



Product Change Notification / CENO-13NWUA734

Date:

30-Jan-2024

Product Category:

Memory

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6079 Final Notice: Qualification of MTAI as an additional assembly site for selected AT24C512C-SSHxx, AT24CM01-SSHxx and AT24CM02-SSHxx device families available in 8L SOIC (3.90mm(.150in)) package.

Affected CPNs:

[CENO-13NWUA734_Affected_CPN_01302024.pdf](#)

[CENO-13NWUA734_Affected_CPN_01302024.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 an additional assembly site for selected AT24C512C-SSHxx, AT24CM01-SSHxx and AT24CM02-SSHxx device families available in 8L SOIC (3.90mm(.150in)) package.

Pre and Post Change Summary:

	Pre Change		Post Change		
Assembly Site	Amkor Technology Philippine (P1/P2), INC. (ANAP)	ATX Semiconductor (Shanghai)Co. Ltd (ASSH)	Amkor Technology Philippine (P1/P2), INC. (ANAP)	ATX Semiconductor (Shanghai)Co. Ltd (ASSH)	Microchip Technology Thailand (HQ) (MTAI)
Wire Material	PdCu	CuPdAu	PdCu	CuPdAu	CuPdAu
Die Attach Material	8290	EN-4900G	8290	EN-4900G	QMI-519
Molding Compound Material	G700A	CEL9240HF10AK	G700A	CEL9240HF10AK	G600V
Lead-Frame Material	C194	C194	C194	C194	A194
Lead-Frame Paddle Size	95 x 155 mils	102 x 153 mils	95 x 155 mils	102 x 153 mils	104 x 153 mils
	See Pre and Post Change Comparison				
Lead Plating	NiPdAu	Matte tin	NiPdAu	Matte tin	Matte tin
DAP Surface Prep	PPF	Bare Cu	PPF	Bare Cu	Bare Cu

Note * C194, A194 or CDA194 Lead frame material are the same, it is just a MCHP internal labelling difference”.

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve productivity by qualifying MTAI as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:January 26, 2024 (date code: 2404)

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

Time Table Summary:

	May 2023	>	January 2024
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Workweek	1 8	1 9	2 0	2 1	2 2		0 1	0 2	0 3	0 4	0 5
Initial PCN Issue Date	x										
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:May 04, 2023: Issued initial notification.

January 10, 2024: Issued final notification. Attached the Qualification Report. Updated the LF material, Paddle size and Die Attach material of MTAI in the Pre and Post Change Summary. Provided estimated first ship date to be on January 26, 2024.

January 30, 2024: Re-issued final notification to update Pre and Post Change Summary.

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

Attachments:

[PCN_CENO-13NWUA734_Pre and Post_Change_Summary.pdf](#)

[PCN_CENO-13NWUA734 Qual Report.pdf](#)

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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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)

- AT24C512C-SSHMRVK-T
- AT24C512C-SSHD-B
- AT24C512C-SSHM-B
- AT24C512C-SSHD-T
- AT24C512C-SSHM-T
- AT24C512C-SSHDHB-T
- AT24C512C-SSHMHB-T
- AT24CM01-SSHM-B
- AT24CM01-SSHD-B
- AT24CM01-SSHM-T
- AT24CM01-SSHD-T
- AT24CM02-SSHM-B
- AT24CM02-SSHD-B
- AT24CM02-SSHM-T
- AT24CM02-SSHD-T