



## Product Change Notification / JAON-17NPXF486

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### Date:

07-Apr-2022

### Product Category:

Memory

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 3280.003 Final Notice: Qualification of MTAI as new final test site for selected AT24C0xx, AT24C16x, AT24C32E, AT24C64B, AT24HC0xx, AT93C46x, and AT93C86A device families available in 8L PDIP package.

### Affected CPNs:

[JAON-17NPXF486\\_Affected\\_CPN\\_04072022.pdf](#)

[JAON-17NPXF486\\_Affected\\_CPN\\_04072022.csv](#)

### Notification Text:

**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 new final test site for selected AT24C0xx, AT24C16x, AT24C32E, AT24C64B, AT24HC0xx, AT93C46x, and AT93C86A device families available in 8L PDIP package.

### Pre and Post Change Summary:



**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, 2022: Issued final notification.

April 7, 2022: Re-issued final notification to change assembly site to final test site in the pre and post change summary table.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

## **Attachments:**

[PCN\\_JAON-17NPXF486\\_Qual\\_Report.pdf](#)

[PCN\\_JAON-17NPXF486\\_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.

Affected Catalog Part Numbers (CPN)

AT93C86A-10PU-1.8  
AT93C86A-10PU-2.7  
AT24C64B-10PU-2.7  
AT93C46D-PU  
AT93C46E-BPU  
AT93C46E-PU  
AT24HC04B-PU  
AT24C04C-PUM  
AT24C08C-PUM  
AT24C01C-PUM  
AT24C02C-PUM  
AT24HC02C-PUM  
AT24C16C-PUM  
AT24C01D-PUM  
AT24C02D-PUM  
AT24C04D-PUM  
AT24C08D-PUM  
AT24C16D-PUM  
AT24C32E-PUM



**MICROCHIP**

**QUALIFICATION REPORT SUMMARY**

**PCN #: JAON-17NPXF486**

**Date:**

**March 18, 2022**

**Qualification of MTAI as new final test site for selected AT24C0xx, AT24C16x, AT24C32E, AT24C64B, AT24HC0xx, AT93C46x, and AT93C86A device families available in 8L PDIP package.**

**Purpose:** Qualification of MTAI as new final test site for selected AT24C0xx, AT24C16x, AT24C32E, AT24C64B, AT24HC0xx, AT93C46x, and AT93C86A device families available in 8L PDIP package.

**CCB No.:** 3280.003

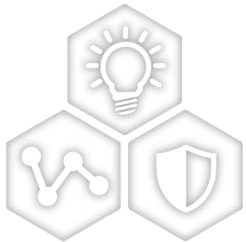
Test / Evaluation	Test Conditions / Parameters	Results
Datalog / Bin Comparison	<ul style="list-style-type: none"> <li>• Compare test numbers, test names, test limit, test sequence, bin assignments &amp; pass/fail results.</li> <li>• Accept if all match or justify the differences</li> </ul>	PASSED
Test stability verification	<ul style="list-style-type: none"> <li>• Test stability verification with TC at -40°C, 25°C and 85°C for singulated</li> <li>• Accept on Cpk &gt; 1.67 or justify/waive parameters if needed</li> </ul>	PASSED
Tester to Tester verification	<ul style="list-style-type: none"> <li>• Perform GR&amp;R. Site 1: Nextest_PT vs Nextest_SSV2t Platform</li> </ul>	PASSED
Yield correlation	<ul style="list-style-type: none"> <li>• Lot Validation, Good vs. rejects comparison. (5000 pcs).</li> <li>• Accept ± 2% yield difference</li> </ul>	PASSED
Rejects verification	<ul style="list-style-type: none"> <li>• The one failure is marginal fail at 85C with Singulates test program, but on Strip test program the failure get always pass result. Reject rate is 0%.</li> </ul>	PASSED

**CCB 3280.003**  
**Pre and Post Change Summary**  
**PCN# JAON-17NPXF486**



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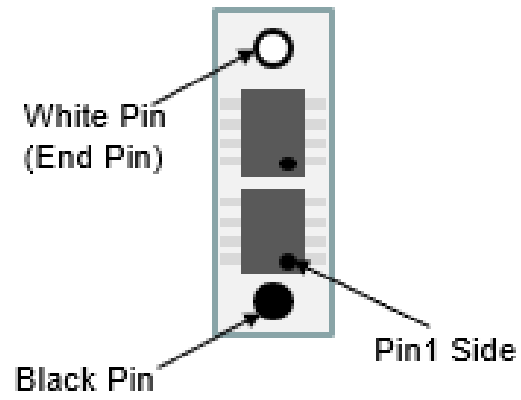
# Pre and Post Change Summary

	Pre Change	Post Change
<b>Final Test Location</b>	Amkor Technology Philippine (P1/P2), INC. (ANAP)	Microchip Technology Thailand (HQ) (MTAI)
<b>Packing Media</b>	Tube	Tube
<b>Base Quantity Multiple (BQM)</b>	50	50
<b>Units per Tube</b>	50 units	50 units
<b>Tubes per Bag</b>	50 tubes	40 tubes
<b>Total units per Bag</b>	2,500 units	2,000 units

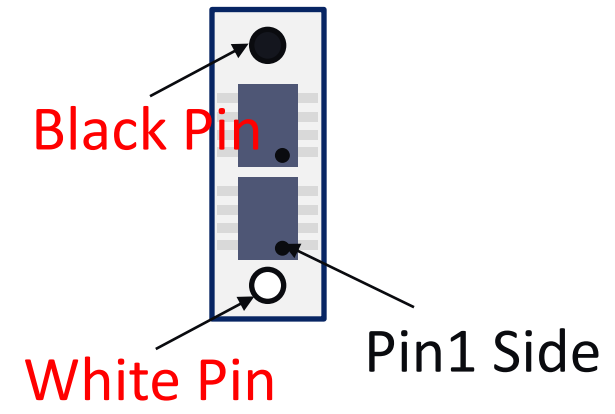


# Pre and Post Change Summary - Pin 1 Orientation

ANAP

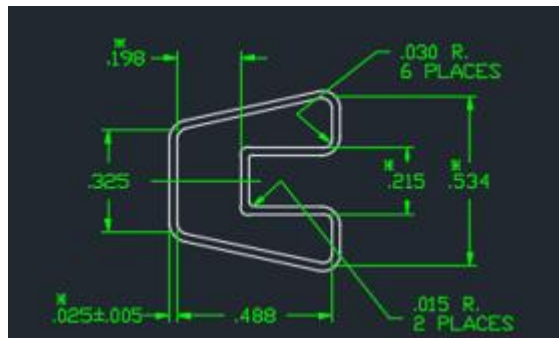
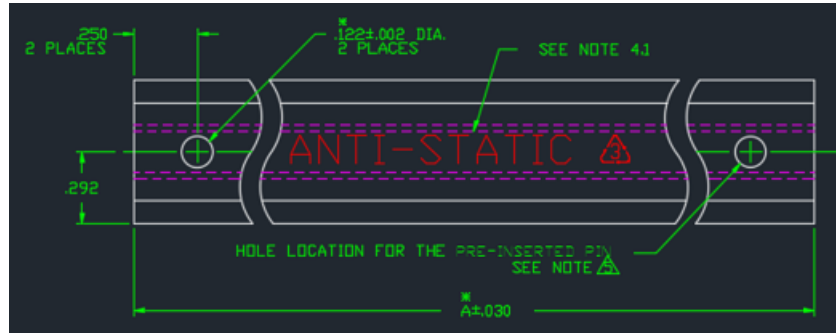


MTAI

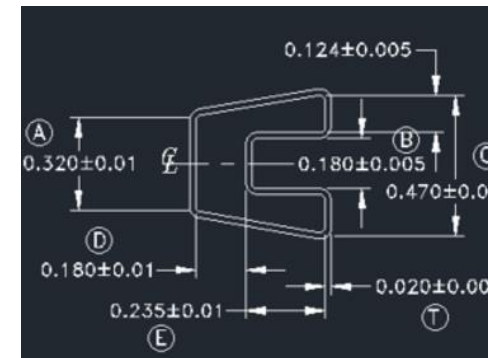
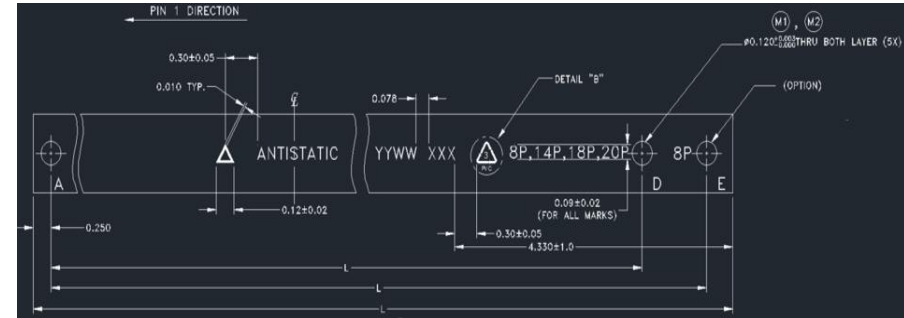


# Pre and Post Change Summary – Tube Drawing

## ANAP



## MTAI



Plant	Tube Length (inch)	Center Hole A to Center Hole D (inch)	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	T (inch)	Color
ANAP	20.00 +/-0.030	19.50 +/- 0.030	0.325 +/- 0.010	0.215 +/-0.010	0.534 +/- 0.010	0.198 +/- 0.010	0.290 +/- 0.010	0.025 +/- 0.005	Transparent Clear
MTAI	20.33 +/-0.025	19.28 +/- 0.050	0.320 +/-0.010	0.180 +/-0.005	0.470 +/-0.010	0.180 +/-0.010	0.235 +/-0.010	0.020 +/-0.003	Transparent Clear

# Pre and Post Change Summary – Packing Method

## ANAP



## MTAI



Bag type	Dimension
Antistatic Pink Gusset	140 x 760mm

(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