



## Product Change Notification: **BLAS-13UEAP475**

### Date:

28-Nov-2024

### Product Category:

Memory

### Notification Subject:

CCB 7277 Final Notice: Qualification of ANAP as an additional assembly site for AT24C02C-XHM-T-834, AT24HC02C-XHM-B, AT24HC02C-XHM-T, AT24HC04B-TH-B, AT24HC04B-TH-T, AT24MAC402-XHM-B, AT24MAC402-XHM-T, AT24MAC602-XHM-B, AT24MAC602-XHM-T, AT34C02C-TH-T-834, AT93C46D-TH-T-834, AT93C46E-TH-B and AT93C46E-TH-T catalog part numbers (CPN) available in 8L TSSOP (4.4mm) package.

### Affected CPNs:

**[BLAS-13UEAP475\\_Affected\\_CPN\\_11282024.pdf](#)**

**[BLAS-13UEAP475\\_Affected\\_CPN\\_11282024.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 ANAP as an additional assembly site for AT24C02C-XHM-T-834, AT24HC02C-XHM-B, AT24HC02C-XHM-T, AT24HC04B-TH-B, AT24HC04B-TH-T, AT24MAC402-XHM-B, AT24MAC402-XHM-T, AT24MAC602-XHM-B, AT24MAC602-XHM-T, AT34C02C-TH-T-834, AT93C46D-TH-T-834, AT93C46E-TH-B and AT93C46E-TH-T catalog part numbers (CPN) available in 8L TSSOP (4.4mm) package.

### Pre and Post Summary Changes:

	Pre Change	Post Change

<b>Assembly Site</b>	ATX Semiconductor (Shanghai) Co. Ltd (ASSH)		ATX Semiconductor (Shanghai) Co. Ltd (ASSH)		Amkor Technology Philippine (P1/P2), INC. (ANAP)	
<b>Wire Material</b>	PdCu	Au	PdCu	Au	PdCu	Au
<b>Die Attach Material</b>	En-4900G		En-4900G		8290	
<b>Molding Compound Material</b>	G700LY		G700LY		G700A	
<b>Lead-Frame Material</b>	C7025		C7025		C7025	
<b>Lead-Frame Paddle Size</b>	126x87mils		126x87mils		98x87mils	
<b>Lead-Frame Design</b>	See Pre and Post Change Summary for Comparison.					
<b>DAP Surface Prep</b>	Ru-PPF		Ru-PPF		PPF	

**Impacts to Datasheet:** None

**Change Impact:** None

**Reason for Change:** To improve on-time delivery performance by qualifying ANAP as an additional assembly site.

**Change Implementation Status:** In Progress

**Estimated First Ship Date:** 08 January 2025 (date code: 252)

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

**Timetable Summary:**

	November 2024	>	January 2025
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Work Week	44	45	46	47	48		01	02	03	04	05
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\_{PCN}\_Qual\_Report.

**Revision History:** November 28, 2024: 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\\_BLAS-13UEAP475 Pre and Post Change\\_Summary.pdf\*\*](#)

[\*\*PCN\\_BLAS-13UEAP475\\_Qual\\_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.

Affected Catalog Part Numbers (CPN)

AT24C02C-XHM-T-834

AT24HC02C-XHM-B

AT24HC02C-XHM-T

AT24HC04B-TH-B

AT24HC04B-TH-T

AT24MAC402-XHM-B

AT24MAC402-XHM-T

AT24MAC602-XHM-B

AT24MAC602-XHM-T

AT34C02C-TH-T-834

AT93C46D-TH-T-834

AT93C46E-TH-B

AT93C46E-TH-T

CCB 7277

**Pre and Post Change Summary**  
**PCN #: BLAS-13UEAP475**



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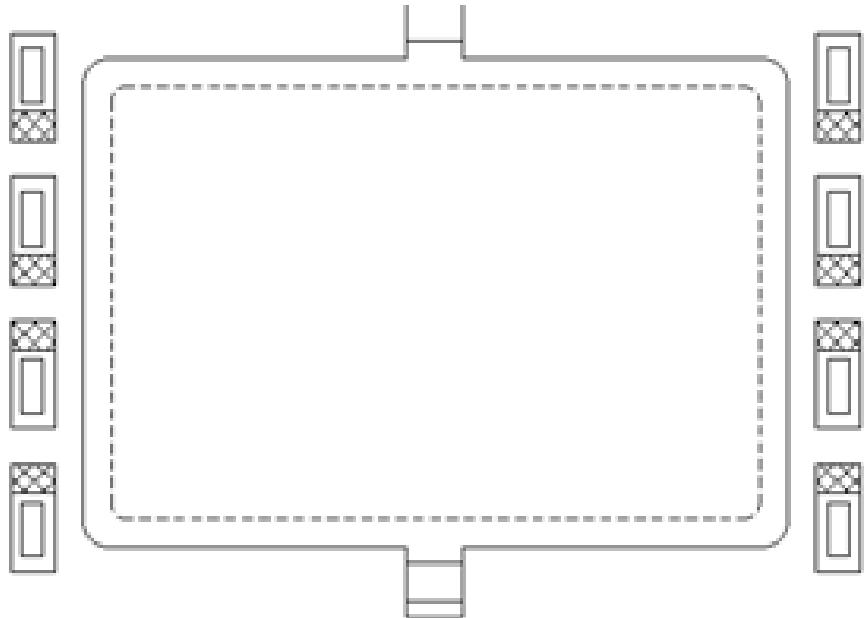
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SMART | CONNECTED | SECURE

# LEAD FRAME COMPARISON

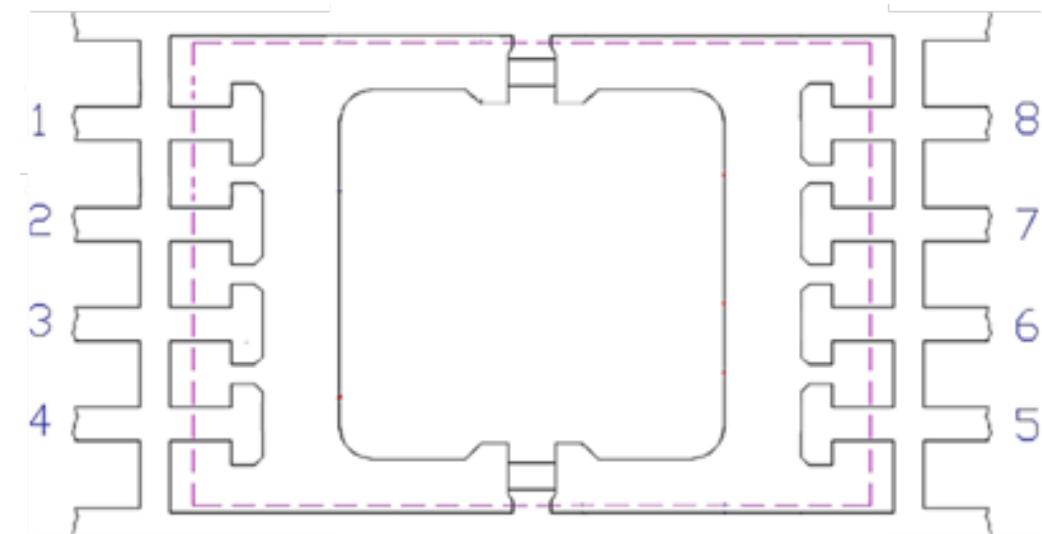
ASSH



Lead-Frame Material	C7025
Lead-Frame Paddle Size	126x87mils
DAP Surface Prep	Ru-PPF

*Note: Not to scale*

ANAP



Lead-Frame Material	C7025
Lead-Frame Paddle Size	98x87mils
DAP Surface Prep	PPF

*Note: Not to scale*



## **QUALIFICATION REPORT SUMMARY**

**PCN #: BLAS-13UEAP475**

**Date:**  
**April 16, 2020**

**Qualification of ANAP as an additional assembly site for  
AT24C02C-XHM-T-834, AT24HC02C-XHM-B, AT24HC02C-XHM-T,  
AT24HC04B-TH-B, AT24HC04B-TH-T, AT24MAC402-XHM-B,  
AT24MAC402-XHM-T, AT24MAC602-XHM-B, AT24MAC602-XHM-T,  
AT34C02C-TH-T-834, AT93C46D-TH-T-834, AT93C46E-TH-B and  
AT93C46E-TH-T catalog part numbers (CPN) available in 8L TSSOP  
(4.4mm) package will qualify by similarity (QBS).**

## Package Qualification Report

**Purpose:** Qualification of ANAP as an additional assembly site for AT24C02C-XHM-T-834, AT24HC02C-XHM-B, AT24HC02C-XHM-T, AT24HC04B-TH-B, AT24HC04B-TH-T, AT24MAC402-XHM-B, AT24MAC402-XHM-T, AT24MAC602-XHM-B, AT24MAC602-XHM-T, AT34C02C-TH-T-834, AT93C46D-TH-T-834, AT93C46E-TH-B and AT93C46E-TH-T catalog part numbers (CPN) available in 8L TSSOP (4.4mm) package will qualify by similarity (QBS).

**CCB #:** 4403 and 7277

Test Name	Test Method	Stress Test Condition	Duration/ Readpoints	SS/Lot	Result
ESD HBM w_Cu Wire	MilStd 883 Method 3015	25C	500V, 1k, 2k, 3k, 4k	3 per Voltage	<b>Pass</b>
ESD HBM w_Au Wire	MildStd 883 Method 3015	25C	500V, 1k, 2k, 3k, 4k	3 per Voltage	<b>Pass</b>
ESD MM w_Cu Wire	JEDEC22 Method 115	25C	50V, 100V, 200V, 300V, 400V	3 per Voltage	<b>Pass</b>
ESD MM w_Au Wire	JEDEC22 Method 115	25C	50V, 100V, 200V, 300V, 400V	3 per Voltage	<b>Pass</b>
ESD CDM w_Cu Wire	JEDEC22 Method C101	25C	50V, 100V, 200V, 300V, 400V	3 per Voltage	<b>Pass</b>
ESD CDM w_Au Wire	JEDEC22 Method C101	25C	50V, 100V, 200V, 300V, 400V	3 per Voltage	<b>Pass</b>
High Temperature Storage	Unbiased Bake	150C - Unbiased	1008 Hours	1000	<b>Pass</b>
Extended HTS	Unbiased Bake	150C - Unbiased	1008 Hours	1000	<b>Pass</b>
HAST	JESD22A101B	130C/85%RH 5V – Static Bias	96 Hours	77	<b>Pass</b>
Extended HAST	JESD22A101B	130C/85%RH 5V – Static Bias	96 Hours	77	<b>Pass</b>
Temperature Cycle	JESD22A104A	-65C/150C	500 Cycles	1000	<b>Pass</b>
Autoclave	JESDA102B	100%RH/121C	96 Hours	77	<b>Pass</b>