PRODUCT BULLETIN
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ISSUE DATE:	02-Apr-2013
NOTIFICATION:	15575
TITLE:	I.MX 6 SERIES LDO RAMP TIME
EFFECTIVE DATE:	03-Apr-2013

DEVICE(S)

MPN
MCIMX6D4AVT08AC
MCIMX6D4AVT08ACR
MCIMX6D4AVT10AC
MCIMX6D4AVT10ACR
MCIMX6D5EYM10AC
MCIMX6D5EYM12AC
MCIMX6D6AVT08AC
MCIMX6D6AVT08ACR
MCIMX6D6AVT10AC
MCIMX6D6AVT10ACR
MCIMX6D7CVT08AC
MCIMX6Q4AVT08AC
MCIMX6Q4AVT08ACR
MCIMX6Q4AVT10AC
MCIMX6Q4AVT10ACR
MCIMX6Q5EYM10AC
MCIMX6Q5EYM12AC
MCIMX6Q6AVT08AC
MCIMX6Q6AVT08ACR
MCIMX6Q6AVT10AC
MCIMX6Q6AVT10ACR
MCIMX6Q7CVT08AC
MCIMX6S1AVM08AB
MCIMX6S1AVM08ABR
MCIMX6S4AVM08AB
MCIMX6S4AVM08ABR
MCIMX6S5DVM10AB
MCIMX6S5DVM10ABR

MCIMX6S5EVM10AB
MCIMX6S5EVM10ABR
MCIMX6S6AVM08AB
MCIMX6S6AVM08ABR
MCIMX6S7CVM08AB
MCIMX6S8DVM10AB
MCIMX6U1AVM08AB
MCIMX6U1AVM08ABR
MCIMX6U4AVM08AB
MCIMX6U4AVM08ABR
MCIMX6U5DVM10AB
MCIMX6U5EVM10AB
MCIMX6U6AVM08AB
MCIMX6U6AVM08ABR
MCIMX6U7CVM08AB
MCIMX6U8DVM10AB
SC6Q888YM10AC

AFFECTED CHANGE CATEGORIES
- DEVICE SPECIFICATION / ERRATA

DESCRIPTION OF CHANGE

Production i.MX 6 units are shipping with a change in the default operation of the LDO ramp time resulting in a failure to switch from 800MHz to 1GHz or higher frequencies which puts the part into an indeterminate state.

There is a software patch that corrects the default operation and needs to be installed on all i.MX 6 based systems.

The software patch is available on freescale.com.

i.MX 6Quad – www.freescale.com/imx6q
i.MX 6Dual – www.freescale.com/imx6d
i.MX 6DualLite – www.freescale.com/imx6dl
i.MX 6Solo – www.freescale.com/imx6s

Select the "Software and Tools" tab and then expand the section "Updates and Patches". The relevant patches are:

i.MX 6Quad, i.MX 6Dual:
Linux: L3.0.35_1.1.1_LDO_PATCH
Android: IMX6_R13.4103_ANDROID_LDO_PATCH

i.MX 6DualLite, i.MX 6Solo:
Linux: L3.0.35_3.0.3_LDO_PATCH
Android: IMX6_R13.4103_ANDROID_LDO_PATCH

REASON FOR CHANGE

The software patch corrects the LDO ramp time and ensures proper operation at 1GHz or higher frequencies. It is recommended that all customers implement the software patch in their i.MX 6 based systems.

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

Implementing the software patch will ensure the correct LDO ramp time and thus proper operation of the part at 1GHz or higher frequencies.

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: 15-Mar-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):

N/A