



Customer Information Notification

201812016I

Issue Date: 24-Jan-2019

Effective Date: 25-Jan-2019

Dear *Tracy Hoglin*,

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

This notice is NXP Company Proprietary.



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

MC9S12ZVxSM Safety Manual Update from Rev4 to Rev5

Description

NXP Semiconductors announces a Safety Manual update for the MC9S12ZVx Family from rev.4 to rev.5. The revision history included in the updated document provides a detailed description of the changes. Main changes are summarized below.

- 1.Added SM_1033 to section 3.3 - Clock Safety Mechanisms.
- 2.Added SM_1034 and SM_1035 to section 3.4 -Power Supply Safety Mechanisms
- 3.Updated SM_0051.
- 4.Added SM_1031, SM_1030, SM_1032, and SM_0039 to section 3.5 - Processing Unit Safety Mechanisms.
- 5.Added SM_1037 to section 3.3.
- 6.Added SM_1036 to section 3.7.

The MC9S12ZVx Family Safety Manual is attached to this notice, and can be found under User Guide section at:

S12ZVM MCUs

https://www.nxp.com/products/processors-and-microcontrollers/additional-processors-and-mcus/8-16-bit-mcus/16-bit-s12-magniv/s12zvm-mixed-signal-mcu-for-automotive-industrial-motor-control-applications:S12ZVM?tab=Documentation_Tab

S12ZVMA MCUs

https://www.nxp.com/products/processors-and-microcontrollers/additional-processors-and-mcus/8-16-bit-mcus/16-bit-s12-magniv/mixed-signal-mcu-for-automotive-industrial-motor-control-applications:S12ZVMA?tab=Documentation_Tab

S32ZVMB MCUs

https://www.nxp.com/products/processors-and-microcontrollers/additional-processors-and-mcus/8-16-bit-mcus/16-bit-s12-magniv/mixed-signal-mcu-for-automotive-industrial-motor-control-applications:S12ZVMB?tab=Documentation_Tab

S12ZVC MCUs

https://www.nxp.com/products/processors-and-microcontrollers/additional-processors-and-mcus/8-16-bit-mcus/16-bit-s12-magniv/s12zvc-mixed-signal-mcu-for-automotive-industrial-can-applications:S12ZVC?tab=Documentation_Tab

S12ZVL

https://www.nxp.com/products/processors-and-microcontrollers/additional-processors-and-mcus/8-16-bit-mcus/16-bit-s12-magniv/s12zvl-mixed-signal-mcu-for-automotive-industrial-lin-applications:S12ZVL?tab=Documentation_Tab

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-03

Reason

The Safety Manual has 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.

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 Tony Dong
Position Product Engineer
e-mail address yingwei.dong@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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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
S912ZVC12F0MLFR	935312538528	S912ZVC12F0MLF	S12Z, 48LQFP, 128K FLASH	SOT313-3	LQFP48	RFS	Auto Micro Processors
S912ZVML12F3WKH	935334919557	S912ZVML12F3WKH	S12Z core, 128K Flash	SOT1510-2	HLQFP64	RFS	Auto Micro Processors
S912ZVCA19F0MLF	935313152557	S912ZVCA19F0MLF	S12Z,48LQFP,192K FLAS	SOT313-3	LQFP48	RFS	Auto Micro Processors
S912ZVCA19F0MKH	935317743557	S912ZVCA19F0MKH	S12Z,64LQFP-EP,192K FLAS	SOT1510-2	HLQFP64	RFS	Auto Micro Processors
S912ZVMC25F1WKK	935318742557	S912ZVMC25F1WKK	Carcass 80LQFP-EP 256kb	SOT1572-1	HLQFP80	RFS	Auto Micro Processors
S9S12ZVLS3F0MFMR	935325023578	S9S12ZVLS3F0MFM	S12Z CPU, 32K flash	SOT617-19	HVQFN32	RFS	Auto Micro Processors
S9S12ZVL32F0VLF	935318174528	S9S12ZVL32F0VLF	S12Z CPU, 32K flash	SOT313-3	LQFP48	RFS	Auto Micro Processors
S9S12ZVL32F0VLF	935318174557	S9S12ZVL32F0VLF	S12Z CPU, 32K flash	SOT313-3	LQFP48	RFS	Auto Micro Processors
S912ZVC19F0MLF	935318326557	S912ZVC19F0MLF	S12Z,48LQFP,192K FLAS	SOT313-3	LQFP48	RFS	Auto Micro Processors
S9S12ZVLS3F0MFM	935325023557	S9S12ZVLS3F0MFM	S12Z CPU, 32K flash	SOT617-19	HVQFN32	RFS	Auto Micro Processors
S912ZVMAL3F0MLC	935373621557	S912ZVMAL3F0MLC	VMA32, 32K FLASH, 2K RAM	SOT358-3	LQFP32	RFS	Auto Micro Processors
S912ZVMAL3F0WLF	935373623557	S912ZVMAL3F0WLF	VMA32, 32K FLASH, 2K RAM	SOT313-3	LQFP48	RFS	Auto Micro Processors
S912ZVLA12F0MLF	935313301557	S912ZVLA12F0MLF	S12Z CPU, 128K flash	SOT313-3	LQFP48	RFS	Auto Micro Processors
S9S12ZVL32F0MLC	935316209557	S9S12ZVL32F0MLC	S12Z CPU, 32K flash	SOT358-3	LQFP32	RFS	Auto Micro Processors
S912ZVMB6F0MLF	935340136557	S912ZVMB6F0MLF	VMB64, 64K FLASH, 4K RAM	SOT313-3	LQFP48	RFS	Auto Micro Processors
S912ZVMAL3F0MLF	935373622557	S912ZVMAL3F0MLF	VMA32, 32K FLASH, 2K RAM	SOT313-3	LQFP48	RFS	Auto Micro Processors
S9S12ZVL32F0MLF	935312221557	S9S12ZVL32F0MLF	S12Z CPU, 32K flash	SOT313-3	LQFP48	RFS	Auto Micro Processors
S912ZVH128F2VLQ	935315412557	S912ZVH128F2VLQ	16 BIT,128K FLASH,144LQF	SOT486-2	LQFP144	RFS	Auto Micro Processors
S912ZVML32F3VKHR	935339996528	S912ZVML32F3VKH	S12Z core, 32K Flash	SOT1510-2	HLQFP64	RFS	Auto Micro Processors
S912ZVMB6F0WLF	935340138557	S912ZVMB6F0WLF	VMB64, 64K FLASH, 4K RAM	SOT313-3	LQFP48	RFS	Auto Micro Processors
S912ZVML31F1WKH	935312981557	S912ZVML31F1WKH	S12Z core,32K Flash,64LQ	SOT1510-2	HLQFP64	RFS	Auto Micro Processors
S9S12ZVL32F0MLCR	935316209528	S9S12ZVL32F0MLC	S12Z CPU, 32K flash	SOT358-3	LQFP32	RFS	Auto Micro Processors
S912ZVML31F1WKF	935318686557	S912ZVML31F1WKF	Obidos 48LQFP-EP 32KB	SOT1571-6	HLQFP48	RFS	Auto Micro Processors
S9S12ZVLS3F0CFM	935318697557	S9S12ZVLS3F0CFM	S12Z CPU, 32K flash	SOT617-19	HVQFN32	RFS	Auto Micro Processors
S912ZVMC25F1MKK	935320641557	S912ZVMC25F1MKK	Carcass 80LQFP-EP 256kb	SOT1572-1	HLQFP80	ASM	Auto Micro Processors
S912ZVFP64F1CLQ	935318094557	S912ZVFP64F1CLQ	9S12Z CORE, 64K FLASH	SOT486-2	LQFP144	RFS	Auto Micro Processors
S912ZVMB6F0VLF	935340137557	S912ZVMB6F0VLF	VMB64, 64K FLASH, 4K RAM	SOT313-3	LQFP48	RFS	Auto Micro Processors