



PRODUCT AND PROCESS CHANGE NOTIFICATION

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ISSUE DATE: 24-Apr-2012
NOTIFICATION: 15067
TITLE: 9S08LH64/9S08LL64 Mask Revision and Datasheet Update
EFFECTIVE DATE: 23-Jul-2012

DEVICE(S)

MPN
MC9S08LH36CLH
MC9S08LH36CLK
MC9S08LH64CLH
MC9S08LH64CLK
MC9S08LL36CLH
MC9S08LL36CLK
MC9S08LL64CLH
MC9S08LL64CLK

AFFECTED CHANGE CATEGORIES

- DESIGN CHANGE
- MASK SET REV (SAME FAB SITE)

DESCRIPTION OF CHANGE

Freescale Semiconductor is pleased to announce the successful completion of the 9S08LL64/LH64 (mask set 1N70B) qualification in the TSMC3 fab in Hsinchu, Taiwan. The mask set 1N70B is a design tweak to fix LCD Segment Unintentional Ghosting Issue.

Freescale Semiconductor is announcing a datasheet change for MC9S08LH64 / MC9S08LL64 family. Parameter "Input leakage current" (Page13, Table 8. DC Characteristics) set up a new limit for LCD only pins (lcd8-12, lcd21-41). MC9S08LH64/MC9S08LL64 datasheets have been updated to revision 6 / revision 7, both updated datasheets can be found at http://cache.freescale.com/files/microcontrollers/doc/data_sheet/MC9S08LL64.pdf?fsrch=1&WT_TYPE=Data the http://cache.freescale.com/files/microcontrollers/doc/data_sheet/MC9S08LH64.pdf?fsrch=1&WT_TYPE=Data

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

REASON FOR CHANGE

Fix 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.

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

QUAL DATA AVAILABILITY DATE: 07-Mar-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.

CHANGED PART IDENTIFICATION:

There is no change to the orderable part number, part marking for mask set information will be changed from 0N70B to 1N70B.

SAMPLE AVAILABILITY DATE: 20-Mar-2012

ATTACHMENT(S):

External attachment(s) FOR this notification can be viewed AT:
[15067_15067_Data_Sheets_08LH64_rev6_08LL64_rev7.pdf](#)
[15067_9S08LH64_.pdf](#)

