



Customer Information Notification **Update**

202108019IU01 : i.MX 8M Plus Consumer and Industrial Datasheet

Update to Rev.2

Note: This notice is NXP Company
Proprietary.

Issue Date: Apr 02, 2023 **Effective date:** Apr 03, 2023

Management summary

Industrial and Consumer Datasheet (DS) update for i.MX 8M Plus to revision 2.

Change Category

- | | | | | |
|--|--|--|--|--|
| <input type="checkbox"/> Wafer
Fab
Process | <input type="checkbox"/> Assembly
Process | <input type="checkbox"/> Product Marking | <input type="checkbox"/> Test
Process | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer
Fab
Materials | <input type="checkbox"/> Assembly
Materials | <input type="checkbox"/> Mechanical
Specification | <input type="checkbox"/> Test
Equipment | <input type="checkbox"/> Errata |
| <input type="checkbox"/> Wafer
Fab
Location | <input type="checkbox"/> Assembly
Location | <input type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test
Location | <input checked="" type="checkbox"/> Electrical
spec./Test
coverage |
| <input type="checkbox"/> Firmware | <input checked="" type="checkbox"/> Other: datasheet | | | |

PCN Overview

Description

NXP Semiconductors announces Industrial and Consumer Datasheet (DS) update for i.MX 8M Plus to revision 2. The revision history included in the updated document provides a detailed description of the changes.

Highlighted Changes:

- Updated the Figure 2, "Part number nomenclature—i.MX 8M Plus family of processors"
- Updated IPP_DO_CLKO1, IPP_DO_CLKO2, GIC_CLK_ROOT, MAIN_AXI_CLK_ROOT,

WRCLK_CLK_ROOT and MEMREPAIR in the Table 13, "Maximum frequency of modules"

- Updated Figure 44, "FlexSPI output timing in SDR mode"
- In Table 21, "Chip power in different LP mode" added SNVS mode
- For VIDEO_PLL1, changed the value from '650 - 1190 MHz' to '325-650 MHz' in the Table 25, "PLL electrical parameters".
- Updated the footnotes in Table 65, "Master mode SAI timing (50 MHz)" and Table 67, "Slave mode SAI timing (50 MHz)".
- Added text "Level shifters are... by HDMI interface" in Section 3.8.8, HDMI Tx module parameters.

The i.MX 8M Plus Industrial and Consumer Datasheet Rev.2 are attached to this notice, and can be found at:

<https://www.nxp.com/webapp/Download?colCode=IMX8MPIEC>

<https://www.nxp.com/webapp/Download?colCode=IMX8MPCEC>

Reason

Datasheet has been updated to correct errors and provide additional technical clarification on some device features. Added new Part number nomenclature.

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

Additional information

Additional documents: [view online](#)

Update Information

Datasheet has been updated to correct errors and provide additional technical clarification on some device features. Added new Part number nomenclature.

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 Tech Support

Position NXP Technical Support

e-mail

address <https://www.nxp.com/support/support:SUPPORTHOME>

At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards. Customer Focus, Passion to Win.

NXP Quality Management Team.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

NXP Semiconductors

High Tech Campus, 5656 AG Eindhoven, The Netherlands

© 2006-2023 NXP Semiconductors. All rights reserved.