Customer Information Notification

202101004I : RT600 Datasheet Update to rev 1.7

Note: This notice is NXP Company Proprietary.

Issue Date: Feb 10, 2021 **Effective date:Feb 11, 2021**

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Management summary

The RT600 microcontroller datasheet has been updated to rev 1.7.

Change Category

[ ]Wafer Fab Process	[ ]Assembly Process	[ ]Product Marking	[ ]Test Process	[ ]Design
[ ]Wafer Fab Materials	[ ]Assembly Materials	[ ]Mechanical Specification	[ ]Test Equipment	[ ]Errata
[ ]Wafer Fab Location	[ ]Assembly Location	[ ]Packing/Shipping/Labeling	[ ]Test Location	[X]Electrical spec./Test coverage
[ ]Firmware	[ ]Other			

PCN Overview

Description

The RT600 microcontroller datasheet has been updated to rev 1.7.
https://www.nxp.com/docs/en/data-sheet/DS-RT600.pdf

Table 20 "General operating conditions" has been updated for max frequency vs. VDDCORE voltage. Users should use SDK version 2.8.3 and later.

Reason

To let users know the latest power conditions and max frequencies for M33 and DSP.

Identification of Affected Products

Product identification does not change

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality
No impact on form, fit, reliability or quality. The functional operating conditions have been updated as stated above.

Data Sheet Revision

A new datasheet will be issued

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

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NXP Quality Management Team.

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Affected Part Numbers

MIMXRT633SFVKB

MIMXRT685SFVKB

MIMXRT685SFFOBR

MIMXRT685SFFOB

MIMXRT685SFAWBR