



Customer Information Notification

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QUALITY

Management Summary

NXP Semiconductors announces the Datasheet update for MKE02/MKE04/MKE06.

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 - Datasheet | | | |

**MKE02/MKE04/MKE06
Datasheet Update**

Description

NXP Semiconductors announces that the MKE04Z8 Datasheet has been updated to Rev 5(MKE04P24M48SF0_Rev.5).

NXP Semiconductors announces that the MKE02 Datasheet has been updated to Rev 6(MKE02P64M40SF0_Rev.6) and Rev 7(MKE02P64M20SF0_Rev.7).

NXP Semiconductors announces that the MKE06,MKE04Z64/128 Datasheet has been updated to Rev 6 (MKE04P80M48SF0_Rev.6, MKE06P80M48SF0_Rev.6).

Changes are summarized below:

MKE04P24M48SF0_Rev.5:

Page5, Updated the descriptions of ILAT to add the missing temperature in the ESD handling ratings.

Page7, Updated Maximum power supply VDD ramp-up rate from 500V/ms to 70V/ms in footnote2.

Page16&17, Corrected the Unit to the tTCLK, tclkh, tckl, and tICPW, and added footnote to the Units in the FTM module timing.

Page26, Updated the timing assumptions in the SPI switching specifications

MKE02P64M40SF0_Rev.6 & MKE02P64M20SF0_Rev.7:
Page8, Updated Maximum power supply VDD ramp-up rate from 500V/ms to 70V/ms in footnote2.

MKE04P80M48SF0_Rev.6/MKE06P80M48SF0_Rev.6:
Page8, Updated Maximum power supply VDD ramp-up rate from 500V/ms to 70V/ms in footnote2.
Page28, Updated the timing assumptions in the SPI switching specifications.

The updated Datasheet can be found at:
<https://www.nxp.com/search?category=documents&keyword=MKE&filter=type>>Data Sheet&siblings=false>

Reason

The Datasheets 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.

Data Sheet Revision

A new datasheet will be issued

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:

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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.

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
MKE04Z64VLH4	935311826557	MKE04Z64VLH4	Kinetis MT64	SOT1699-1	LQFP64	RFS	MCUs
MKE02Z64VFM4	935324815557	MKE02Z64VFM4	Kinetis E,64K flash,40Mh	SOT617-17	HVQFN32	RFS	MCUs
MKE04Z64VLD4	935318189557	MKE04Z64VLD4	Kinetis MT64	SOT389-2	LQFP44	RFS	MCUs
MKE02Z64VLC2	935318442557	MKE02Z64VLC2	Kinetis E,64K flash,20Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z64VLH2	935321944557	MKE02Z64VLH2	Kinetis E,64K flash,20Mh	SOT1699-1	LQFP64	RFS	MCUs
MKE02Z32VFM4	935322222557	MKE02Z32VFM4	Kinetis E,32K flash,40Mh	SOT617-17	HVQFN32	RFS	MCUs
MKE02Z32VLH4	935311558557	MKE02Z32VLH4	Kinetis E,32K flash,40Mh	SOT1699-1	LQFP64	RFS	MCUs
MKE02Z32VLH2	935314985557	MKE02Z32VLH2	Kinetis E,32K flash,20Mh	SOT1699-1	LQFP64	RFS	MCUs
MKE06Z64VLH4	935323429557	MKE06Z64VLH4	Kinetis MT64	SOT1699-1	LQFP64	RFS	MCUs
MKE02Z64VQH2	935311224557	MKE02Z64VQH2	Kinetis E,64K flash,20Mh	SOT1697-1	QFP64	RFS	MCUs
MKE06Z128VLK4	935315176557	MKE06Z128VLK4	Kinetis MT128	SOT823-3	LQFP80	RFS	MCUs
MKE04Z64VLK4	935315282557	MKE04Z64VLK4	Kinetis MT64	SOT823-3	LQFP80	RFS	MCUs
MKE02Z64VQH4	935317939557	MKE02Z64VQH4	Kinetis E,64K flash,40Mh	SOT1697-1	QFP64	RFS	MCUs
MKE02Z16VLC4	935317985557	MKE02Z16VLC4	Kinetis E,32K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z16VLD2	935320029557	MKE02Z16VLD2	Kinetis E,32K flash,20Mh	SOT389-2	LQFP44	RFS	MCUs
MKE04Z8VTG4R	935321946534	MKE04Z8VTG4	M0 + 8K Flash 48Mhz	SOT403-3	TSSOP16	RFS	MCUs
MKE02Z16VLD4	935324724557	MKE02Z16VLD4	Kinetis E,32K flash,40Mh	SOT389-2	LQFP44	RFS	MCUs
MKE02Z32VQH4	935324725557	MKE02Z32VQH4	Kinetis E,32K flash,40Mh	SOT1697-1	QFP64	RFS	MCUs
MKE02Z32VLC2	935315854557	MKE02Z32VLC2	Kinetis E,32K flash,20Mh	SOT358-3	LQFP32	RFS	MCUs
MKE04Z128VLK4	935320237557	MKE04Z128VLK4	Kinetis MT128	SOT823-3	LQFP80	RFS	MCUs
MKE02Z32VLD4	935311563557	MKE02Z32VLD4	Kinetis E,32K flash,40Mh	SOT389-2	LQFP44	RFS	MCUs
MKE02Z32VLC4	935312988557	MKE02Z32VLC4	Kinetis E,32K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z64VLD4	935314938557	MKE02Z64VLD4	Kinetis E,64K flash,40Mh	SOT389-2	LQFP44	RFS	MCUs
MKE04Z8VWJ4R	935317919518	MKE04Z8VWJ4	M0 + 8K Flash 48Mhz	SOT163-5	SO20	RFS	MCUs
MKE04Z8VTG4	935321946574	MKE04Z8VTG4	M0 + 8K Flash 48Mhz	SOT403-3	TSSOP16	RFS	MCUs
MKE02Z16VFM4	935325932557	MKE02Z16VFM4	Kinetis E,16K flash,40Mh	SOT617-17	HVQFN32	RFS	MCUs
MKE06Z64VLD4	935311823557	MKE06Z64VLD4	Kinetis MT64	SOT389-2	LQFP44	RFS	MCUs
MKE06Z128VLH4	935311879557	MKE06Z128VLH4	Kinetis MT128	SOT1699-1	LQFP64	RFS	MCUs
MKE06Z128VLD4	935314881557	MKE06Z128VLD4	Kinetis MT128	SOT389-2	LQFP44	RFS	MCUs
MKE04Z128VLD4	935315108557	MKE04Z128VLD4	Kinetis MT128	SOT389-2	LQFP44	RFS	MCUs
MKE04Z8VWJ4	935317919574	MKE04Z8VWJ4	M0 + 8K Flash 48Mhz	SOT163-5	SO20	RFS	MCUs
MKE02Z64VLH4	935318162557	MKE02Z64VLH4	Kinetis E,64K flash,40Mh	SOT1699-1	LQFP64	RFS	MCUs
MKE04Z128VLH4	935320756557	MKE04Z128VLH4	Kinetis MT128	SOT1699-1	LQFP64	RFS	MCUs
MKE02Z32VQH2	935323335557	MKE02Z32VQH2	Kinetis E,32K flash,20Mh	SOT1697-1	QFP64	RFS	MCUs
MKE02Z64VLC4	935317983557	MKE02Z64VLC4	Kinetis E,64K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z32VLC4R	935312988528	MKE02Z32VLC4	Kinetis E,32K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z16VLC2	935314884557	MKE02Z16VLC2	Kinetis E,32K flash,20Mh	SOT358-3	LQFP32	RFS	MCUs
MKE04Z8VFK4	935317918557	MKE04Z8VFK4	M0 + 8K Flash 48Mhz	SOT616-8	HVQFN24	RFS	MCUs
MKE02Z64VLH4R	935318162528	MKE02Z64VLH4R	Kinetis E,64K flash,40Mh	SOT1699-1	LQFP64	RFS	MCUs