



## PRODUCT AND PROCESS CHANGE NOTIFICATION

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**ISSUE DATE:** 21-Feb-2013  
**NOTIFICATION:** 15505  
**TITLE:** 9S08LL16 LCD Design Change and Datasheet Update  
**EFFECTIVE DATE:** 22-May-2013

### **DEVICE(S)**

MPN
MC9S08LL16CGT
MC9S08LL16CGTR
MC9S08LL16CLF
MC9S08LL16CLH
MC9S08LL16CLHR
MC9S08LL8CGT
MC9S08LL8CLF

### **AFFECTED CHANGE CATEGORIES**

- DESIGN CHANGE

### **DESCRIPTION OF CHANGE**

Freescale Semiconductor is pleased to announce the successful completion of the 9S08LL16/8 (mask set 4M60K) qualification in the CHD fab in Chandler, USA. The mask set 4M60K is a design tweak to fix potential LCD Segment Unintentional Ghosting Issue.

Freescale Semiconductor is announcing a datasheet change for MC9S08LL16/8 family. Parameter "Input leakage current" (Page12, Table 8. DC Characteristics) set up a new limit for LCD only pins (lcd16~29). MC9S08LL16/8 datasheets have been updated to revision 7, updated datasheets can be found at

[http://cache.freescale.com/files/microcontrollers/doc/data\\_sheet/MC9S08LL16.pdf](http://cache.freescale.com/files/microcontrollers/doc/data_sheet/MC9S08LL16.pdf)

The revision history included in the updated document provides a detailed description of the changes

### **REASON FOR CHANGE**

Fix potential LCD Segment Unintentional Ghosting Issue by design change.

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

No change to form, fit, function or reliability.

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Freescale will consider specific conditions of acceptance of this change submitted within 30 days of receipt of this notice on a case by case basis. To request further data or inquire about the notification, please enter a [Service Request](#).

For sample inquiries - please go to [www.freescale.com](http://www.freescale.com)

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**QUAL DATA AVAILABILITY DATE:** 28-Dec-2012

**QUALIFICATION STATUS:** COMPLETED

**QUALIFICATION PLAN:**

Refer to attached qualification report.

**RELIABILITY DATA SUMMARY:**

Refer to attached qualification report.

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Electrical characterization was done and meets electrical specifications.

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**CHANGED PART IDENTIFICATION:**

There is no change to the orderable part number, part marking for mask set information will be changed from 3M60K to 4M60K.

**SAMPLE AVAILABILITY DATE:** 21-Jan-2013

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**ATTACHMENT(S):**

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

[15505\\_9S08LL16\\_design\\_fix\\_qual\\_report\\_CTM.pdf](#)

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