Customer Information Notification

202307028I : MPC5645S Mask Set 0N29D/1N29D, MPC5604P Mask Set 1M36W and MPC5643L Mask Set 2N89D/0N18H Errata Update

Note: This notice is NXP Company Proprietary.

Issue Date: Sep 24, 2023 **Effective date:**Sep 25, 2023

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

PCN Overview

Description

NXP Semiconductors announces errata update for the MPC5645S mask sets 0N29D/1N29D, the MPC5604P mask set 1M36W, and the MPC5643L mask sets 2N89D/0N18H products associated with this notification.

MPC5645S mask set 0N29D/1N29D from revision SEP/2022 to revision JUL/2023
MPC5604P mask set 1M36W from revision SEP/2022 to revision JUL/2023
MPC5643L mask sets 2N89D/0N18H from revision SEP/2022 to revision JUL/2023

The errata document provides a detailed description of the changes in history revision.

The MPC5645S mask sets 0N29D and 1N29D revision JUL/2023 is attached to this notification or can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc56xs-mcu-for-automotive-and-industrial-instrument-clusters:MPC564xS

The MPC5604P mask set 1M36W revision JUL/2023 is attached to this notification or can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc560xp-mcu-for-automotive-and-industrial-safety-applications:MPC560xP

The MPC5643L mask sets 2N89D and 0N18H revision JUL/2023 is attached to this notification or can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-dual-core-32-bit-mcu-for-automotive-and-industrial-applications:MPC564xL

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02
Reason
The Errata have been updated 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
No changes were made to the current production device. The errata describe existing conditions identified on current production devices.

Additional information

Additional documents: view online

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	NXP Tech Support Tech Support

Position	NXP Technical Support
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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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