



Customer Information Notification

202108018I : MPC5644A, MPC5642A, MPC563xM, MPC5604P, MPC5643L and MPC5744P Errata Update

Note: This notice is NXP Company Proprietary.

Issue Date: Oct 30, 2021 **Effective date:** Oct 31, 2021

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Change Category

<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 checked="" 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 type="checkbox"/> Other			

PCN Overview

Description

NXP Semiconductors announces an errata update as below:

MPC5644A mask 0M14X errata revision August 2021
MPC5642A Mask 2N60C errata list update AUG2021
MPC563xM Mask 1M35Y and 2M35Y errata list update AUG2021
MPC5604P Mask 1M36W errata update August 2021
MPC5643L Mask 0N18H & 2N89D errata Update August 2021
MPC5744P Mask 1N65H and 1N15P Errata list update August 2021

The errata document provides a detailed description of the changes.

The MPC5644A mask 0M14X errata revision August 2021 are attached to this notice and can be found at:

https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc564xa-mcu-for-automotive-industrial-engine-management:MPC564xA?tab=Documentation_Tab

The MPC5642A mask 2N60C errata revision August 2021 are attached to this notice and can be found at:

https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc564xa-mcu-for-automotive-industrial-engine-management:MPC564xA?tab=Documentation_Tab

The MPC563XM mask 1M35Y and 2M35Y errata revision August 2021 are attached to this notice and can be found at:

https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc56xx-mcus/ultra-reliable-mpc563xm-for-automotive-industrial-engine-management:MPC563XM?tab=Documentation_Tab

The MPC5604P mask 1M36W errata revision August 2021 is attached to this notice and 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-industrial-safety-applications:MPC560xP?tab=Documentation_Tab

The MPC5643L mask 0N18H&2N89D errata revision August 2021 are attached to this notice and 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?tab=Documentation_Tab

The MPC5744P mask 1N65H and 1N15P errata revision June 2021 is attached to this notice and can be found at:

https://www.nxp.com/products/processors-and-microcontrollers/power-architecture/mpc5xxx-microcontrollers/ultra-reliable-mpc57xx-mcus/ultra-reliable-mpc574xp-mcu-for-automotive-industrial-safety-applications:MPC574xP?tab=Documentation_Tab

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

Reason

Errata has been updated to provide additional technical clarification.

Identification of Affected Products

Product identification does not change

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
Position NXP Technical Support
e-mail address tech.support@nxp.com

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	New Orderable Part#	12NC New	Product Type New
SPC5644AF0MLU1R	935310866528	SPC5644AF0MLU1R	32BIT,4MB Flash,192K RAM	(L)QFP176	SOT506-2	RFS	No			
SPC5644AF0MLU1	935310866557	SPC5644AF0MLU1	32BIT,4MB Flash,192K RAM	(L)QFP176	SOT506-2	RFS	No			
SPC5644AF0MVZ3R	935312023518	SPC5644AF0MVZ3R	32BIT,4MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5644AF0MVZ3	935312023557	SPC5644AF0MVZ3	32BIT,4MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5644AF0MVZ1R	935314506518	SPC5644AF0MVZ1R	32BIT,4MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5644AF0MVZ1	935314506557	SPC5644AF0MVZ1	32BIT,4MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5644AF0MMG3R	935314683518	SPC5644AF0MMG3R	32BIT,4MB Flash,192K RAM	BGA208M	SOT1513-1	RFS	No			
SPC5644AF0MMG3	935314683557	SPC5644AF0MMG3	32BIT,4MB Flash,192K RAM	BGA208M	SOT1513-1	RFS	No			
SPC5644AF0MVZ2R	935315281518	SPC5644AF0MVZ2R	32BIT,4MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5644AF0MVZ2	935315281557	SPC5644AF0MVZ2	32BIT,4MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5643AF0MVZ2R	935315477518	SPC5643AF0MVZ2R	32BIT,3MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5643AF0MVZ2	935315477557	SPC5643AF0MVZ2	32BIT,3MB Flash,192K RAM	PBGA324	SOT1129-3	RFS	No			
SPC5644AF0MMG1R	935317446518	SPC5644AF0MMG1R	32BIT,4MB Flash,192K RAM	BGA208M	SOT1513-1	RFS	No			

SPC5741PK1AMLQ8R	935316273528	SPC5741PK1AMLQ8R	1MB, 128K RAM, 144pin, 1	(L)QFP144	SOT486-2	RFS	No			
SPC5744PK1MLQ9	935320645557	SPC5744PK1MLQ9	2.5MB, 384K RAM,	(L)QFP144	SOT486-2	DOD	No			
SPC5742PFK1AMLQ9	935333782557	SPC5742PFK1AMLQ9	1.5MB, 192K RAM, 144pin,	(L)QFP144	SOT486-2	RFS	No			
SPC5742PK1AMLQ9R	935337096528	SPC5742PK1AMLQ9R	1.5MB, 192K RAM, 144pin,	(L)QFP144	SOT486-2	RFS	No			
SPC5744PFK1AMLQ8	935325067557	SPC5744PFK1AMLQ8	C55G-PANTHER (Cut 2.2B)	(L)QFP144	SOT486-2	RFS	No			
SPC5742PK1AMLQ9	935337096557	SPC5742PK1AMLQ9	1.5MB, 192K RAM, 144pin,	(L)QFP144	SOT486-2	RFS	No			
SPC5744PEK1AMMM5	935364718557	SPC5744PEK1AMMM5	C55G-PANTHER (Cut 2.2B)	(L)FBGA257M	SOT1547-1	RFS	No			
SPC5742PK1MLQ8	935318299557	SPC5742PK1MLQ8	1.5MB, 192K RAM, 144pin,	(L)QFP144	SOT486-2	DOD	No			
SPC5742PGK1AMMM9	935420435557	SPC5742PGK1AMMM9	1.5MB 192K RAM, FlexR +E	(L)FBGA257M	SOT1547-1	RFS	No			