NXP

Customer Information Notification	202008031I

Issue Date: 11-Sep-2020
Effective Date: 12-Sep-2020

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[ ] Firmware	[X] Other - Data Sheet Update for correction and clarification			

i.MX RT1064 Data Sheet IMXRT1064CEC/IEC Update to Rev 2

Description

NXP Semiconductors announces data sheet update to revision 2 for i.MX RT1064. The revision history included in the updated document provides a detailed description of the changes. Changes are summarized below.

1. Changed the MPCore to core in the Section 1.1
2. Added new part numbers in the Table 1, Ordering information
3. Updated the Figure 1, "Part number nomenclature--i.MX RT1064"
4. Corrected the frequency of RTC OSC in the Table 2 from 32.678kHz to 32.768kHz
5. Updated conditions and maximum current of DCDC_IN in the Table 12, Maximum supply currents from 100mA to 110mA
6. Added a restrictions in the Section 4.2.1.1, Power-up sequence
7. Added typical values of IOH and IOL in the Table 22, Single voltage GPIO DC parameters
8. Corrected the minimum and maximum values in the Table 33, SEMC output timing in SYNC mode
9. Corrected the VDDAD to VDDA in Table 54 and Table 55

The i.MXRT1064 data sheet revision 2 is attached to this notice, and can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/i.mx-rt-series/i.mx-rt1064-crossover-processor-with-arm-cortex-m7-core:i.MX-RT1064?tab=Documentation_Tab&linkline=Data-Sheet

Reason

The data sheets have been updated to correct errors and / or provide additional technical clarification on some device features.

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.

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.

For specific questions on this notice or the products affected please contact our specialist directly:

Name   technical support
e-mail address   tech.support@nxp.com

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
MIMXRT1064DVL6A	935377469557	MIMXRT1064DVL6A	i.MXRT1064	SOT1546-2	LFBGA196	RFS	MCUs
MIMXRT1064CVL5A	935377468557	MIMXRT1064CVL5A	i.MXRT1064	SOT1546-2	LFBGA196	RFS	MCUs