



Customer Information Notification

202201014I : MPC5643L,MPC5674F,MPC5675K,MPC5607B,MPC5646C,MPC5604B/C,MPC5668 Data Sheet Update

Note: This notice is NXP Company Proprietary.

Issue Date: Feb 11, 2022 **Effective date:**Feb 12, 2022

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Change Category

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|--|--|--|---|---|
| <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 type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input checked="" type="checkbox"/> Other: Data Sheet Update | | | |

PCN Overview Description

NXP Semiconductors announces the Data sheet update for MPC5643L, MPC5674F, MPC5675K, MPC5607B, MPC5646C, MPC5604B/C and MPC5668.

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

All Data Sheets updated to add Flex Part option and Fab Indicator in "Ordering Information" section of the Data sheet.

MPC5675K and MPC5668x Microcontroller Data Sheets also include additional technical clarification.

The Data Sheet for each product is attached to this notification and can be found at the links below:

MPC5643L: 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?tab=Documentation_Tab

MPC5674F: https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc5674f-mcu-for-automotive-industrial-engine-management:MPC5674F?tab=Documentation_Tab

MPC5675K: https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc567xk-mcu-for-automotive-industrial-radar-applications:MPC567xK?tab=Documentation_Tab

MPC5607B: https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc56xb-mcu-for-automotive-and-industrial-general-purpose:MPC560xB?tab=Documentation_Tab

MPC5646C: <https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx->

microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc564xb-c-mcu-for-automotive-industrial-control-applications:MPC564xB-C?tab=Documentation_Tab

MPC5604B/C: https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc56xb-mcu-for-automotive-and-industrial-general-purpose:MPC560xB?tab=Documentation_Tab

MPC5668: https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc5668g-mcu-for-automotive-industrial-gateway-applications:MPC5668G?tab=Documentation_Tab

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02

Reason

The data sheet has been updated to provide additional technical clarification.

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

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Affected Orderable Part# 12NC

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