



Final Product Change Notification

201805014F01

Issue Date: 30-Aug-2018

Effective Date: 27-Nov-2018

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QUALITY

Management Summary

NXP Semiconductors is announcing the introduction of Wafer Fabrication site expansion for the temperature (V suffix: -40° to 105°C; and M suffix: -40° to 125°C) MC9S08AWXX products.

Change Category

☐ Wafer Fab Process	☐ Assembly Process	☐ Product Marking	☐ Test Location	☒ Design
☐ Wafer Fab Materials	☐ Assembly Materials	☐ Mechanical Specification	☐ Test Process	☒ Errata
☒ Wafer Fab Location	☐ Assembly Location	☐ Packing/Shipping/Labeling	☐ Test Equipment	☐ Electrical spec./Test coverage
☐ Firmware	☐ Other			

MC9S08AWXX Fab Expansion (NXP-CHD FAB to TSMC3) for V Suffix: -40° to 105°C and M Suffix: -40° to 125°C Products

Description of Change

NXP Semiconductors is announcing the introduction of Taiwan Semiconductor Manufacturing Company Fab 3 (TSMC3), Hsinchu, Taiwan as a dual source wafer manufacturing location for the extended temperature (V suffix: -40° to 105°C; and M suffix: -40° to 125°C) MC9S08AWXX products.

The current mask set for product sourced out of NXP-CHD Fab is identified as 5M75B.

The new mask set for product sourced out of TSMC3 Fab is identified as 1N20A.

An errata document is generated for the MC9S08AW60/48/32/16 Mask 1N20A devices associated with this notification. The document provides a detailed description of the changes, along with existing deviations

from datasheet identified on current production devices. Potential implications on customer applications are described.

1N20A:

The following erratum was fixed.

SE194-STOP3DCO: Stop3 Mode DCO Erratum.

The following erratum was update.

Changed to (1N20A) SE198B-ICG-RANGE=0, HGO=1 From (5M75B) SE198A-ICG-RANGE=0, HGO=1O Oscillator Mode Erratum.

The errata MSE9S08AW60_ 1N20A revision 0 can be found at:

http://www.nxp.com/products/automotive-products/microcontrollers-and-processors/arm-mcus-and-mpus/s32-arm-processors-microcontrollers/8-bit-general-purpose-aw60-48-32-16-mcus:S08AW?tab=Documentation_Tab

Reason for Change

Qualification of Taiwan Semiconductor Manufacturing Company Fab 3 (TSMC3), Hsinchu, Taiwan is required for manufacturing flexibility and customer supply assurance.

Identification of Affected Products

Top side marking

Part marking for maskset information will be 1N20A for TSMC Fab3 and remain 5M75B for CHD Fab.

Product Availability

Sample Information

Samples are available from 01-Jun-2018

Part number is KC9S08AW60MFUE

Production

Planned first shipment 30-Nov-2018

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

There is no change to product form, fit, function, or reliability, for the new identified errata, there are potential hardware and / or software implications to customers.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

NXP will reserve the right to ship from any location based on market demand situation.

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by 29-Sep-2018.

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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Position Product engineer

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Customer Focus, Passion to Win.

NXP Quality Management Team.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
MC9S08AW16MFGE	935321055557	MC9S08AW16MFGE	8 BIT 16K FLASH 4K RAM	SOT389-2	LQFP44	RFS	BL Microcontrollers
MC9S08AW32VFGE	935324214557	MC9S08AW32VFGE	8 BIT 16K FLASH 4K RAM	SOT389-2	LQFP44	RFS	BL Microcontrollers