FSL Logo

PRODUCT BULLETIN
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ISSUE DATE: 01-Jul-2016
NOTIFICATION: 17219
TITLE: MPC5746C Errata Update to Revision 4
EFFECTIVE DATE: 02-Jul-2016

DEVICE(S)

MPN
SPC5745BK1MMH6
SPC5745BK1MMH6R
SPC5746BK1MMJ6
SPC5746BK1MMJ6R
SPC5746BSK1MKU2
SPC5746BSK1MKU2R
SPC5746BSK1VKU2
SPC5746BSK1VKU2R
SPC5746CK1MMJ6
SPC5746CK1MMJ6R
SPC5746CSK1MKU6
SPC5746CSK1MMH6
SPC5746CSK1MMH6R
SPC5746CSK1MMJ6
SPC5746CSK1MMJ6R
SPC5746CSK1MMN6

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AFFECTED CHANGE CATEGORIES
• ERRATA

DESCRIPTION OF CHANGE

The MPC5746C errata documentation has been updated to Revision 4.

The wording of the following errata have been added:

Errata number	Errata Title
E10327	ADC: Incorrect channel under measure is indicated after sampling phase of conversion until conversion completes
E10323	MC_ME: The transition from DRUN/RUN mode to STANDBY will not complete if a wake-up is triggered in a 50nS window.
e10447	MC_ME & LPU: The transition between DRUN/RUN mode to STANDBY or DRUN/RUN mode to LPU_RUN may not complete if a reset is asserted.
e10340	NEXUS: Trace messages following reset are corrupted when the system is reset during Nexus trace operation
e10362	MC_ME & LPU: The transition between DRUN/RUN mode to STANDBY or DRUN/RUN mode to LPU_RUN may not complete if any LVD is asserted or PORST goes low
e10361	MC_ME & LPU: The transition between DRUN/RUN mode to STANDBY or DRUN/RUN mode to LPU_RUN may not complete if EXR is asserted.
e10368	FlexCAN: Transition of the CAN FD operation enable bit may lead FlexCAN logic to an inconsistent state.

The following erratum has been revised:

Errata number	Errata Title
e10132	LPU: Mode transition to LPU_STOP or LPU_STANDBY may not complete

The following erratum has been removed:

Errata number	Errata Title
E9994	SSCM: sscm asserts destructive reset if ECC error is detected during HSM scanning

The updated errata documentation is attached to this notice and can be found at: http://www.nxp.com/products/microcontrollers-and-processors/power-architecture-processors/mpc5xxx-5xxx-32-bit-mcus/mpc57xx-mcus/ultra-reliable-mcus-for-automotive-industrial-control-and-gateway:MPC574xB-C-D-G?fpsp=1&tab=Documentation_Tab

REASON FOR CHANGE

The errata documentation for the MPC5746C 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 device. 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 Support Case. Be aware that after you select this link to enter your request, you must choose the topic "Product Change Notification" once on the Salesforce page.

For sample inquiries - please go to www.nxp.com

QUALIFICATION STATUS: N/A

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:
17219_ZVEI_DeQuMa_-_MPC5746C_(Calypso_3M)_-_Errata_Update_GM_PB_17219_-_June2016.pdf
17219_MPC5746C_1N06M_Errata_July_2016_Rev_4.pdf