



PRODUCT BULLETIN

Generic Copy

ISSUE DATE: 14-Aug-2013
NOTIFICATION: 15818
TITLE: MPC5643L Reference Manual Revision 10 and Maskset Errata For MPC5643L REV3.1 2N89D
EFFECTIVE DATE: 15-Aug-2013

DEVICE(S)

MPN
SPC5643LF0MLQ1
SPC5643LF0MLQ1R
SPC5643LF0MLQ8
SPC5643LF2MLQ1
SPC5643LF2MLQ8
SPC5643LF2MLQ8R
SPC5643LF2MMM1
SPC5643LF2MMM1R
SPC5643LF2VLQ8
SPC5643LFF0MLQ1
SPC5643LFF0MLQ1R
SPC5643LFF0MLQ8
SPC5643LFF2MLQ1
SPC5643LFF2MLQ1R
SPC5643LFF2MMM1
SPC5643LFF2MMM1R
SPC5643LFF0MLQ1
SPC5643LFF0MLQ1R

AFFECTED CHANGE CATEGORIES

- ERRATA

DESCRIPTION OF CHANGE

The MPC5643L Reference Manual has been updated to revision 10. The revision history included in the updated document provides a detailed description of the changes.

The MPC5643L Reference Manual can be found at
http://www.freescale.com/webapp/sps/site/prod_summary.jsp?code=MPC564xL&nodeId=01624606C1427E&fpp=1&tab=Documentation_Tab.
A summary of the document changes is attached to this notice.

The MPC5643L errata documentation has been updated to include an additional erratum that has been identified.

e6967: eDMA: Possible misbehavior of a preempted channel when using continuous link mode

The updated errata documentation is attached to this notice and can be found at:

http://www.freescale.com/webapp/sps/site/prod_summary.jsp?code=MPC564xL&nodeId=01624606C1427E&fpp=1&tab=Documentation_Tab

REASON FOR CHANGE

The MPC5643L Reference Manual has been updated to correct errors and provide additional technical clarification on some device features.

The errata documentation for MPC5643L has been updated.

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

No changes have been made to the current production device. The errata describe existing conditions identified on current production devices. There are potential hardware and/or software implications to customers.

NOTE:

THE CHANGE(S) SPECIFIED IN THIS NOTIFICATION WILL BE IMPLEMENTED ON THE EFFECTIVE DATE LISTED ABOVE. 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-Aug-2013

QUALIFICATION STATUS: COMPLETED

QUALIFICATION PLAN:

N/A

RELIABILITY DATA SUMMARY:

N/A

ELECTRICAL CHARACTERISTIC SUMMARY:

N/A

CHANGED PART IDENTIFICATION:

N/A

ATTACHMENT(S):

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

[15818_Mask_Set_Errata_for_MPC5643L_Mask_REV3.1_2N89D.pdf](#)

[15818_MPC5643LRM.pdf](#)
