



Customer Information Notification

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Issue Date: 06-Jul-2019
Effective Date: 07-Jul-2019

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QUALITY

Change Category

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

i.MX8Mscale850D Data Sheet Rev 1.1 Update

Description

NXP Semiconductors announces a data sheet update for the i.MX8Mscale850D to revision 1.1. The revision history included in the updated documents provides a detailed description of the changes. Changes are summarized below:

Data Sheet Changes:

1. Updated the package type information in cover sheet
2. Updated the package type information in the Figure 2, "Part number nomenclature- i.MX 8M Dual/8M QuadLite / 8M Quad processors"
3. Updated eCSPI description in the Table 3, "i.MX 8M Dual / 8M QuadLite / 8M Quad modules list"
4. Added the core voltage, analog domain voltage, PLL 1.8 V voltage, 25 MHz crystal voltage, 27MHz crystal voltage, DDR I/O voltage, HDMI voltage, MIPI voltage, PCIe voltage, temperature sensor voltage, and fuse power in the Table 5, "Absolute maximum ratings"
5. Updated the Table 6, "Thermal resistance data"

6. Updated the RUN mode unit in the Table 10, "Chip power in different LP mode"

The i.MX8Mscale850D data sheet revision 1.1 is attached to this notice, and can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/arm-based-processors-and-mcus/i.mx-applications-processors/i.mx-8-processors/i.mx-8m-family-armcortex-a53-cortex-m4-audio-voice-video:i.MX8M?tab=Documentation_Tab

Reason

The data sheet has 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 Christina Shao
Position Product Engineer
e-mail address christina.shao@nxp.com

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Customer Focus, Passion to Win.

NXP Quality Management Team.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
MIMX8MD6DVAJZAA	935358608557	MIMX8MD6DVAJZAA	i.MX 8MDual 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ5DVAJZAA	935358613557	MIMX8MQ5DVAJZAA	i.MX 8MQuad Lt 17X17 nol	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MD6CVAHZAA	935358607557	MIMX8MD6CVAHZAA	i.MX 8MDual 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ5CVAHZAB	935377776557	MIMX8MQ5CVAHZAB	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ5DVAJZAB	93537777557	MIMX8MQ5DVAJZAB	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ6DVAJZAA	935358615557	MIMX8MQ6DVAJZAA	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
MIMX8MD6DVAJZAB	935377775557	MIMX8MD6DVAJZAB	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
MIMX8MQ6CVAHZAA	935358614557	MIMX8MQ6CVAHZAA	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	Apps Processors
MIMX8MQ5CVAHZAA	935358612557	MIMX8MQ5CVAHZAA	i.MX 8MQuad Lt 17X17 nol	SOT1840-3	FBGA621	RFS	Apps Processors