



Product Change Notification / JAON-17NPXF486

Date:

28-Mar-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_03282022.pdf](#)

[JAON-17NPXF486_Affected_CPN_03282022.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.

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:

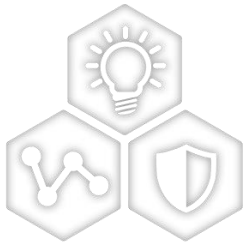
If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

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.

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



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



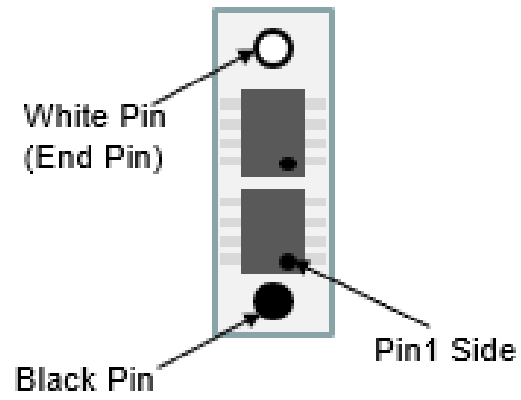
SMART | CONNECTED | SECURE

Pre and Post Change Summary

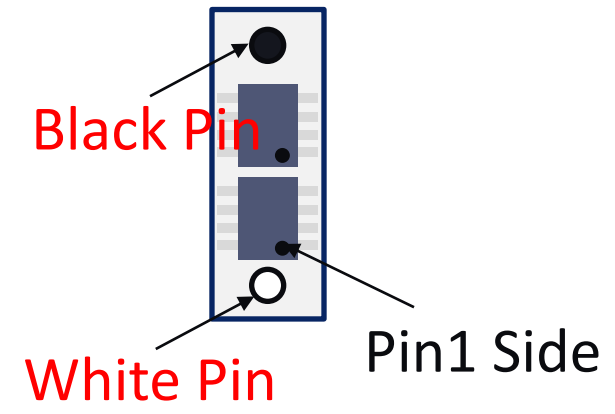
	Pre Change	Post Change
Final Test Location	Amkor Technology Philippine (P1/P2), INC. (ANAP)	Microchip Technology Thailand (HQ) (MTAI)
Packing Media	Tube	Tube
Base Quantity Multiple (BQM)	50	50
Units per Tube	50 units	50 units
Tubes per Bag	50 tubes	40 tubes
Total units per Bag	2,500 units	2,000 units

Pre and Post Change Summary - Pin 1 Orientation

ANAP

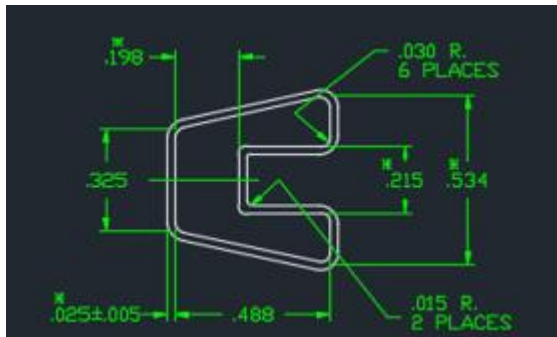
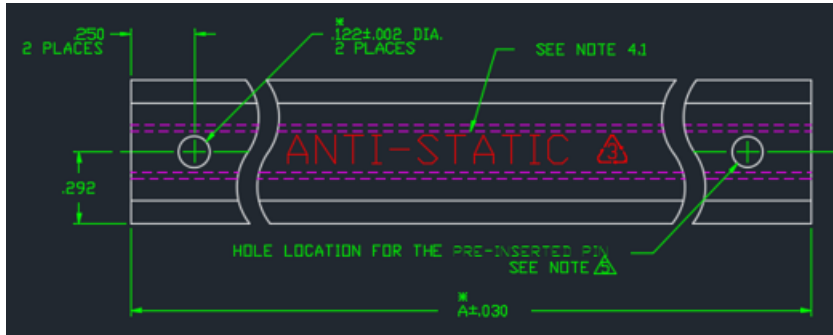


MTAI

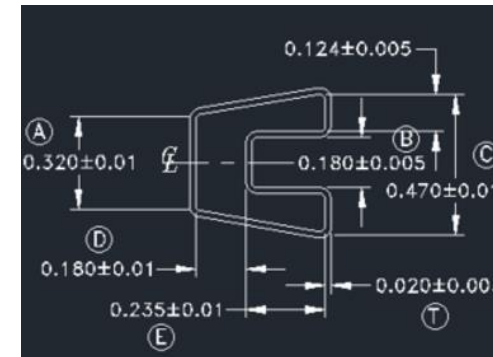
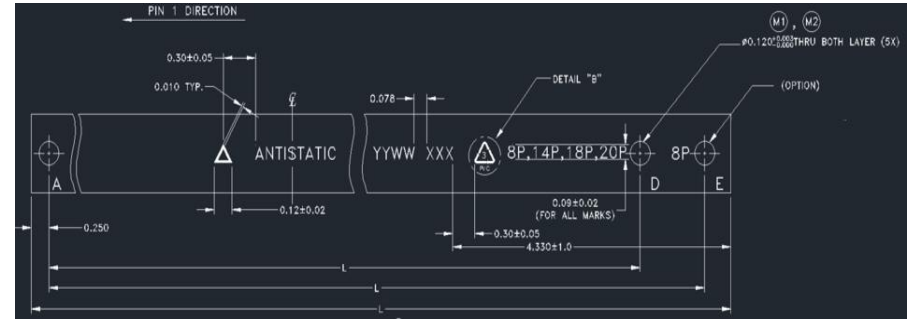


Pre and Post Change Summary – Tube Drawing

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



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"> • Compare test numbers, test names, test limit, test sequence, bin assignments & pass/fail results. • Accept if all match or justify the differences 	PASSED
Test stability verification	<ul style="list-style-type: none"> • Test stability verification with TC at -40°C, 25°C and 85°C for singulated • Accept on Cpk > 1.67 or justify/waive parameters if needed 	PASSED
Tester to Tester verification	<ul style="list-style-type: none"> • Perform GR&R. Site 1: Nextest_PT vs Nextest_SSV2t Platform 	PASSED
Yield correlation	<ul style="list-style-type: none"> • Lot Validation, Good vs. rejects comparison. (5000 pcs). • Accept ± 2% yield difference 	PASSED
Rejects verification	<ul style="list-style-type: none"> • 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%. 	PASSED

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