



Product Change Notification: NTDO-27KWWJ104

Date:

07-Feb-2025

Product Category:

Memory

Notification Subject:

CCB 7396 Initial Notice: Qualification of of U08D as a new fabrication site for selected products of the 24AA32A, 24AA32AF, 24LC32A, 24LC32AF, 24AA64, 24AA64F, 24FC64, 24FC64F, 24LC64, 24LC64F, AT24C32D, AT24C32E, AT24C64D and AT24C64B device families.

Affected CPNs:

[NTDO-27KWWJ104_Affected_CPN_02072025.pdf](#)

[NTDO-27KWWJ104_Affected_CPN_02072025.csv](#)

PCN Status: Initial 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 of U08D as a new fabrication site for selected products of the 24AA32A, 24AA32AF, 24LC32A, 24LC32AF, 24AA64, 24AA64F, 24FC64, 24FC64F, 24LC64, 24LC64F, AT24C32D, AT24C32E, AT24C64D and AT24C64B device families.

Pre and Post Summary Changes:

	Pre Change		Post Change
Device Family*	24AA32A	AT24C32D	24AA32A
	24AA32AF	AT24C32E	24AA32AF
	24LC32A	AT24C64D	24LC32A 24LC32AF 24AA64

	24LC32AF 24AA64 24AA64F 24FC64 24FC64F 24LC64 24LC64F		AT24C64B	24AA64F 24FC64 24FC64F 24LC64 24LC64F AT24C32D AT24C32E AT24C64D AT24C64B
Fabrication site	Microchip Technology Tempe – Fab 2 (TMGR)	Microchip Technology Gresham – Fab 4 (GRTM)	Microchip Technology Colorado (MCSO)	United Microelectronics Corporation (Fab 8D) (U08D)
Wafer Size	8"	8"	6"	8"

*Note: There will be no changes in catalog part numbers (CPN).

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability and on-time delivery performance by qualifying U08D as a new fabrication location.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: March 2025

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Timetable Summary:

	February 2025					March 2025				
Work Week	05	06	07	08	09	10	11	12	13	14
Initial PCN Issue Date		X								
Qual Report Availability										X
Final PCN Issue Date										X

Method to Identify Change: Traceability Code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History: February 7, 2025: Issued initial 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_NTDO-27KWWJ104_QualificationPlan.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)

24LC64T-I/OT

24AA64T-I/OT

24FC64T-I/OT

24LC64T-E/OT

24AA64T-E/OT

AT24C32D-SSHM-T

AT24C32D-MAHM-T

AT24C32D-MAHM-E

AT24C64D-MAHM-T-834

AT24C32E-MAHM-T

AT24C32E-SSHM-B

AT24C32E-SSHM-T

24LC32AFT-I/OT

24AA32AFT-I/OT

24LC32AFT-E/OT

24LC32AT-I/OT

24AA32AT-I/OT

24LC32AT-E/OT

24LC64FT-I/OT

24AA64FT-I/OT

24FC64FT-I/OT

24LC64FT-E/OT

AT24C32E-STUM-T

AT24C64BN-10SU-2.7

AT24C64BN-10SU-2.7-T

AT24C64D-MAHM-T

AT24C64D-MAHM-E

24LC32A/SN

24LC32A-E/SN

24LC32A-I/SN

24AA32A-I/SN

24LC32AT/SN

24LC32AT-I/SN

24AA32AT-I/SN

24LC32AT-E/SN

24LC32AF-E/ST

24LC32AF-I/ST

24AA32AF-I/ST

24LC32AFT-I/ST

24AA32AFT-I/ST

24LC32AFT-E/ST

24LC32AT-I/MC

24AA32AT-I/MC

24LC32AT-E/MC

24LC64F-E/ST

24LC64F-I/ST
24AA64F-I/ST
24FC64F-I/ST
24LC64FT-I/ST
24AA64FT-I/ST
24FC64FT-I/ST
24LC64FT-E/ST
24LC32AFT-I/MNY
24AA32AFT-I/MNY
24LC32AFT-E/MNY
24LC32AX-E/ST
24LC32AX-I/ST
24AA32AX-I/ST
24LC32AXT-I/ST
24LC32AXT-E/ST
24FC64-I/MC
24LC64T-I/MC
24AA64T-I/MC
24FC64T-I/MC
24AA64X/ST
24LC64X-E/ST
24AA64X-I/ST
24LC64X-I/ST
24AA64XT/ST
24AA64XT-I/ST
24LC64XT-I/ST
24LC64XT-E/ST
24LC64FT-I/MNY
24AA64FT-I/MNY
24FC64FT-I/MNY
24LC64FT-E/MNY
24AA64/SN
24LC64-E/SN
24AA64-E/SN
24LC64-I/SN
24AA64-I/SN
24FC64-I/SN
24AA64T/SN
24LC64T-I/SN
24AA64T-I/SN
24FC64T-I/SN
24LC64T-E/SN
24AA64T-E/SN
24LC64T-I/MNY
24AA64T-I/MNY
24FC64T-I/MNY
24LC64T-E/MNY
24LC64T-E/MNYAXX
24AA64T-E/MNY
24LC64-E/ST
24AA64-E/ST

24LC64-I/ST
24AA64-I/ST
24FC64-I/ST
24LC64T-I/ST
24AA64T-I/ST
24FC64T-I/ST
24LC64T-E/ST
24AA64T-E/ST
24LC32AT-I/MNY
24AA32AT-I/MNY
24LC32AT-E/MNY
24LC32A-E/ST
24LC32A-I/ST
24AA32A-I/ST
24LC32AT-I/ST
24AA32AT-I/ST
24AA32AXT-I/ST
24LC32AT-E/ST
24LC64F-E/SN
24LC64F-I/SN
24AA64F-I/SN
24FC64F-I/SN
24LC64FT-I/SN
24AA64FT-I/SN
24FC64FT-I/SN
24LC64FT-E/SN
24LC32AF-E/SN
24LC32AF-I/SN
24AA32AF-I/SN
24LC32AFT-I/SN
24AA32AFT-I/SN
24LC32AFT-E/SN
24LC32A-E/MS
24LC32A-I/MS
24AA32A-I/MS
24LC32AT-I/MS
24AA32AT-I/MS
24LC32AT-E/MS
24LC64-E/MS
24AA64-E/MS
24LC64-I/MS
24AA64-I/MS
24FC64-I/MS
24LC64T-I/MS
24AA64T-I/MS
24FC64T-I/MS
24LC64T-E/MS
24AA64T-E/MS
24LC64T-E/MC
24LC64F-E/MS
24LC64F-I/MS

24AA64F-I/MS
24FC64F-I/MS
24LC64FT-I/MS
24AA64FT-I/MS
24FC64FT-I/MS
24LC64FT-E/MS
24LC32AF-E/MS
24LC32AF-I/MS
24AA32AF-I/MS
24LC32AFT-I/MS
24AA32AFT-I/MS
24LC32AFT-E/MS
24LC32A/SM
24LC32A-E/SM
24LC32A-I/SM
24AA32A-I/SM
24LC32AT/SM
24AA32AT/SM
24LC32AT-I/SM
24AA32AT-I/SM
24LC32AT-E/SM
24LC64-E/SM
24AA64-E/SM
24LC64-I/SM
24AA64-I/SM
24FC64-I/SM
24LC64T-I/SM
24AA64T-I/SM
24FC64T-I/SM
24LC64T-E/SM
24AA64T-E/SM
24FC64-I/MF
24FC64T-I/MF
24LC64F-E/P
24LC64F-I/P
24AA64F-I/P
24FC64F-I/P
24LC32AF-E/P
24LC32AF-I/P
24AA32AF-I/P
24AA64/P
24LC64-E/P
24AA64-E/P
24LC64-I/P
24AA64-I/P
24FC64-I/P
AT24C32D-STUM-T
24LC32A/P
24LC32A-E/P
24LC32A-I/P
24AA32A-I/P

AT24C64D-SSHM-B
AT24C64D-SSHM-T
AT24C64D-SSHMNP-T
AT24C32E-PUM
AT24C64D-XHMAU-T
AT24C32E-XHM-B
AT24C32E-XHM-T
AT24C64D-XHM-B
AT24C64D-XHM-T
AT24C64B-10PU-2.7
AT24C32D-SSHM-B
AT24C32D-SSHMFD-T
AT24C32D-XHM-B
AT24C32D-XHM-T
AT24C64B-10TU-1.8
AT24C64B-10TU-2.7
AT24C64B-10TU-2.7-T
AT24C64B-10TU-1.8-T
AT24C64D-SSHMG-T
AT24C32D-SSHMNP-T



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QUALIFICATION PLAN SUMMARY

PCN# NTDO-27KWWJ104

**Date:
December 23, 2024**

Qualification of U08D as a new fabrication site for selected products of the 24AA32A, 24AA32AF, 24LC32A, 24LC32AF, 24AA64, 24AA64F, 24FC64, 24FC64F, 24LC64, 24LC64F, AT24C32D, AT24C32E, AT24C64D and AT24C64B device families.

Purpose: Qualification of U08D as a new fabrication site for selected products of the 24AA32A, 24AA32AF, 24LC32A, 24LC32AF, 24AA64, 24AA64F, 24FC64, 24FC64F, 24LC64, 24LC64F, AT24C32D, AT24C32E, AT24C64D and AT24C64B device families.

CCB No.: 7396

Qual Step	Details/Conditions
Sort Yield	CP1 @ 125C
	CP2 @ 40C
	CP3 @ 25C
Final Test + Qual Baseline	FT1 @ 25C
	QC1 @ 25C
	QC2 @ -40C
	QC3 @ 85C
	QC4 @ 125C
ESD	HBM (7KV)
Latch Up	200mA, 25C 105mA, 125C
ESD	CDM (2KV)
Early Life Failure Rate (ELFR)	48hr @ 125C
Endurance (EDR)	100k @ 85C
Dynamic Life Test (DLT)	1008hr @ 125C
Endurance (EDR)	100k @ 85C
Retention (RET)	168hr @ 175C
	504hr @ 175C