



## Product Change Notification: MAAN-25PKAF930

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**Date:**

28-Mar-2025

**Product Category:**

8-Bit Microcontrollers

**Notification Subject:**

CCB 7196.016 Final Notice: Qualification of MTAI as a new final test site for selected ATTINY261A, AT89S2051, AT89LP2052, AT89LP4052, AT89C2051, ATTINY2313, AT89C4051, ATTINY861A, ATTINY2313A, ATTINY26 and ATTINY4313 device families available in 20L PDIP (.300in) package.

**Affected CPNs:**

[MAAN-25PKAF930\\_Affected\\_CPN\\_03282025.pdf](#)

[MAAN-25PKAF930\\_Affected\\_CPN\\_03282025.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 selected ATTINY261A, AT89S2051, AT89LP2052, AT89LP4052, AT89C2051, ATTINY2313, AT89C4051, ATTINY861A, ATTINY2313A, ATTINY26 and ATTINY4313 device families available in 20L PDIP (.300in) package.

**Pre and Post Summary Changes:**

	Pre Change	Post Change
<b>Final Test Site</b>	Microchip Technology Operations (Phils.) Corp. (MPHL)	Microchip Technology Thailand (HQ) (MTAI)
<b>Packing Method/Material</b>	See pre and post change summary for comparison.	

**Impacts to Datasheet:** None

**Change Impact:** None

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

**Change Implementation Status:** In Progress

**Estimated First Ship Date:** 23 May 2025 (date code: 2521)

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

**Timetable Summary:**

	March 2025					>	May 2025				
Work Week	9	10	11	12	13		18	19	20	21	22
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:** March 28, 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\\_MAAN-25PKAF930\\_Qual Report.pdf](#)

[PCN\\_MAAN-25PKAF930\\_Pre\\_and Post Change Summary.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)

ATTINY261A-PU

AT89S2051-24PU

AT89LP2052-20PU

AT89LP4052-20PU

AT89C2051-12PU

AT89C2051-24PU

ATTINY2313V-10PU

ATTINY2313-20PU

AT89C4051-12PU

AT89C4051-24PU

ATTINY861A-PU

ATTINY2313A-PU

ATTINY26L-8PU

ATTINY4313-PU

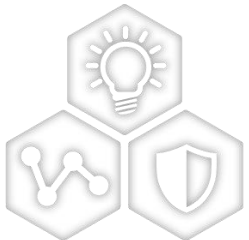
ATTINY26-16PU

**CCB 7196.016**  
**Pre and Post Change Summary**  
**PCN #: MAAN-25PKAF930**



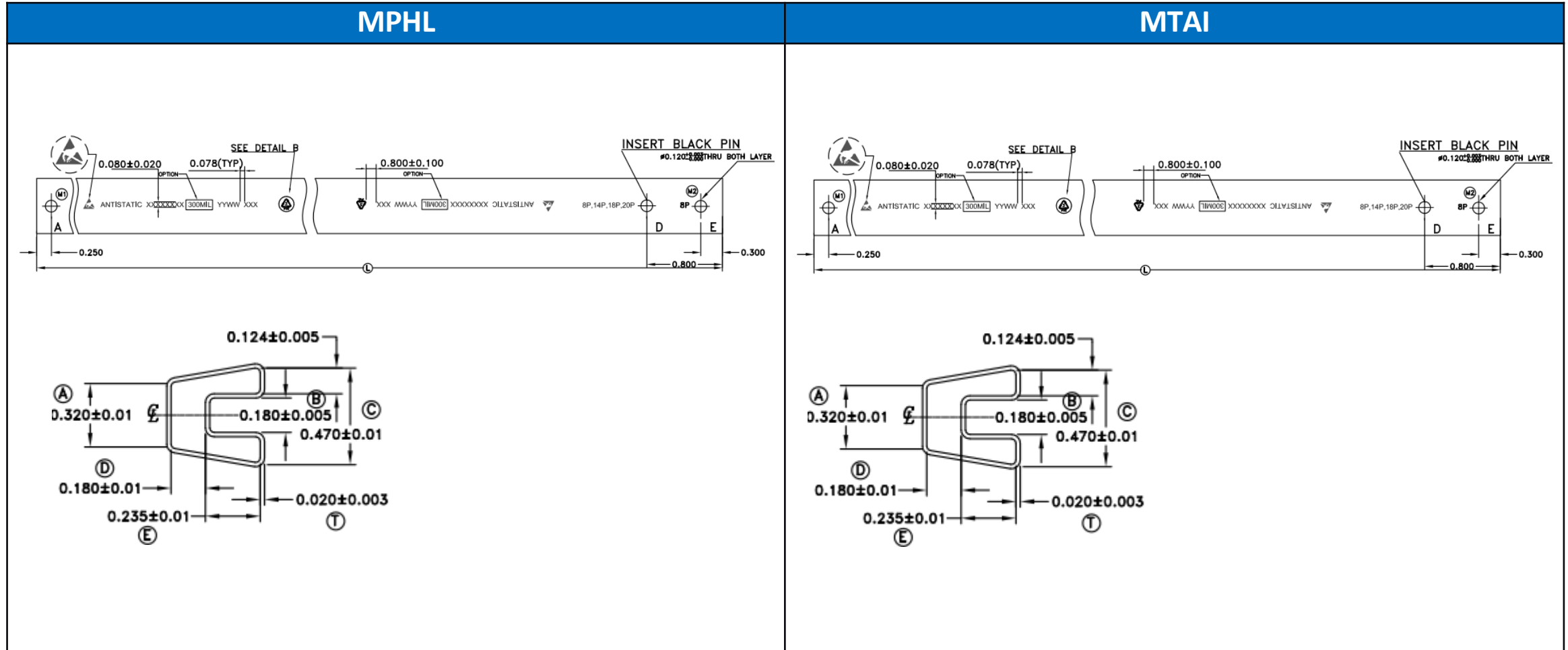
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A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



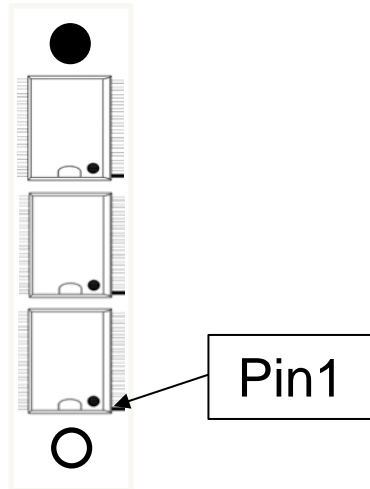
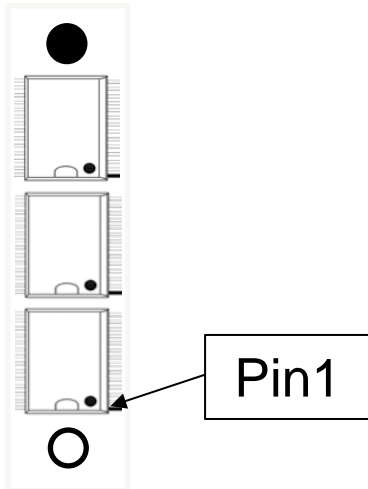
SMART | CONNECTED | SECURE

# Pre and Post Change Summary - TUBE


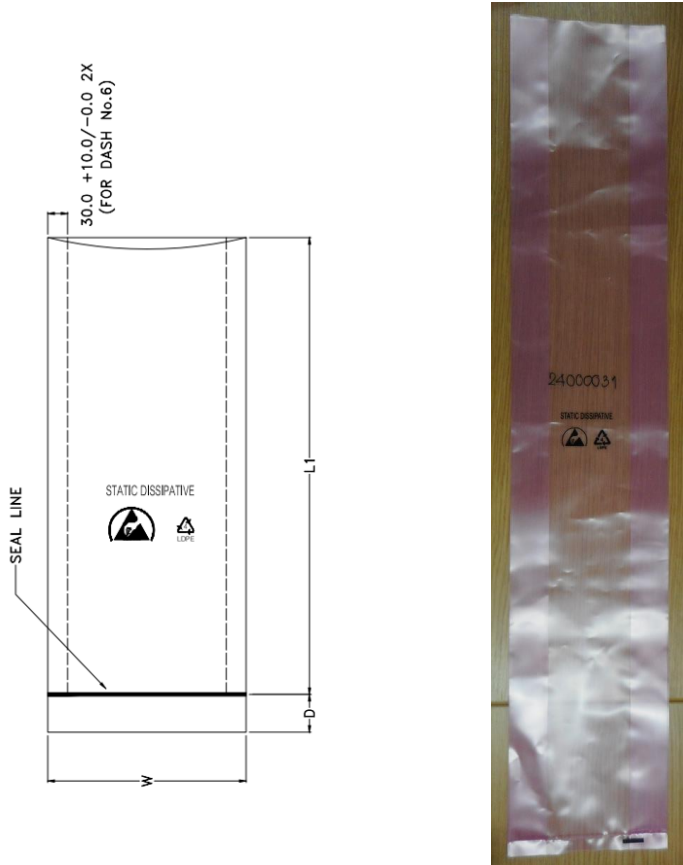


Location	Tube Length (inch)	Dimension	Tube Length between Hole Usage	Unit per Tube	Tube per Bag	Tube Color
MPHL	20.33 +/- 0.030	See on drawing	19.53 +/- 0.030	18	40	Transparent Clear
MTAI	20.33 +/- 0.030	See on drawing	19.53 +/- 0.030	18	40	Transparent Clear

# Pre and Post Change Summary - TUBE

MPHL	MTAI												
													
<table><tr><th>Media</th><th>Pin1 Side Color</th><th>Opposite Side Color</th></tr><tr><td>Pin</td><td>White</td><td>Black</td></tr></table>	Media	Pin1 Side Color	Opposite Side Color	Pin	White	Black	<table><tr><th>Media</th><th>Pin1 Side Color</th><th>Opposite Side Color</th></tr><tr><td>Pin</td><td>White</td><td>Black</td></tr></table>	Media	Pin1 Side Color	Opposite Side Color	Pin	White	Black
Media	Pin1 Side Color	Opposite Side Color											
Pin	White	Black											
Media	Pin1 Side Color	Opposite Side Color											
Pin	White	Black											

# Pre and Post Change Summary - TUBE (Bag)

MPHL	MTAI
 <p>The diagram shows a rectangular bag with dimensions: width (W) between two points (A), length (L), and a small bottom flap (B). The photo shows a gray static shielding bag with a yellow triangular warning symbol and the text 'ATTENTION' and 'ELECTROSTATIC SENSITIVE'.</p>	 <p>The diagram shows a bag with dimensions: width (W), length (L), and a bottom flap (D). A 'SEAL LINE' is indicated. A top dimension is given as <math>30.0 + 10.0 / - 0.0 \text{ 2X}</math> (FOR DASH No.6). The bag features 'STATIC DISSIPATIVE' text and symbols. The photo shows a pink gusseted bag with the number '24000031' and 'ELECTROSTATIC SENSITIVE' text.</p>

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



**QUALIFICATION REPORT SUMMARY  
RELIABILITY LABORATORY**

**PCN #: MAAN-25PKAF930**

**Date:  
March 15, 2025**

**Qualification of MTAI as a new final test site for selected  
ATTINY261A, AT89S2051, AT89LP2052, AT89LP4052, AT89C2051,  
ATTINY2313, AT89C4051, ATTINY861A, ATTINY2313A, ATTINY26  
and ATTINY4313 device families available in 20L PDIP (.300in)  
package.**



**Purpose:** Qualification of MTAI as a new final test site for selected ATTINY261A, AT89S2051, AT89LP2052, AT89LP4052, AT89C2051, ATTINY2313, AT89C4051, ATTINY861A, ATTINY2313A, ATTINY26 and ATTINY4313 device families available in 20L PDIP (.300in) package.

**CCB No.:** 7196.016

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	$\leq 0.1\%$	<b>Passed</b>
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	$\leq 10\%$	<b>Passed</b>
Correlation Lot Report	<ul style="list-style-type: none"> <li>Accept on yield match within 0.1%</li> </ul>	33	1	$\leq 0.1\%$	<b>Passed</b>