Customer Information Notification | 201908021I

Issue Date: 25-Sep-2019
Effective Date: 26-Sep-2019

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Change Category

[ ] Wafer Fab Process	[ ] Assembly Process	[ ] Product Marking	[ ] Test Location	[ ] Design
[ ] Wafer Fab Materials	[ ] Assembly Materials	[ ] Mechanical Specification	[ ]Test Process	[ ] Errata
[ ] Wafer Fab Location	[ ] Assembly Location	[ ] Packing/Shipping/Labeling	[ ] Test Equipment	[X] Electrical spec./Test coverage
[ ] Firmware	[X] Other - Reference Manual and Datasheet			

KV4x Datasheet and Reference Manual Update

Description

NXP Semiconductors announces that the KV4x Datasheet has been updated to Rev. 4 and Reference Manual has been updated to Rev. 5. The revision history included in the updated document provides a detailed description of the changes.

The updated KV4x Datasheet and Reference Manual can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/general-purpose-mcus/kv-series-cortex-m4-m0-plus-m7/kinetis-kv4x-168-mhz-high-performance-motor-power-conversion-mcus-based-on-arm-cortex-m4:KV4x?tab=Documentation_Tab

A summary of the document changes is attached to this notice.

The deviation of fintf_ft spec is added in Datasheet and KV4x devices manufactured beginning with work week 49 of 2019 will meet the spec:
The manufacturing date code is marked on the top of the package:
* LQFP48: xxYWx is marked on the last line
* LQFP64/100: xxxYYWWx is marked on the last line
Where:

* Y/YY = Year (M/19 represents 2019, N/20 represents 2020, etc.)
* W/WW = Work Week (W/49 represents week 49, X/50 represents week 50, etc.)

Reason
The Datasheets and the Reference Manual have been updated to correct errors and 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.
Data Sheet Revision
A new datasheet will be issued
Disposition of Old Products
Existing inventory will be shipped until depleted

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   Ken Song
Position   Product Engineer
e-mail address   ken.song@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
MKV46F256VLH16	935312559557	MKV46F256VLH16	Kinetis V 32-bit MCU 256	SOT1699-1	QFP64	RFS	MCUs
MKV42F128VLH16	935318499557	MKV42F128VLH16	Kinetis V 32-bit MCU 128	SOT1699-1	QFP64	RFS	MCUs
MKV42F256VLL16	935320602557	MKV42F256VLL16	KinetisV 32Bit MCU 256KB	SOT407-3	LQFP100	RFS	MCUs
MKV42F256VLH16	935320603557	MKV42F256VLH16	Kinetis V 32-bit MCU 256	SOT1699-1	QFP64	RFS	MCUs
MKV46F128VLH16	935322361557	MKV46F128VLH16	Kinetis V 32-bit MCU 128	SOT1699-1	QFP64	RFS	MCUs
MKV46F256VLL16	935312573557	MKV46F256VLL16	KinetisV 32Bit MCU 256KB	SOT407-3	LQFP100	RFS	MCUs
MKV44F128VLF16	935340208557	MKV44F128VLF16	KV4x 48LQFP	SOT313-3	LQFP48	RFS	MCUs