



Final Product Change Notification

202303019F01 : MC56F8345/8335/8145/8135 and MC56F832x/812x
Fab Site Expansion from TSMC3 to NXP-CHD

Note: This notice is NXP Company Proprietary.

Issue Date: Jul 26, 2023 **Effective date:** Oct 24, 2023

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For detailed information we invite you to [view this notification online](#)

Management summary

Wafer Fabrication site expansion for the MC56F8345/8335/8145/8135 and MC56F832x/812x from the current Taiwan Semiconductor Manufacturing Company Fab 3(TSMC3), Taiwan Wafer Fabrication site to the NXP CHD Fab Chandler, Arizona Wafer Fabrication site.

Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Errata
<input checked="" type="checkbox"/> Wafer Fab Location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Location	<input type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware <input type="checkbox"/> Other				

PCN Overview

Description

NXP Semiconductors announces the Wafer Fabrication site expansion for the MC56F8345/8335/8145/8135 and MC56F832x/812x associated with this notification, from the current Taiwan Semiconductor Manufacturing Company Fab 3(TSMC3), Taiwan Wafer Fabrication site to the NXP CHD Fab Chandler, Arizona Wafer Fabrication site.

Wafer Fabrication site expansion was successfully qualified adhering to NXP specifications.

Please see the attached file(s) for additional details.

Reason

Qualification of NXP CHD Fab Chandler, Arizona is required for manufacturing flexibility and customer supply assurance.

Identification of Affected Products

Top Side Marking

The mask marking for CHD will reflect 0P42G for MC56F8345/8335/8145/8135 and 0P48G for MC56F832x/812x, while the mask marking for TSMC3 will remain 1L56V for MC56F8345/8335/8145/8135 and 2L97V for MC56F832x/812x.

Product Availability

Sample Information

Samples are available upon request
PC56F8345MFGE, PC56F8323MFBE

Production

Planned first shipment Oct 25, 2023

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Fab Expansion. No Depletion of Inventory required.

Additional information

Self qualification: [view online](#)

Additional documents: [view online](#)

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Aug 25, 2023.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

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NXP Quality Management Team.

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