Customer Information Notification | 202005015l

Issue Date: 18-Nov-2020
Effective Date: 19-Nov-2020

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Change Category

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

i.MX 8M Dual / 8M QuadLite / 8M Quad Applications Processors Data Sheet for Consumer Products

Description

NXP Semiconductors announces a datasheet update to revision 1.2 for I.MX 8M,The attached document provides a detailed description of the changes.

i.MX8M datasheet Rev.1.2 is attached to this notice and can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/arm-processors/i-mx-applications-processors/i-mx-8-processors/i-mx-8m-family-armcortex-a53-cortex-m4-audio-voice-video:i.MX8M?&tab=Documentation_Tab&linkline=Data-Sheet

Detail description:
Updated the minimum values and removed ESD parameters from Table 5, "Absolute maximum ratings"
Added the Table 6, "Electrostatic discharge and latch up ratings"
Added a footnote and updated the comment of temperature sensor accuracy in the Table 8, "Operating

ranges¿
Removed the Section, USB battery charger detection drive impedance
Removed the Section, USB_OTG_CHD_B USB battery charger detection external pullup resistor
connection

Reason
The datasheet has been released to correct errors and to 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:
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Position   SYSTEMS & APPLICATION ENGINEER
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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.

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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.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
MIMX8MQ5CVAHZAB	935377776557	MIMX8MQ5CVAHZAB	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MD6DVAJZAB	935377775557	MIMX8MD6DVAJZAB	i.MX 8MDual 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ5DVAJZAB	935377777557	MIMX8MQ5DVAJZAB	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MD6CVAHZAB	935377781557	MIMX8MD6CVAHZAB	i.MX 8MDual 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ6CVAHZAB	935377778557	MIMX8MQ6CVAHZAB	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ6DVAJZAB	935377779557	MIMX8MQ6DVAJZAB	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors