



Customer Information Notification

201808029I

Issue Date: 11-Oct-2018
Effective Date: 12-Oct-2018

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



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 checked="" 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 type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input type="checkbox"/> Other | | | |

i.MX 8M Quad, i.MX 8M Dual and i.MX 8M QuadLite Mask Set Update With New Part Numbers

Description

NXP Semiconductors announces i.MX 8M Quad, i.MX 8M Dual and i.MX 8M QuadLite mask set revision 2N14W.

Mask set 2N14W:

- Fixes Errata E11327, E11405, E11406 and E11418.
- Adds support for the following ROM operations:
 - Boot authentication for NAND boot when HDMI functionality is required.
 - MFG mode entry following an eMMC fast boot mode entry failure.
- Changes mask set ID to "2N14W".

Customer may now place orders for samples and for product.

New 2N14W part numbers include:
MIMX8MQ7CVAHZAB

MIMX8MD7CVAHZAB
MIMX8MQ6CVAHZAB
MIMX8MD6CVAHZAB
MIMX8MQ5CVAHZAB
MIMX8MQ7DVAJZAB
MIMX8MD7DVAJZAB
MIMX8MQ6DVAJZAB
MIMX8MD6DVAJZAB
MIMX8MQ5DVAJZAB

Target date for qualification is 4Q2018.

Sample Part Numbers currently available:

PIMX8MQ6DVAJZAB
PIMX8MQ6CVAHZAB

Sample availability is targeted for 18 Oct 2018.

Please contact your NXP sales or marketing representative for additional information.

Reason

Mask set 2N14W fixes four Errata and introduces performance enhancements.

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.

Disposition of Old Products

NXP recommends that all customers convert from mask set 1N14W to 2N14W. Mask set 1N14W is not recommended for new designs.

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 Paulo Knirsch
Position Product Marketing Manager
e-mail address Paulo.knirsch@nxp.com

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.

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NXP Semiconductors

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	New Orderable Part#	New part 12NC	New Part number	New part description	Product Line
MIMX8MD6CAHZAA	935358607557	MIMX8MD6CAHZAA	i.MX 8MDual 17X17 no lid	SOT1840-3	FBGA621	RFS	MIMX8MD6CAHZAB	935377781557	MIMX8MD6CAHZAB	i.MX 8MDual 17X17 no lid	BL Microcontrollers
MIMX8MD6DVAJZAA	935358608557	MIMX8MD6DVAJZAA	i.MX 8MDual 17X17 no lid	SOT1840-3	FBGA621	RFS	MIMX8MD6DVAJZAB	935377775557	MIMX8MD6DVAJZAB	i.MX 8MDual 17X17 no lid	BL Microcontrollers
MIMX8MQ5CAHZAA	935358612557	MIMX8MQ5CAHZAA	i.MX 8MQuad Lt 17X17 nol	SOT1840-3	FBGA621	RFS	MIMX8MQ5CAHZAB	935377776557	MIMX8MQ5CAHZAB	i.MX 8MQuad 17X17 no lid	BL Microcontrollers
MIMX8MQ5DVAJZAA	935358613557	MIMX8MQ5DVAJZAA	i.MX 8MQuad Lt 17X17 nol	SOT1840-3	FBGA621	RFS	MIMX8MQ5DVAJZAB	935377777557	MIMX8MQ5DVAJZAB	i.MX 8MQuad 17X17 no lid	BL Microcontrollers
MIMX8MQ6CAHZAA	935358614557	MIMX8MQ6CAHZAA	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	MIMX8MQ6CAHZAB	93537778557	MIMX8MQ6CAHZAB	i.MX 8MQuad 17X17 no lid	BL Microcontrollers
MIMX8MQ6DVAJZAA	935358615557	MIMX8MQ6DVAJZAA	i.MX 8MQuad 17X17 no lid	SOT1840-3	FBGA621	RFS	MIMX8MQ6DVAJZAB	93537779557	MIMX8MQ6DVAJZAB	i.MX 8MQuad 17X17 no lid	BL Microcontrollers