



## Product Change Notification: MFOL-15GCKY608

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### Date:

29-Apr-2025

### Product Category:

8-Bit Microcontrollers

### Notification Subject:

CCB 7196.024 Final Notice: Qualification of MTAI as a new final test site for ATMEGA644-20PU, ATMEGA644P-20PU, ATMEGA32-16PU, ATMEGA8515-16PU, ATMEGA162-16PU, ATMEGA8535-16PU, AT89S8253-24PU, AT89C51RC-24PU, ATMEGA8535L-8PU and AT89C55WD-24PU catalog part numbers (CPN) available in 40L PDIP (.600in) package.

### Affected CPNs:

[MFOL-15GCKY608\\_Affected\\_CPN\\_04292025.pdf](#)

[MFOL-15GCKY608\\_Affected\\_CPN\\_04292025.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 ATMEGA644-20PU, ATMEGA644P-20PU, ATMEGA32-16PU, ATMEGA8515-16PU, ATMEGA162-16PU, ATMEGA8535-16PU, AT89S8253-24PU, AT89C51RC-24PU, ATMEGA8535L-8PU and AT89C55WD-24PU catalog part numbers (CPN) available in 40L PDIP (.600in) package.

### Pre and Post Summary Changes:

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

<b>Packing Method / Material</b>	See Pre and Post Change Summary for Comparison.
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**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 May 2025 (date code: 2520)

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

**Timetable Summary:**

	<b>April 2025</b>					<b>May 2025</b>			
<b>Work Week</b>	14	15	16	17	18	19	20	21	22
<b>Qual Report Availability</b>					X				
<b>Final PCN Issue Date</b>					X				
<b>Estimated Implementation Date</b>							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 29, 2025: Issued final 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\_MFOL-15GCKY608\_Pre and Post Change\_Summary.pdf**  
**PCN\_MFOL-15GCKY608\_Qualification Report.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.

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Affected Catalog Part Numbers (CPN)

ATMEGA644-20PU

ATMEGA644P-20PU

ATMEGA32-16PU

ATMEGA8515-16PU

ATMEGA162-16PU

ATMEGA8535-16PU

ATMEGA8535L-8PU

AT89S8253-24PU

AT89C51RC-24PU

AT89C55WD-24PU

# CCB 7196.024

## Pre and Post Change Summary

### PCN #: MFOL-15GCKY608



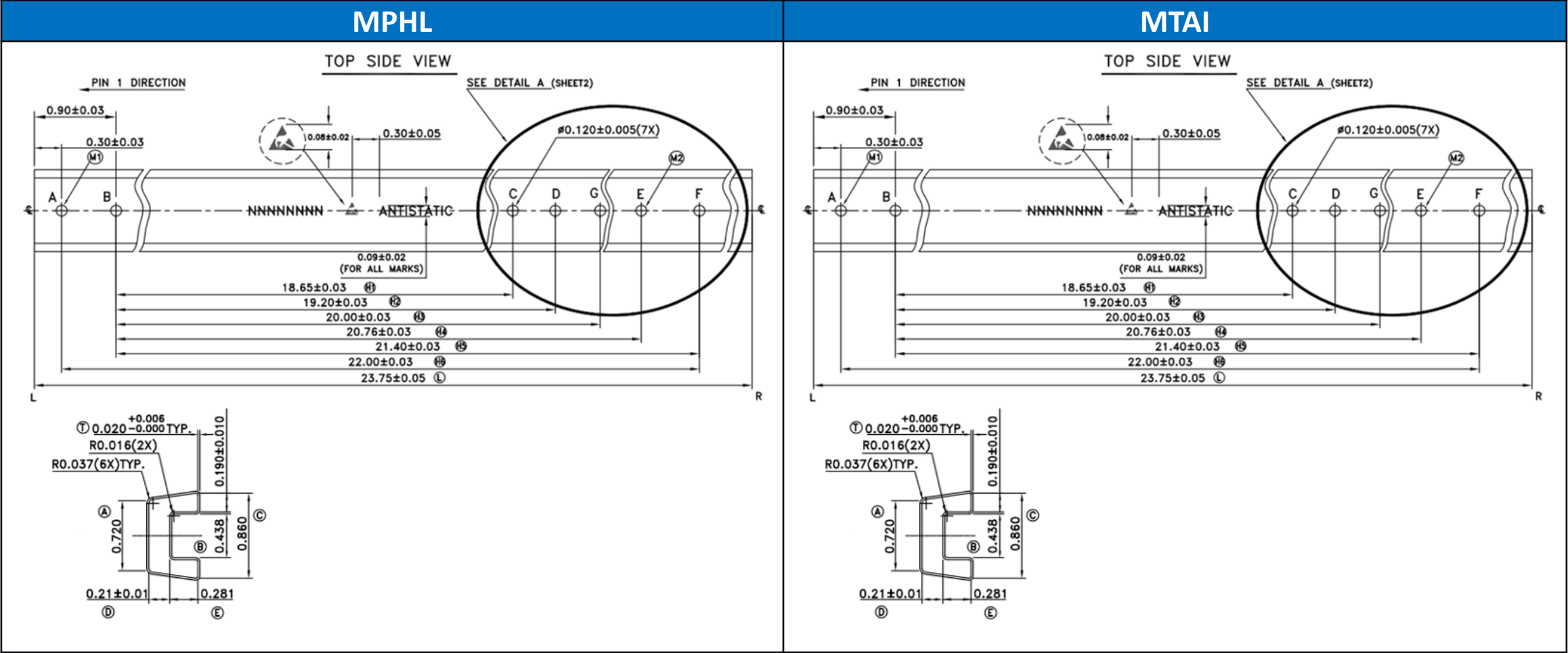
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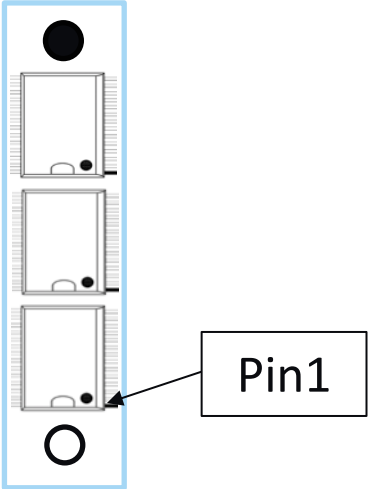
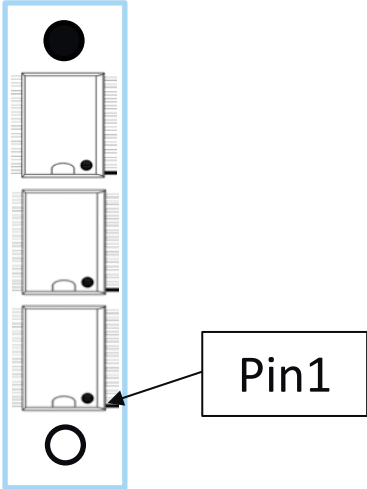
SMART | CONNECTED | SECURE

# Pre and Post Change Summary - Tube

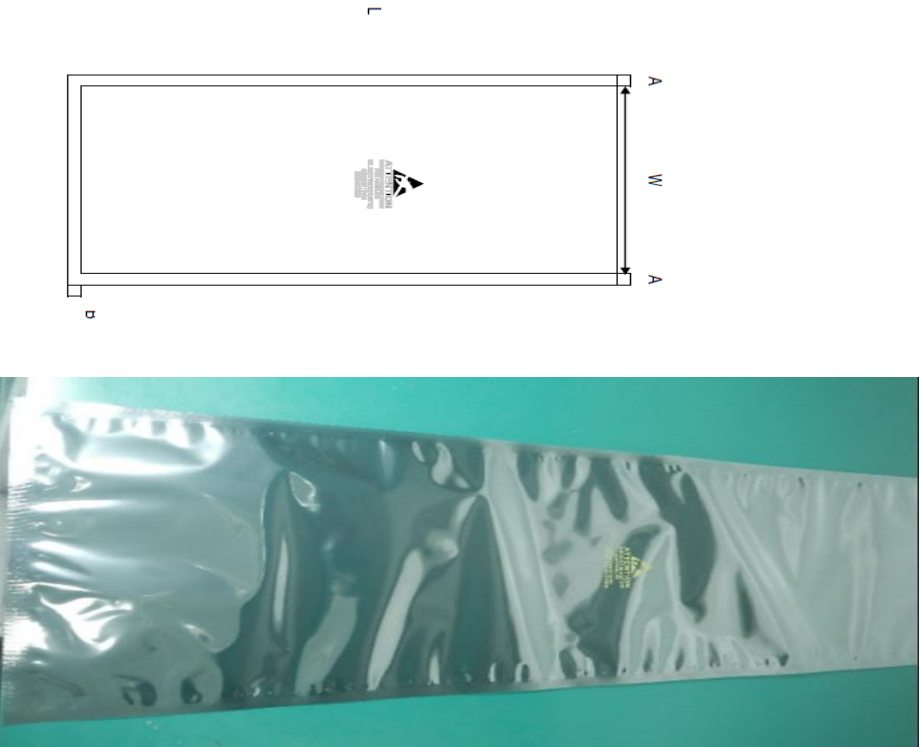
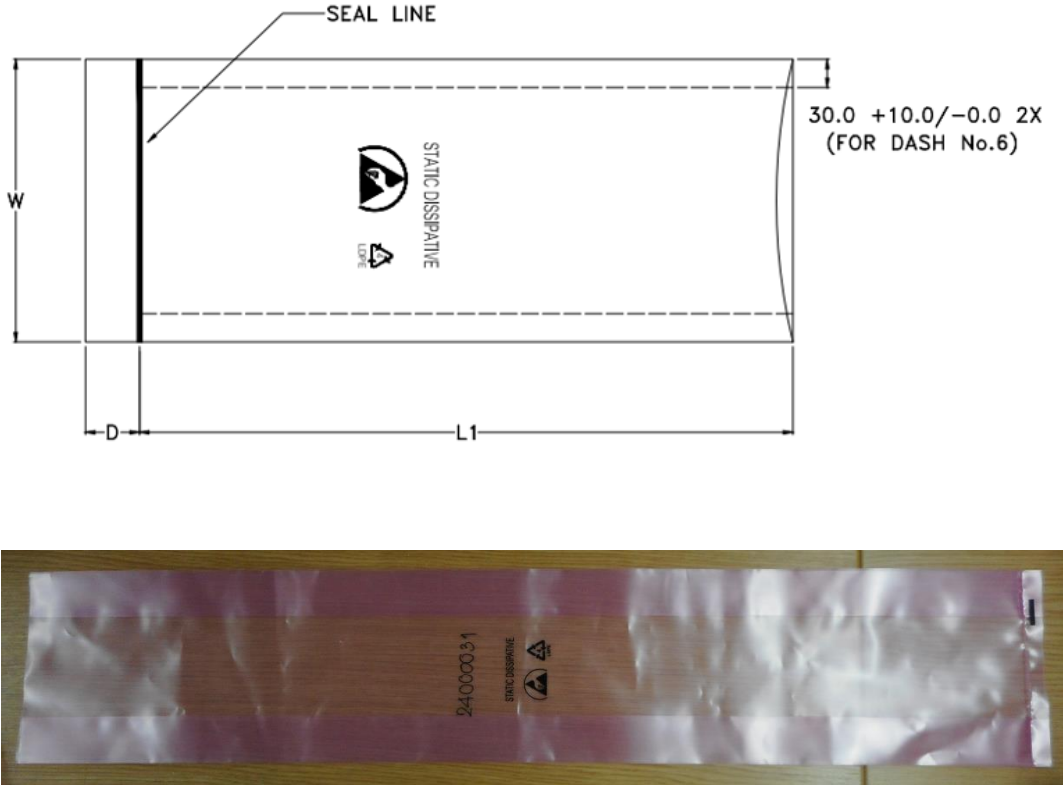


Location	Tube Length (inch)	Unit per Tube	Tube per Bag	Tube Color
MPHL	23.75 +/- 0.05	10	24	Transparent Clear
MTAI	23.75 +/- 0.05	10	24	Transparent Clear

# Pre and Post Change Summary – Tube (Plug/Pin Color)

MPHL			MTAI		
					
Media	Pin1 Side Color	Opposite Side Color	Media	Pin1 Side Color	Opposite Side Color
Pin	White	Black	Pin	White	Black

# Pre and Post Change Summary – Bag

MPHL	MTAI
<div><p>The diagram shows a rectangular bag with dimensions L (length), W (width), and A (thickness). A warning symbol is visible. The photo shows a gray static shielding bag with a yellow warning symbol.</p></div>	<div><p>The diagram shows a rectangular bag with dimensions L1 (length), W (width), and D (thickness). A 'SEAL LINE' is indicated. A warning symbol and 'STATIC DISSIPATIVE' text are visible. Dimensions 30.0 +10.0/-0.0 2X (FOR DASH No.6) are noted. The photo shows a pink antistatic bag with a warning symbol and '24000031' printed on it.</p></div>

DWG-K19-010

Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
MPHL	Static Shielding Bag (Gray)	762 +/- 10	228 +/- 10	0.08 +/-0.01
MTAI	Antistatic Pink Gusset	760 +10/-5	140 +10/-0	0.100 +/- 0.01



# Pre and Post Change Summary – Tube Packing Method Non-Dry Pack

MPHL

ESD label use for seal




Open Side of Bag

Intermediate Barcode Label

(No inner box)

MTAI

Pink Anti-Static Bag



LABEL (MS-15068-9)



(No inner box)

Carton	Dimension W x L x H (cm)	Number of Bag/carton
M01-020 (PD)	15x71.5x5	1
M01-021 (PI )	17x65x8	1
M01-022 (PP)	15.5x62x14	2
M01-023 (PT)	22.5x63x16.5	3
M01-024 (P4)	32x63x15.5	4
M01-034 (P5)	36x63x16.5	5

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**QUALIFICATION REPORT SUMMARY  
RELIABILITY LABORATORY**

**PCN #: MFOL-15GCKY608**

**Date:  
April 16, 2025**

**Qualification of MTAI as a new final test site for  
ATMEGA644-20PU, ATMEGA644P-20PU, ATMEGA32-16PU,  
ATMEGA8515-16PU, ATMEGA162-16PU, ATMEGA8535-  
16PU, ATMEGA8535L-8PU, AT89S8253-24PU, AT89C51RC-  
24PU, and AT89C55WD-24PU catalog part numbers (CPN)  
available in 40L PDIP (.600in) package.**



**MICROCHIP**

**Purpose:** Qualification of MTAI as a new final test site for ATMEGA644-20PU, ATMEGA644P-20PU, ATMEGA32-16PU, ATMEGA8515-16PU, ATMEGA162-16PU, ATMEGA8535-16PU, ATMEGA8535L-8PU, AT89S8253-24PU, AT89C51RC-24PU, and AT89C55WD-24PU catalog part numbers (CPN) available in 40L PDIP (.600in) package.

**CCB No.:** 7196.024

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