



Product Change Notification: MAAN-25FDCG434

Date:

08-Apr-2025

Product Category:

Memory

Notification Subject:

CCB 7231.011 Final Notice: Qualification of MMT as a new final test site for AT27C020-90PU, AT27C040-70PU, AT27C040-90PU, AT27C080-90PU, AT27C010-70PU and AT27C020-55PU catalog part numbers (CPN) available in 32L PDIP (.600in) package.

Affected CPNs:

[MAAN-25FDCG434_Affected_CPN_04082025.pdf](#)

[MAAN-25FDCG434_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 MMT as a new final test site for AT27C020-90PU, AT27C040-70PU, AT27C040-90PU, AT27C080-90PU, AT27C010-70PU and AT27C020-55PU catalog part numbers (CPN) available in 32L PDIP (.600in) package.

Pre and Post Summary Changes:

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

Impacts to Datasheet: None

Change Impact: None

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

Change Implementation Status: In Progress

Estimated First Ship Date: 01 May 2025 (date code: 2518)

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				May 2025				
Work Week	14	15	16	17	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: April 08, 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-25FDCG434 Pre and Post Change_Summary.pdf
PCN MAAN-25FDCG434 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.

MAAN-25FDCG434 - CCB 7231.011 Final Notice: Qualification of MMT as a new final test site for AT27C020-90PU, AT27C040-70PU, AT27C040-90PU, AT27C080-90PU, AT27C010-70PU and AT27C020-55PU catalog part numbers (CPN) available in 32L PDIP (.600in) package.

Affected Catalog Part Numbers (CPN)

AT27C020-90PU

AT27C040-70PU

AT27C040-90PU

AT27C080-90PU

AT27C010-70PU

AT27C020-55PU



QUALIFICATION REPORT SUMMARY

PCN #: MAAN-25FDCG434

**Date:
October 10, 2024**

**Qualification of MMT as a new final test site for
AT27C020-90PU, AT27C040-70PU, AT27C040-90PU, AT27C080-
90PU, AT27C010-70PU and AT27C020-55PU catalog part
numbers (CPN) available in 32L PDIP (.600in) package.**



Purpose: Qualification of MMT as a new final test site for AT27C020-90PU, AT27C040-70PU, AT27C040-90PU, AT27C080-90PU, AT27C010-70PU and AT27C020-55PU catalog part numbers (CPN) available in 32L PDIP (.600in) package.

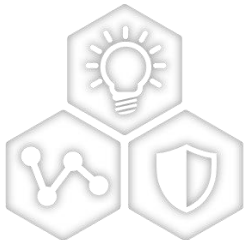
CCB No.: 7231.011

Test / Evaluation	Test Condition / Parameters	Sample Size	Qty of Lots	Fail/Accept Criteria	Result
Bin and Yield Comparison	Test the same units at existing and destination locations and compare Bin and Yield data.	3000	1	$\leq 0.1\%$	Passed
Parametric / Characterization Comparison	Characterize the same units at existing and destination locations and compare data.	33	1	$\leq 10\%$	Passed
Correlation Lot Report	Accept on yield match within 0.1%	33	1	$\leq 0.1\%$	Passed

CCB 7231.011
Pre and Post Change Summary
PCN #: MAAN-25FDCG434

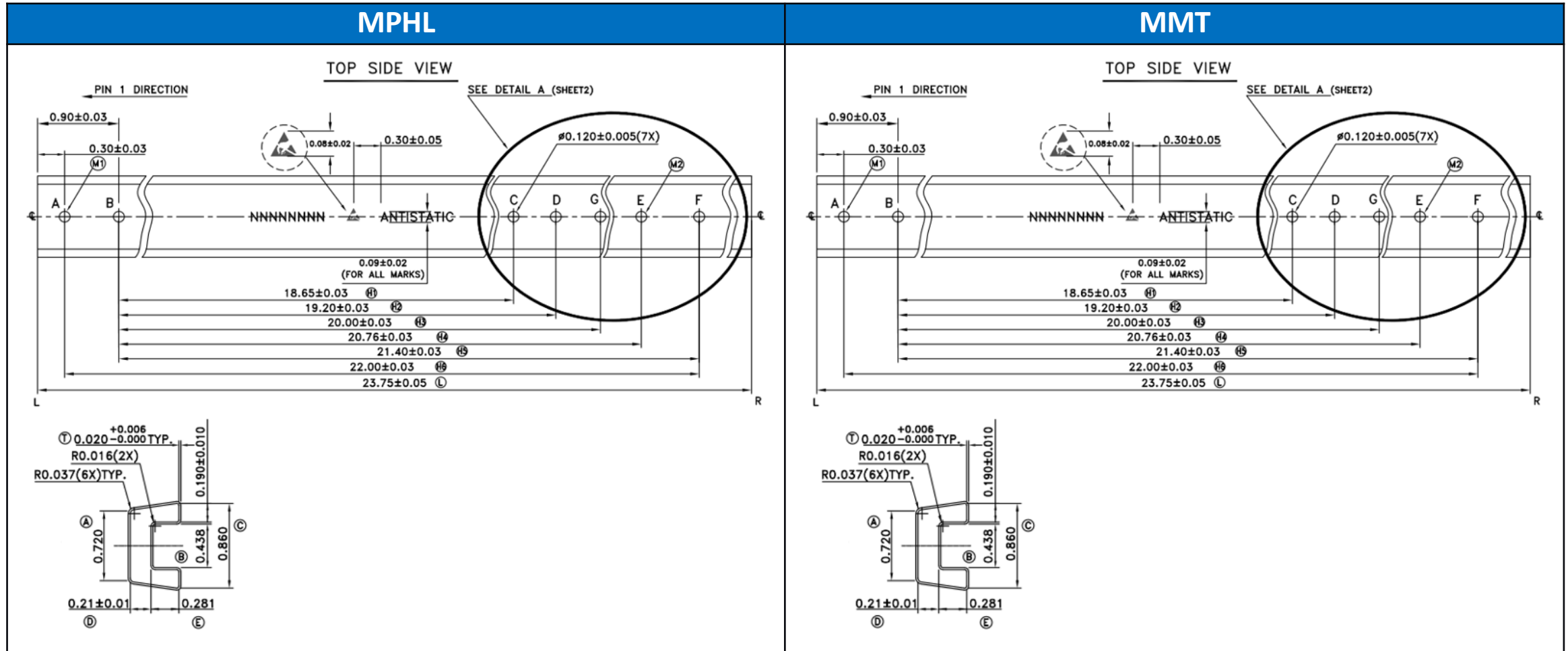


A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



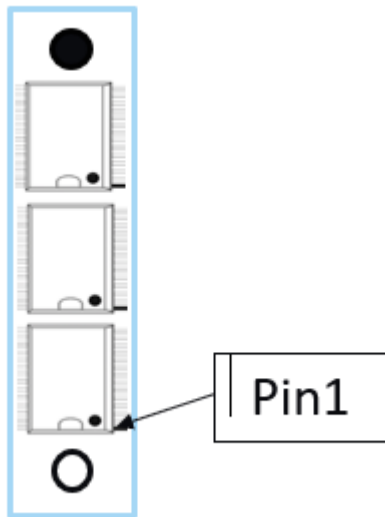
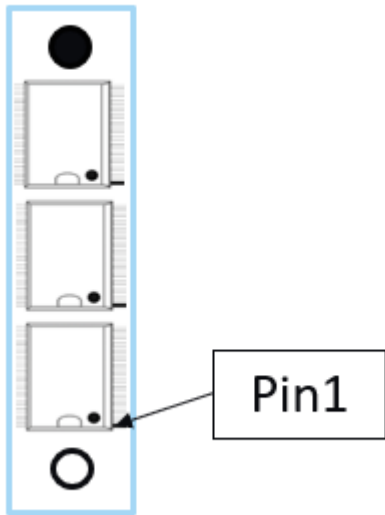
SMART | CONNECTED | SECURE

Pre and Post Change Summary - TUBE

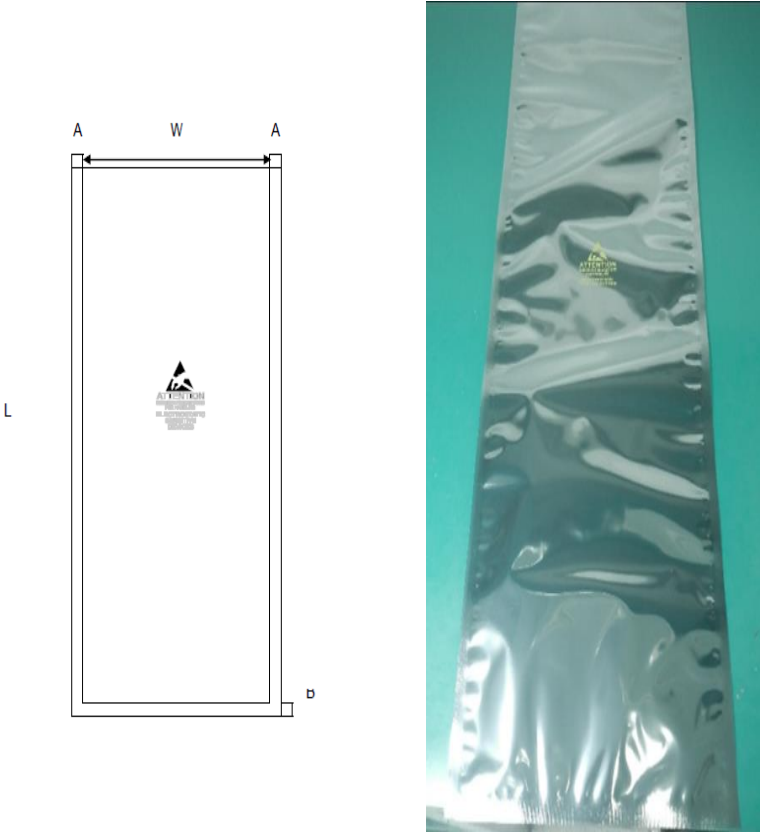
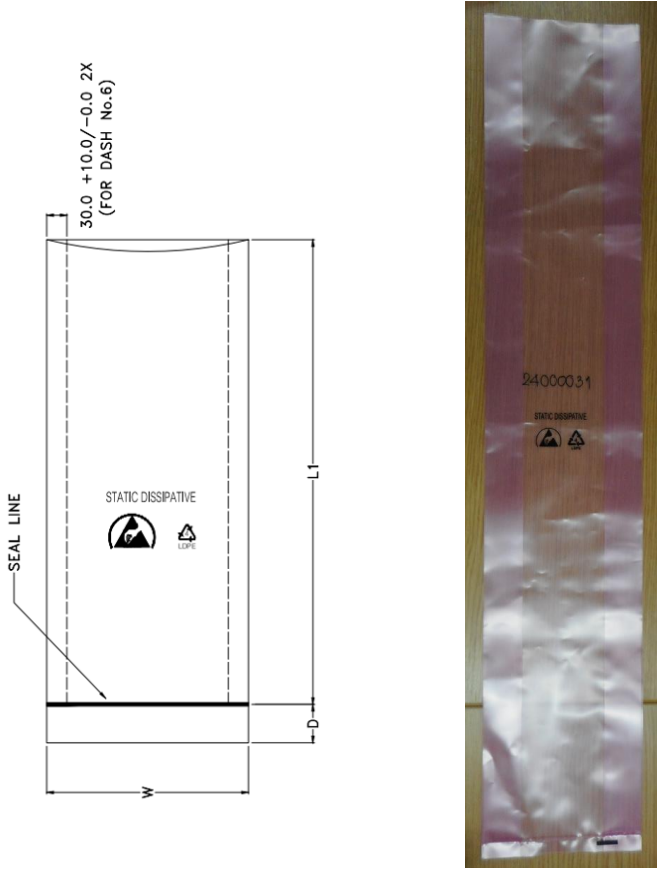


Location	Tube Length (inch)	Dimension	Tube Length between Hole Usage	Unit per Tube	Tube per Bag	Tube Color
MPHL	23.75 +/- 0.05	See on drawing	20.76 +/- 0.03	12	24	Transparent Clear
MMT	23.75 +/- 0.05	See on drawing	20.76 +/- 0.03	12	24	Transparent Clear

Pre and Post Change Summary - TUBE

MPHL	MMT												
 <p>Diagram of the MPHL package showing Pin1 location. The package is a vertical tube with a black dot at the top and a white circle at the bottom. Pin1 is indicated by a label and an arrow pointing to the bottom pin.</p>	 <p>Diagram of the MMT package showing Pin1 location. The package is a vertical tube with a black dot at the top and a white circle at the bottom. Pin1 is indicated by a label and an arrow pointing to the bottom pin.</p>												
<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		MMT	
			

Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
MPHL	Static Shielding Bag (Gray)	762 +/- 10	228 +/- 10	0.08 +/-0.01
MMT	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)

MMT

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