



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

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

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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



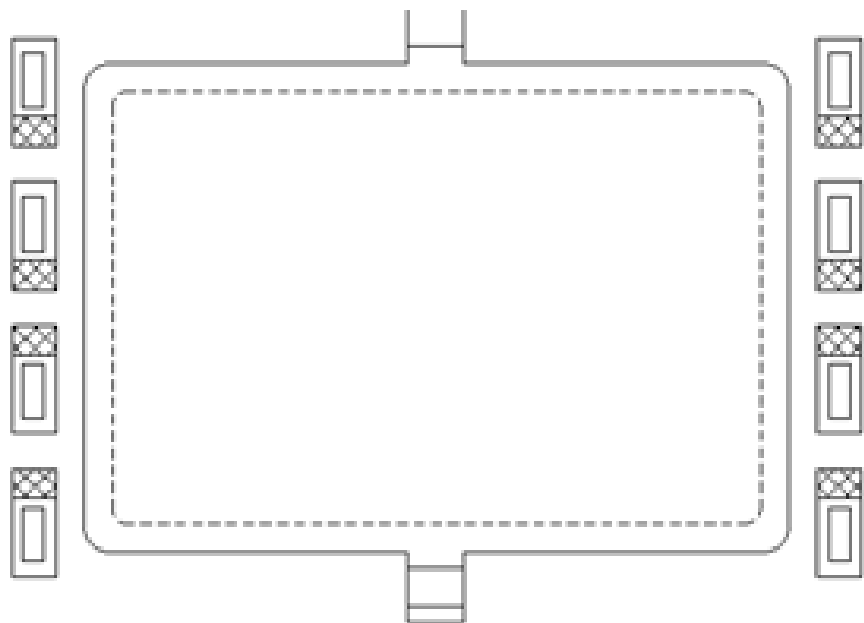
A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



SMART | CONNECTED | SECURE

LEAD FRAME COMPARISON

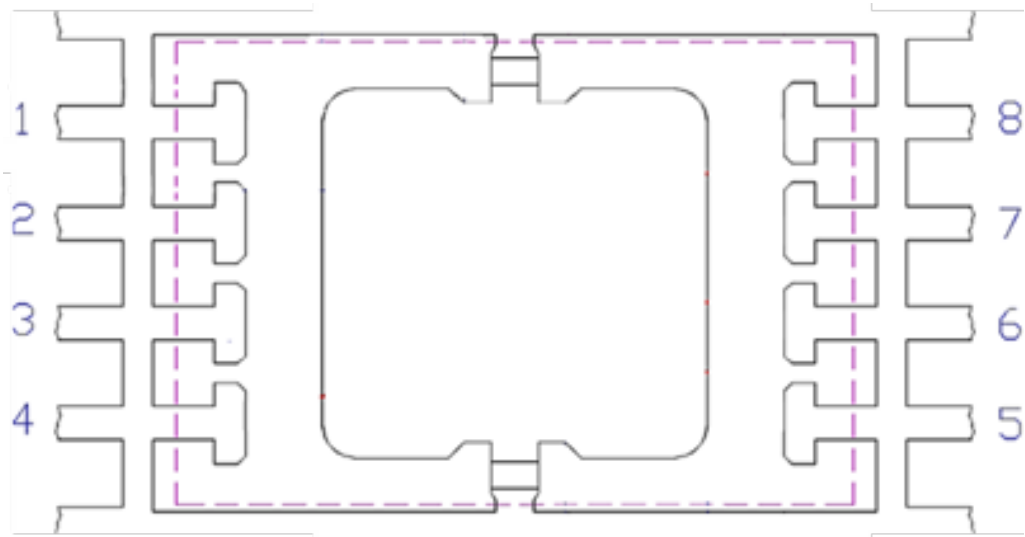
ASSH



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