



## PRODUCT AND PROCESS CHANGE NOTIFICATION

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**ISSUE DATE:** 11-Apr-2014  
**NOTIFICATION:** 16192  
**TITLE:** MC9S08SH32/SH16 DATASHEET UPDATE  
**EFFECTIVE DATE:** 10-Jul-2014

### DEVICE(S)

MPN
MC9S08SH16CTG
MC9S08SH16CTGR
MC9S08SH16CTJ
MC9S08SH16CTJR
MC9S08SH16CTL
MC9S08SH16CTLR
MC9S08SH16CWL
MC9S08SH16CWLR
MC9S08SH16MTG
MC9S08SH16MTJ
MC9S08SH16MTJR
MC9S08SH16MTL
MC9S08SH16VTJ
MC9S08SH16VTJR
MC9S08SH32CTG
MC9S08SH32CTGR
MC9S08SH32CTJ
MC9S08SH32CTL
MC9S08SH32CTLR
MC9S08SH32CWL
MC9S08SH32CWLR
MC9S08SH32MTG
MC9S08SH32MTJ
MC9S08SH32MTL
MC9S08SH32MWL
MC9S08SH32VTL

According to JEDEC Standard JESD46, lack of acknowledgement of this PCN within 30 days will be considered acceptance of change.

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## **AFFECTED CHANGE CATEGORIES**

- DATASHEET

## **DESCRIPTION OF CHANGE**

The MC9S08SH32/MC9S08SH16 Datasheet has been updated to revision 3. The revision history included in the updated document provides a detailed description of the changes.

1. Removed Preliminary label from datasheet.
2. Corrected Memory Map for device 9S08SH16, changed the value of "Unimplemented Bytes" from "26,538" to "26,528" in Figure 4-1 "MC9S08SH32/16 Memory Map", Section 4.1 of Chapter 4.
3. Corrected reserved register bits, changed 0's to dashes in Table 4-4 "Nonvolatile Register Summary", Section 4.3 and Figure 4-6 "FLASH Options Register (FOPT)", Section 4.7.2 of Chapter 4.
4. Removed conditional statements from BRA and BRN instructions in Table 7-2 "Instruction Set Summary (Sheet 3 of 9)", Section 7.2 of chapter 7.
5. Add one note in Section 9.1 "Introduction" of chapter 9.
6. For parameter "Internal low power oscillator period" changed "Min" value from "800" to "700" in Table A-13 "Control Timing", Section A12.1 of Appendix A.
7. Added radiated emissions data to Table A-17 "Radiated Emissions, Electric Field, Section A14.1 of Appendix A.
8. Removed section A.14.2 "Conducted Transient Susceptibility" of Appendix A.
9. Updated section B.2 Mechanical Drawings to point to the Freescale web site, deleted the current package drawings.

The MC9S08SH32/MC9S08SH16 Datasheet can be found at [http://www.freescale.com/webapp/sps/site/prod\\_summary.jsp?code=S08SH&nodeId=01624684491437EDDD&fpcsp=1&tab=Documentation\\_Tab](http://www.freescale.com/webapp/sps/site/prod_summary.jsp?code=S08SH&nodeId=01624684491437EDDD&fpcsp=1&tab=Documentation_Tab)

## **REASON FOR CHANGE**

The MC9S08SH32/MC9S08SH16 Datasheet has been updated to correct errors and provide additional technical clarification on some device features.

**ANTICIPATED IMPACT OF PRODUCT CHANGE(FORM, FIT, FUNCTION, OR RELIABILITY)**

There is no impact to device form, fit, function or reliability.

**QUALIFICATION STATUS:** N/A

**QUALIFICATION PLAN:**

N/A

**RELIABILITY DATA SUMMARY:**

N/A

**ELECTRICAL CHARACTERISTIC SUMMARY:**

N/A

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**CHANGED PART IDENTIFICATION:**

N/A

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**ATTACHMENT(S):**

External attachment(s) FOR this notification can be viewed AT:

[16192\\_MC9S08SH32\\_Rev.3.pdf](http://www.freescale.com/files/shared/doc/pcn/PCN16192.htm)

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