Final Product Change Notification | 201804013F01

Issue Date: 24-May-2018
Effective Date: 22-Aug-2018

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QUALITY

Management Summary

NXP Semiconductors announces the MC9S08AWXX 0N20A maskset update to 1N20A for OSC drive current increase and ICG fix.

Change Category

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

MC9S08AWXX TSMC3 Maskset Update to 1N20A for Design Fix

Description of Change

NXP Semiconductors is announcing a new version of silicon for the MC9S08AWXX 0N20A product line. The new silicon mask revision will be 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 removed.
SE194-STOP3DCO: Stop3 Mode DCO Erratum.
The following erratum was added.
SE198B-ICG-RANGE=0, HGO=1: 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
The release of MC9S08AWXX 1N20A maskset fixes Erratum SE194-STOP3DCO: Stop3 Mode DCO.
Identification of Affected Products
Top side marking
The maskset information in the marking will be changed from 0N20A to 1N20A.

Product Availability

Sample Information
Samples are available from 26-Apr-2018
Part number is PC9S08AW60MFUE
Production
Planned first shipment 24-Jul-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
Existing inventory will be shipped until depleted

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by 23-Jun-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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At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.
Customer Focus, Passion to Win.

NXP Quality Management Team.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Name	Status	Product Line
MC9S08AW32CPUE	935313552557	MC9S08AW32CPUE	8 BIT 32K FLASH 4K RAM C	QFP64	RFS	BL Microcontrollers
MC9S08AW60CFUE	935316647557	MC9S08AW60CFUE	8 BIT 60K FLASH 4K RAM	QFP64	RFS	BL Microcontrollers
MC9S08AW32CFGE	935313549557	MC9S08AW32CFGE	8 BIT 16K FLASH 4K RAM	LQFP44	RFS	BL Microcontrollers
MC9S08AW60CFGE	935322654557	MC9S08AW60CFGE	8 BIT 60K FLASH 4K RAM	LQFP44	RFS	BL Microcontrollers
MC9S08AW16CFUE	935325197557	MC9S08AW16CFUE	8 BIT 16K FLASH 4K RAM	QFP64	RFS	BL Microcontrollers
MC9S08AW16CFGER	935313519528	MC9S08AW16CFGER	8 BIT 16K FLASH 4K RAM	LQFP44	RFS	BL Microcontrollers
MC9S08AW16CFGE	935313519557	MC9S08AW16CFGE	8 BIT 16K FLASH 4K RAM	LQFP44	RFS	BL Microcontrollers
MC9S08AW32CFGER	935313549528	MC9S08AW32CFGER	8 BIT 16K FLASH 4K RAM	LQFP44	RFS	BL Microcontrollers
MC9S08AW32CFUE	935313556557	MC9S08AW32CFUE	8 BIT 16K FLASH 4K RAM	QFP64	RFS	BL Microcontrollers
MC9S08AW60CPUE	935309445557	MC9S08AW60CPUE	8 BIT 60K FLASH 4K RAM	QFP64	RFS	BL Microcontrollers