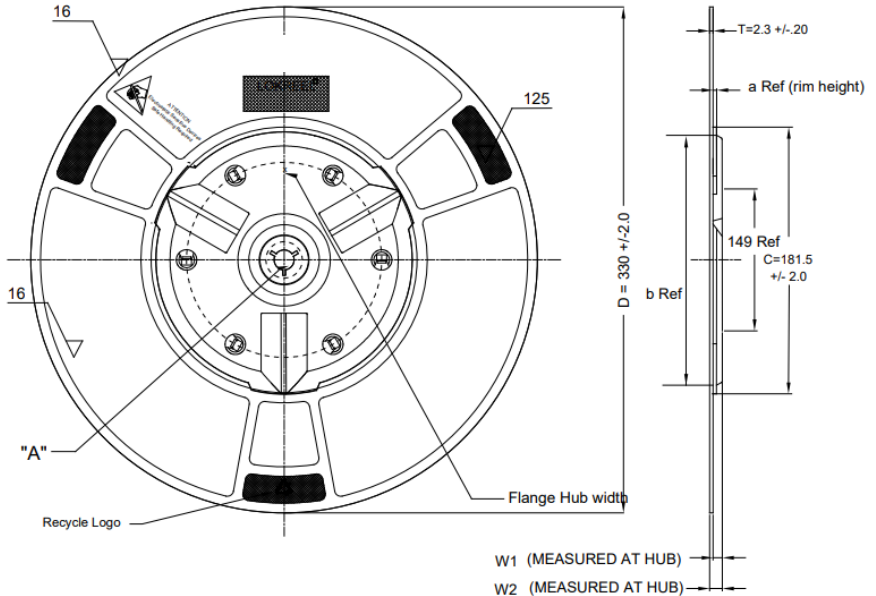
ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

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

MICROCHIP

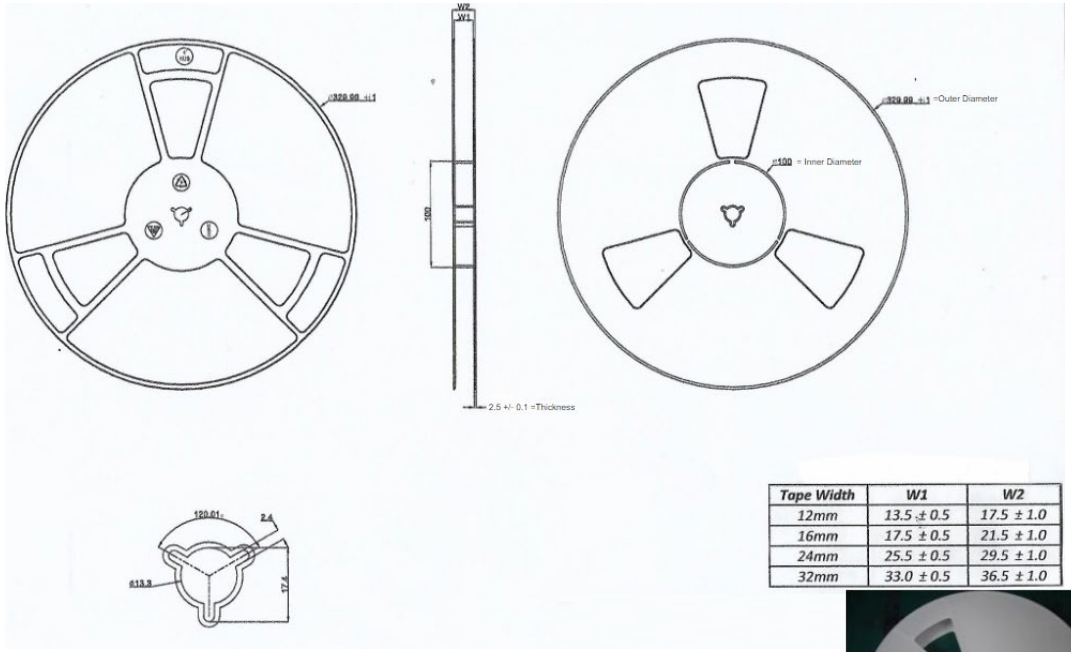
PLASTIC REEL - 217L LFBGA 15x15x1.4mm

ASE9





MPHL



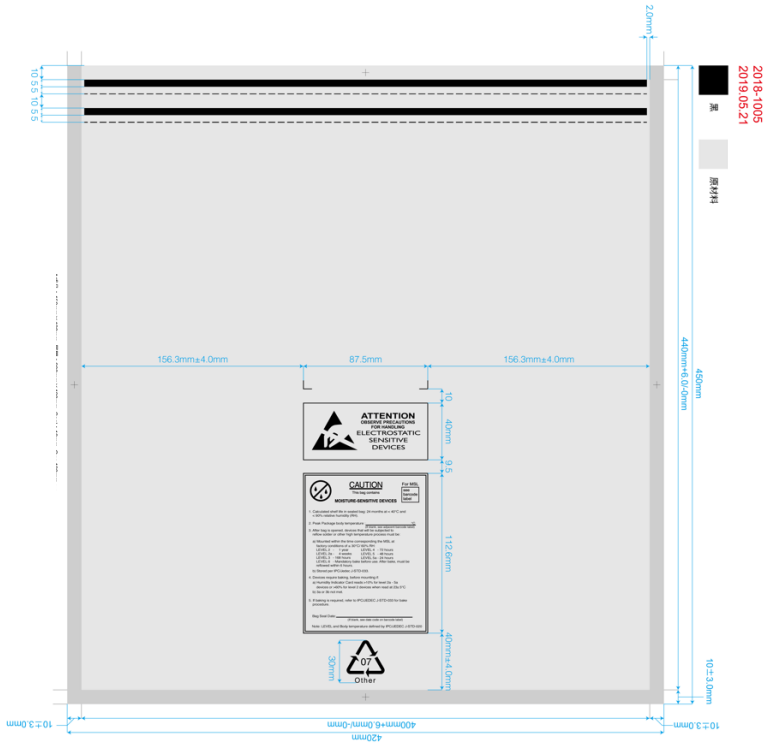
Tape Width	W1	W2
12mm	13.5 ±0.5	17.5 ±1.0
16mm	17.5 ±0.5	21.5 ±1.0
24mm	25.5 ±0.5	29.5 ±1.0
32mm	33.0 ±0.5	36.5 ±1.0



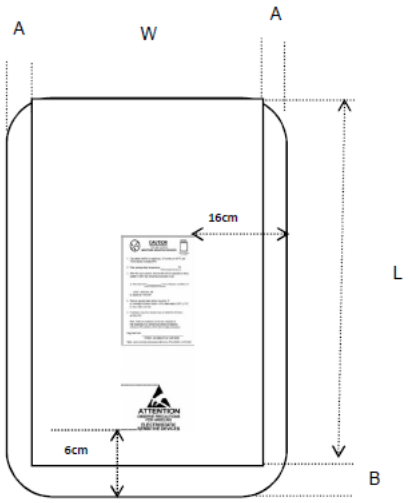
Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
ASE9	330 ±2	181.5 ±2	22.2	WHITE
MPHL	330 ±2	100 ±2.0	29.5+1.0/-0	White

Bag - 217L LFBGA 15x15x1.4mm

ASE9



MPHL



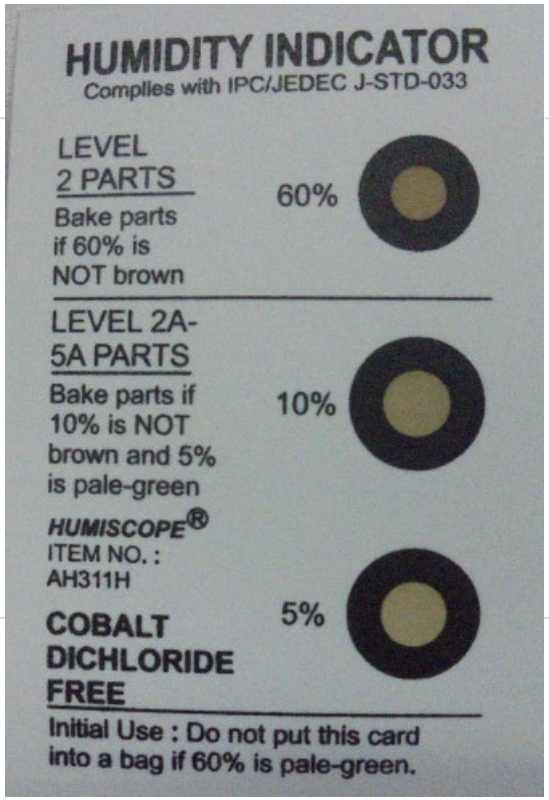
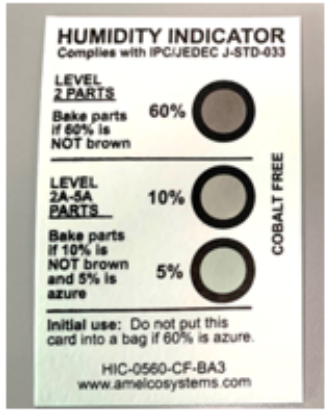
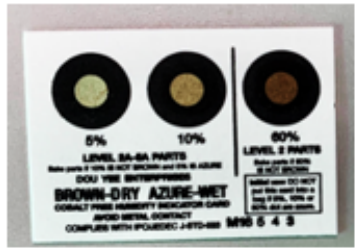


Plant	Bag type	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASE9	MSL- 3	Moisture Barrier Bag	450 +6/-0	420 +6/-0	0.18
MPHL	MSL- 3	Moisture Barrier Bag	432±5mm	406±5mm	0.15+/-10mm

Desiccant - 217L LFBGA 15x15x1.4mm

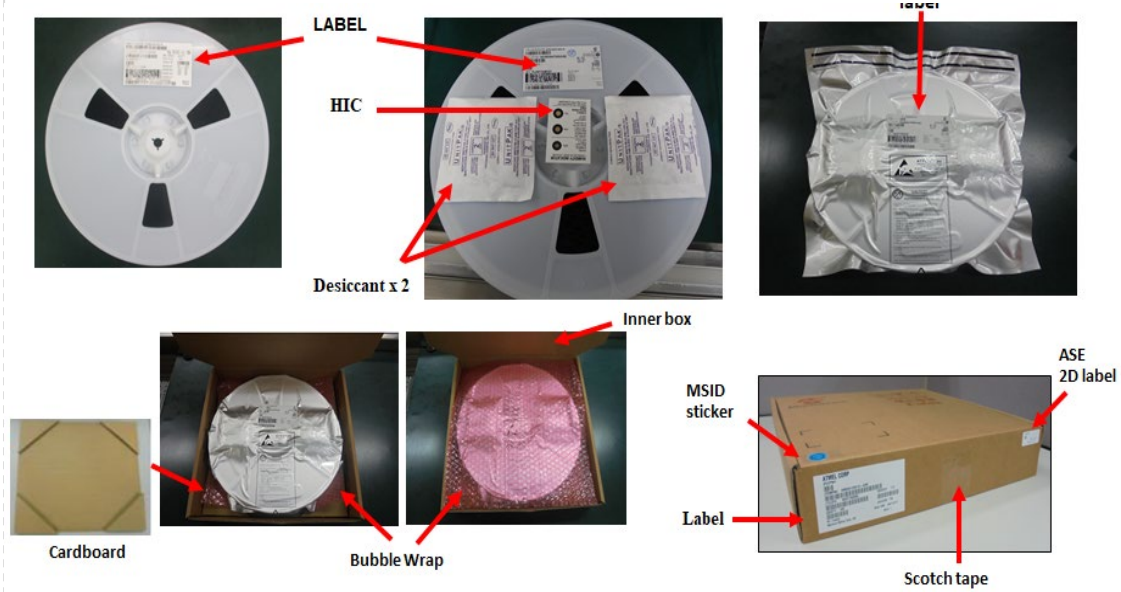
ASE9	MPHL
 Desiccant each unit is 66 g	 OR  Desiccant each unit is 33g

Humidity Indicator Card (HIC) - 217L LFBGA 15x15x1.4mm

ASE9	MPHL
	 OR 
▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free	▪ 3 Dots (5%, 10%, 60%) ▪ Cobalt Free

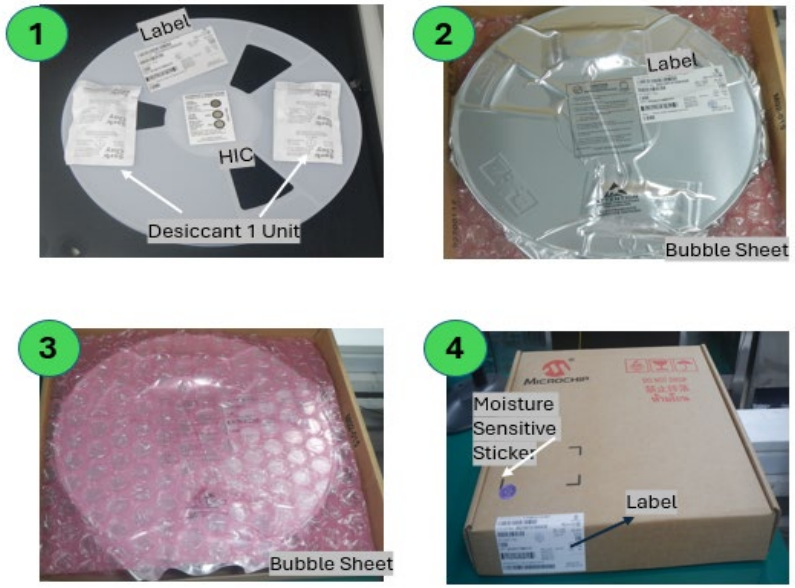
Tape and Reel Packing Method - 217L LFBGA 15x15x1.4mm (MSL-3)

ASE9



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

MPHL



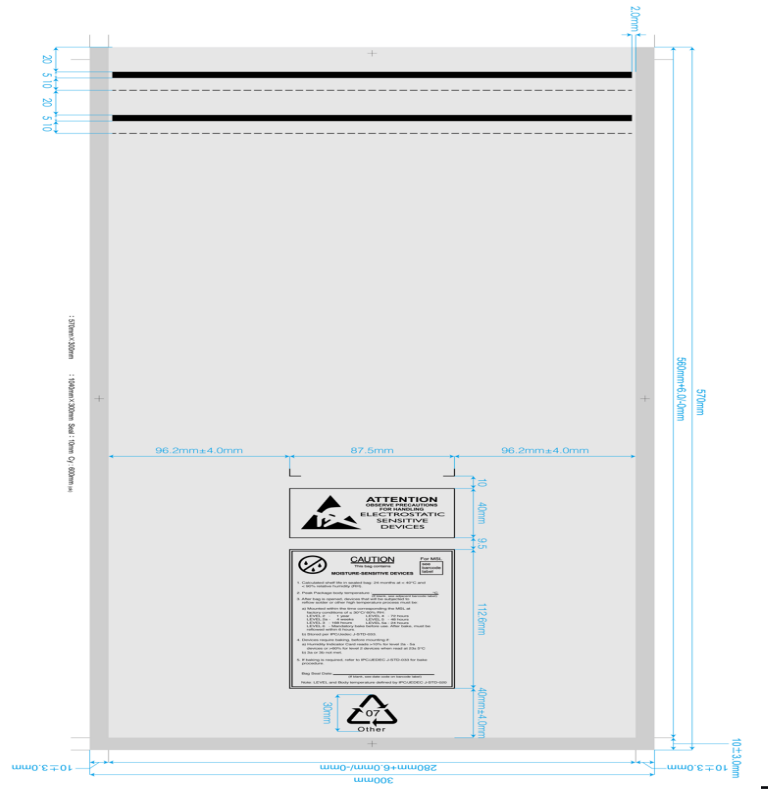
Inner box
Dimension W x L x H (cm)
37x35.3x7.7

Plant	MSL Level	Desiccant	Humidity Indicator Card
ASE9	MSL-3	2 units	1 pc
MPHL	MSL-3	2 units	1 pc

MICROCHIP

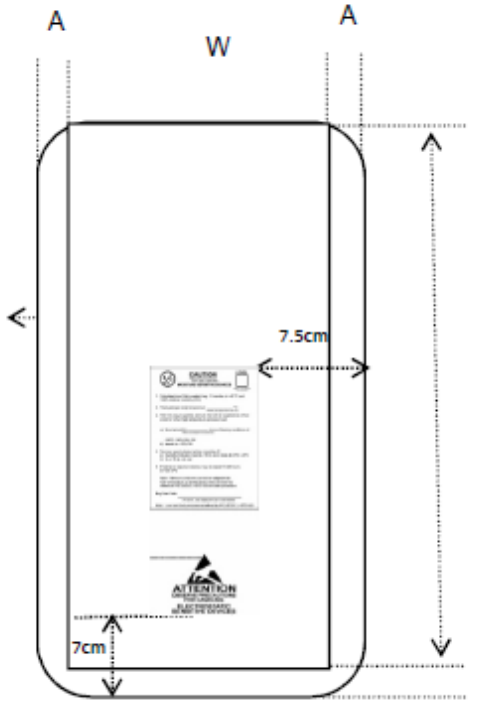
TRAY Bag - 217L LFBGA 15x15x1.4mm

ASE9





MPHL

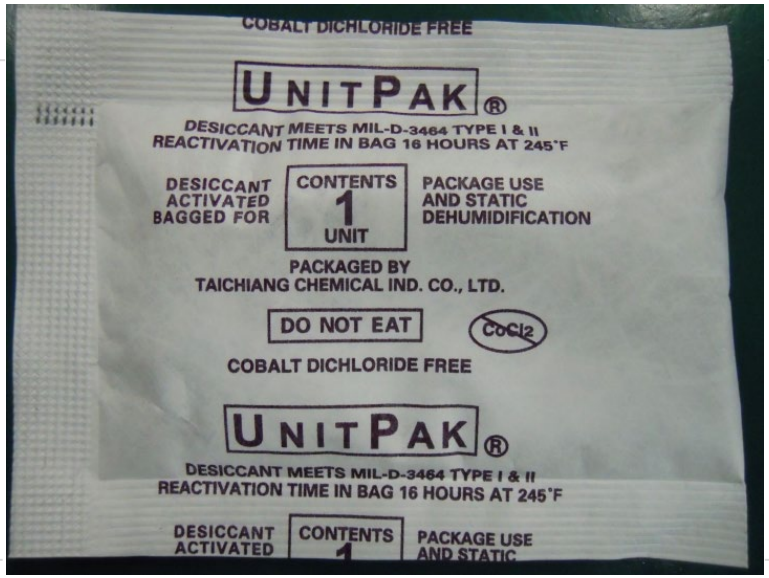




Plant	Moisture Sensitivity Level	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASE9	MSL- 3	Moisture Barrier Bag	570 +6/-0	300 +6/-0	0.18
MPHL	MSL- 3	Moisture Barrier Bag	482±5mm	228±5mm	0.15+/-10%

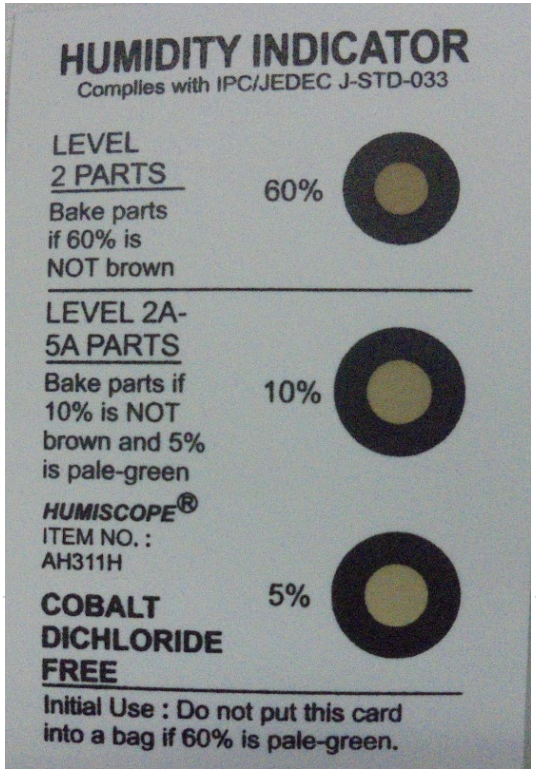
MICROCHIP

TRAY Desiccant - 217L LFBGA 15x15x1.4mm

ASE9	MPHL
	 OR 
Desiccant each unit is 33 g	Desiccant each unit is 33g

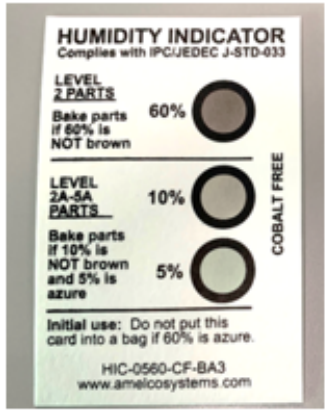
TRAY Humidity Indicator Card (HIC) - 217L LFBGA 15x15x1.4mm

ASE9

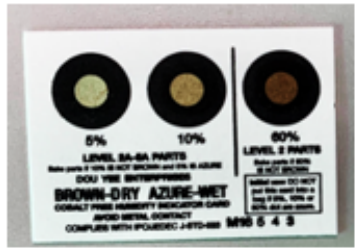


- 3 Dots (5%, 10%, 60%)
- Cobalt Free

MPHL



OR



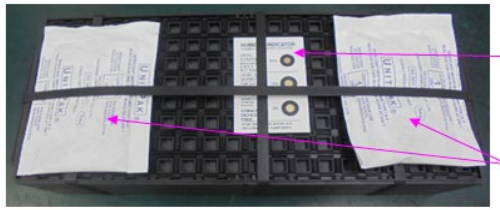
- 3 Dots (5%, 10%, 60%)
- Cobalt Free

MICROCHIP

TRAY Packing Method for Dry Pack (MSL-3) - 217L LFBGA 15x15x1.4mm

ASE9





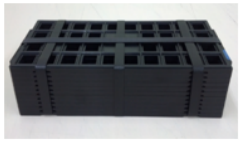






Inner box
Dimension W x L x H (cm)
16.2x37.1x8.8

MPHL

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 	4. Wrap bag with bubble pack  5. Tray Box Packing  **Inner Box Tray: 16.2x37.1x8.8 cm**

Inner box
Dimension W x L x H (cm)
16.2x37.1x8.8

Plant	MSL Level	Desiccant	Humidity Indicator Card
ASE9	MSL-3	2 units	1 pc
MPHL	MSL-3	2 units	1 pc

MICROCHIP

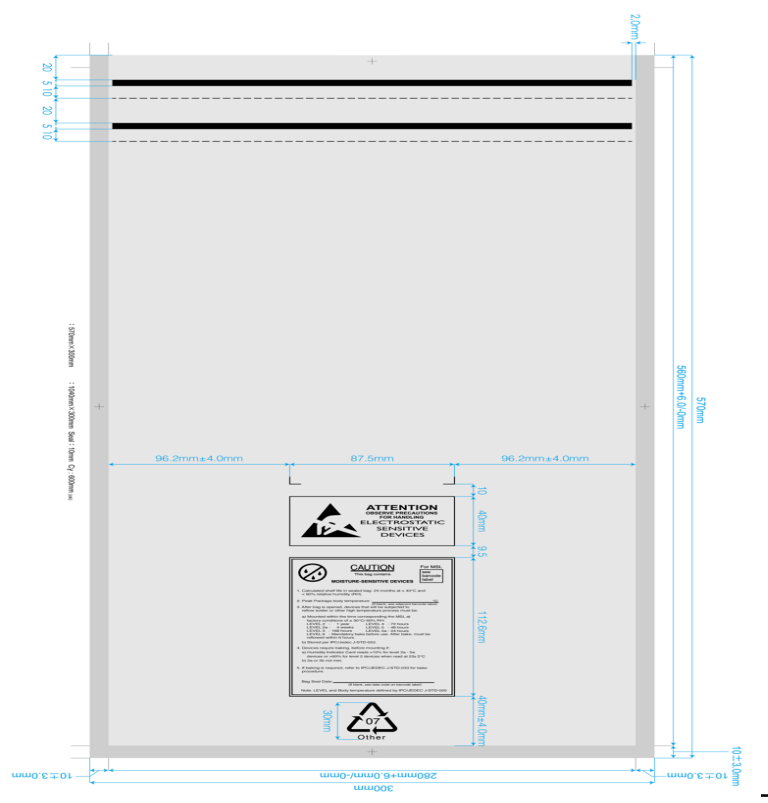
CCB 8466
Pre and Post Change Summary
PCN #: JPZA-23RSFO779



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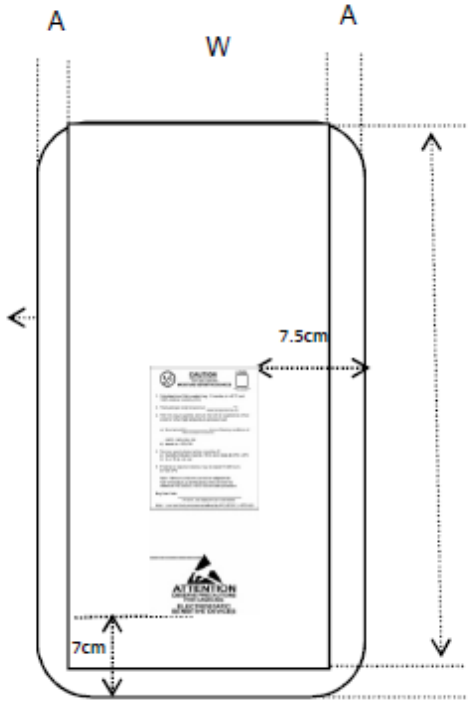
TRAY Bag - 247L TFBGA 10x10x1.1mm

ASE9





MPHL

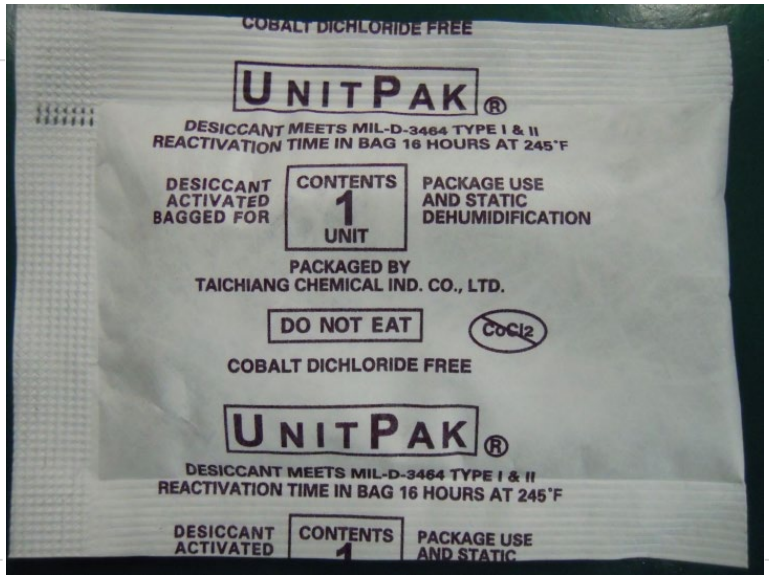




Plant	Moisture Sensitivity Level	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASE9	MSL- 3	Moisture Barrier Bag	570 +6/-0	300 +6/-0	0.18
MPHL	MSL- 3	Moisture Barrier Bag	482±5mm	228±5mm	0.15+/-10%

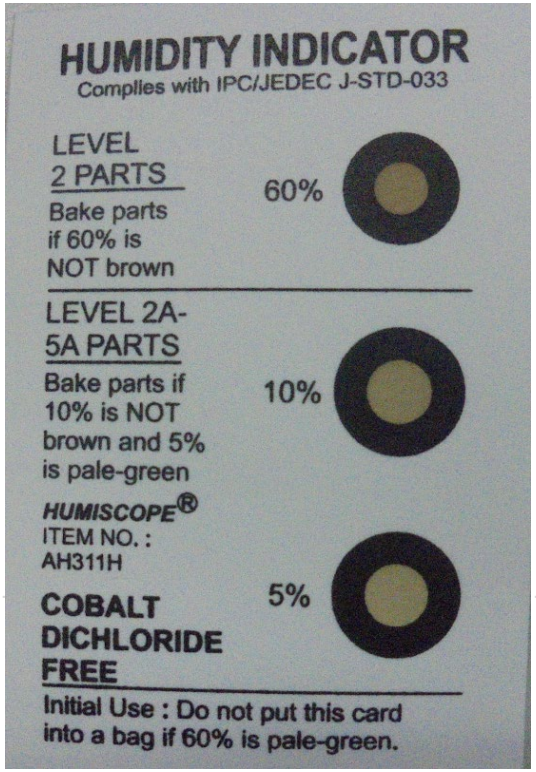
MICROCHIP

TRAY Desiccant - 247L TFBGA 10x10x1.1mm

ASE9	MPHL
 Desiccant each unit is 33 g	 OR  Desiccant each unit is 33g

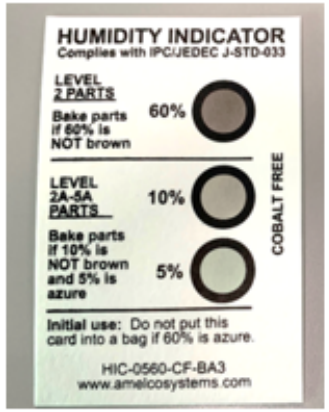
TRAY Humidity Indicator Card (HIC) - 247L TFBGA 10x10x1.1mm

ASE9

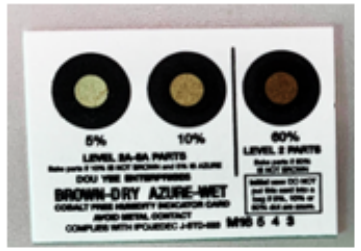


- 3 Dots (5%, 10%, 60%)
- Cobalt Free

MPHL



OR

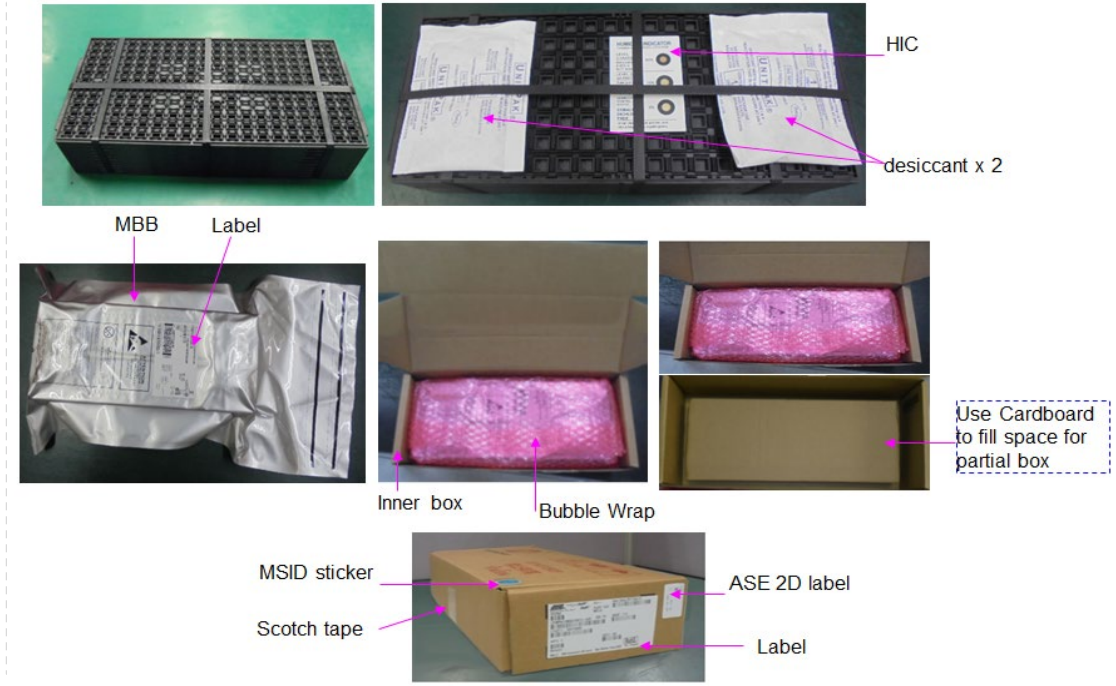


- 3 Dots (5%, 10%, 60%)
- Cobalt Free

MICROCHIP

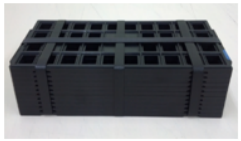
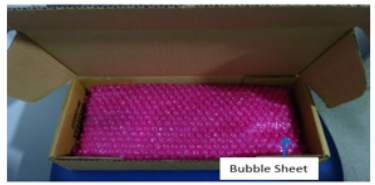
TRAY Packing Method for Dry Pack (MSL-3) - 247L TFBGA 10x10x1.1mm

ASE9



Inner box
Dimension W x L x H (cm)
16.2x37.1x8.8

MPHL

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 	4. Wrap bag with bubble pack  5. Tray Box Packing  **Inner Box Tray: 16.2x37.1x8.8 cm**

Inner box
Dimension W x L x H (cm)
16.2x37.1x8.8

Plant	MSL Level	Desiccant	Humidity Indicator Card
ASE9	MSL-3	2 units	1 pc
MPHL	MSL-3	2 units	1 pc

MICROCHIP

QUALIFICATION PLAN SUMMARY

PCN #: JPZA-23RSFO779

Date:
August 24, 2026

Qualification of MPHL as an additional final test site and additional scan and pack site for selected AT91SAM9G20, AT91SAM9RL64, AT91SAM9261, ATSAMA5D23, ATSAMA5D22, ATSAMA5D21 and ATSAMA5D225C-D1M device families available in various packages.

Purpose: Qualification of MPHL as an additional final test site and additional scan and pack site for selected AT91SAM9G20, AT91SAM9RL64, AT91SAM9261, ATSAMA5D23, ATSAMA5D22, ATSAMA5D21 and ATSAMA5D225C-D1M device families available in various packages.

CCB No.: 8466

Test Name	Test Conditions	Sample Size	Qtyof 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	3000	1 lot from MPHL vs total of 32 lots from ASE9	Qual lot yield distribution is within the historical production yield distribution.