



Customer Information Notification

201812013I

Issue Date: 21-Feb-2019

Effective Date: 22-Feb-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



QUALITY

Management Summary

NXP Semiconductors announces the Reference Manual update for MKE06/MKE04(Z64,Z128), and 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 checked="" type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input checked="" type="checkbox"/> Other - reference manual and datasheet | | | |

MKE02/MKE04/MKE06 Datasheet Update and MKE06,MKE04(Z64,Z128)Reference Manual Update

Description

NXP Semiconductors announces that the MKE04Z8 DS has been updated to Rev 4(MKE04P24M48SF0_Rev.4).

NXP Semiconductors announces that the MKE02 DS has been updated to Rev 5(MKE02P64M40SF0_Rev.5) and Rev 6(MKE02P64M20SF0_Rev.6).

NXP Semiconductors announces that the MKE06,MKE04(Z64,Z128) DS has been updated to Rev 5 (MKE04P80M48SF0_Rev.5, MKE06P80M48SF0_Rev.5).

NXP Semiconductors announces that the MKE06,MKE04(Z64,Z128) Reference Manual has been updated

to Rev 4 (MKE04P80M48SF0RM_Rev.4,MKE06P80M48SF0RM_Rev.4).

The revision history included in the updated document provides a detailed description of the changes. Changes are summarized below:

MKE04P24M48SF0_Rev.4:

- 1.Added a new section of Thermal operating requirements.
2. Added a footnote of "Max power supply ramp rate is 500 V/ms." to Operating voltage in the DC characteristics.
3. Added a footnote to the 'factory trimmed internal oscillator accuracy' in the External oscillator (OSC) and ICS characteristics.

MKE02P64M40SF0_Rev.5:

1. Added a footnote of "Max power supply ramp rate is 500 V/ms." to Operating voltage in the DC characteristics.
2. Added a footnote to the 'factory trimmed internal oscillator accuracy' in the External oscillator (OSC) and ICS characteristics

MKE02P64M20SF0_Rev.6:

1. Added a footnote of "Max power supply ramp rate is 500 V/ms." to Operating voltage in the DC characteristics.
2. Added a footnote to the 'factory trimmed internal oscillator accuracy' in the External oscillator (OSC) and ICS characteristics

MKE06P80M48SF0_Rev.5/MKE04P80M48SF0_Rev.5:

1. Added a footnote of "Max power supply ramp rate is 500 V/ms." to Operating voltage in the DC characteristics.
2. Added a footnote to the 'factory trimmed internal oscillator accuracy' in the External oscillator (OSC) and ICS characteristics.

MKE04P80M48SF0RM_Rev.4/MKE06P80M48SF0RM_Rev.4:

- A.17 WDOG changes:Updated the access of CNTH and CNTL registers to be R/W in the memory map.
- A.19 FTMRE changes:Updated the access of FPROT and FOPT to be RW. Updated the figures of 128/64 KB flash protection memory map.
- A.21 ICS changes:Updated the access of ICS_S to be RW in the ICS memory map.
- A.31 SPI changes:Updated the S register to be RW and S[SPMF] to be W1C, added a note to the S[SPMF].
- A.33 MSCAN changes:Updated the access of the receive registers and TTSRH, TTSRL to be Read only and added note to the receive registers.

The updated Datasheet can be found at:

<https://www.nxp.com/search?category=documents&keyword=MKE02&filter=type>>Data Sheet&siblings=false>

The updated Reference manual can be found at:

<https://www.nxp.com/search?category=documents&keyword=MKE&filter=type>>Reference Manual&siblings=false>

Reason

The Datasheets and the Reference Manual 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:

Name Jonson Chen
Position Application Engineer
e-mail address Jonson.chen@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.

You have received this email because you are a designated contact or subscribed to NXP Quality Notifications. NXP shall not be held liable if this Notification is not correctly distributed within your organization.

This message has been automatically distributed. Please do not reply.

[NXP | Privacy Policy | Terms of Use](#)

NXP Semiconductors
High Tech Campus, 5656 AG Eindhoven, The Netherlands

© 2006-2010 NXP Semiconductors. All rights reserved.

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	QFP64	RFS	MCUs
MKE02Z16VLD4	935324724557	MKE02Z16VLD4	Kinetis E,32K flash,40Mh	SOT389-2	LQFP44	RFS	MCUs
MKE04Z64VLK4	935315282557	MKE04Z64VLK4	Kinetis MT64	SOT823-3	LQFP80	RFS	MCUs
MKE02Z64VLD2	935317775557	MKE02Z64VLD2	Kinetis E,64K flash,20Mh	SOT389-2	LQFP44	RFS	MCUs
MKE02Z64VLH2	935321944557	MKE02Z64VLH2	Kinetis E,64K flash,20Mh	SOT1699-1	QFP64	RFS	MCUs
MKE02Z32VQH2	935323335557	MKE02Z32VQH2	Kinetis E,32K flash,20Mh	SOT1697-1	QFP64	RFS	MCUs
MKE04Z128VQH4	935324775557	MKE04Z128VQH4	Kinetis MT128	SOT1697-1	QFP64	RFS	MCUs
MKE02Z32VLH4	935311558557	MKE02Z32VLH4	Kinetis E,32K flash,40Mh	SOT1699-1	QFP64	RFS	MCUs
MKE06Z128VLH4	935311879557	MKE06Z128VLH4	Kinetis MT128	SOT1699-1	QFP64	RFS	MCUs
MKE04Z8VFK4	935317918557	MKE04Z8VFK4	M0 + 8K Flash 48Mhz	SOT616-8	HVQFN24	RFS	MCUs
MKE04Z8VTG4	935321946574	MKE04Z8VTG4	M0 + 8K Flash 48Mhz	SOT403-3	TSSOP16	RFS	MCUs
MKE02Z32VFM4	935322222557	MKE02Z32VFM4	Kinetis E,32K flash,40Mh	SOT617-17	HVQFN32	RFS	MCUs
MKE02Z32VQH4	935324725557	MKE02Z32VQH4	Kinetis E,32K flash,40Mh	SOT1697-1	QFP64	RFS	MCUs
MKE02Z32VLD4	935311563557	MKE02Z32VLD4	Kinetis E,32K flash,40Mh	SOT389-2	LQFP44	RFS	MCUs
MKE06Z64VLD4	935311823557	MKE06Z64VLD4	Kinetis MT64	SOT389-2	LQFP44	RFS	MCUs
MKE02Z32VLC4	935312988557	MKE02Z32VLC4	Kinetis E,32K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE04Z128VLD4	935315108557	MKE04Z128VLD4	Kinetis MT128	SOT389-2	LQFP44	RFS	MCUs
MKE06Z128VLK4	935315176557	MKE06Z128VLK4	Kinetis MT128	SOT823-3	LQFP80	RFS	MCUs
MKE02Z64VLC4	935317983557	MKE02Z64VLC4	Kinetis E,64K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z64VLC2	935318442557	MKE02Z64VLC2	Kinetis E,64K flash,20Mh	SOT358-3	LQFP32	RFS	MCUs
MKE06Z64VQH4	935312086557	MKE06Z64VQH4	Kinetis MT64	SOT1697-1	QFP64	RFS	MCUs
MKE02Z64VLD4	935314938557	MKE02Z64VLD4	Kinetis E,64K flash,40Mh	SOT389-2	LQFP44	RFS	MCUs
MKE02Z32VLC2	935315854557	MKE02Z32VLC2	Kinetis E,32K flash,20Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z16VLC4	935317985557	MKE02Z16VLC4	Kinetis E,32K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE04Z8VTG4R	935321946534	MKE04Z8VTG4	M0 + 8K Flash 48Mhz	SOT403-3	TSSOP16	RFS	MCUs
MKE02Z16VFM4	935325932557	MKE02Z16VFM4	Kinetis E,16K flash,40Mh	SOT617-17	HVQFN32	RFS	MCUs
MKE02Z32VLC4R	935312988528	MKE02Z32VLC4	Kinetis E,32K flash,40Mh	SOT358-3	LQFP32	RFS	MCUs
MKE02Z16VLD2	935320029557	MKE02Z16VLD2	Kinetis E,32K flash,20Mh	SOT389-2	LQFP44	RFS	MCUs
MKE04Z128VLK4	935320237557	MKE04Z128VLK4	Kinetis MT128	SOT823-3	LQFP80	RFS	MCUs
MKE02Z64VQH2	935311224557	MKE02Z64VQH2	Kinetis E,64K flash,20Mh	SOT1697-1	QFP64	RFS	MCUs
MKE02Z64VLH4	935318162557	MKE02Z64VLH4	Kinetis E,64K flash,40Mh	SOT1699-1	QFP64	RFS	MCUs
MKE04Z128VLH4	935320756557	MKE04Z128VLH4	Kinetis MT128	SOT1699-1	QFP64	RFS	MCUs
MKE02Z64VFM4	935324815557	MKE02Z64VFM4	Kinetis E,64K flash,40Mh	SOT617-17	HVQFN32	RFS	MCUs
MKE02Z32VLH2	935314985557	MKE02Z32VLH2	Kinetis E,32K flash,20Mh	SOT1699-1	QFP64	RFS	MCUs
MKE04Z8VWJ4R	935317919518	MKE04Z8VWJ4	M0 + 8K Flash 48Mhz	SOT163-5	SO20	RFS	MCUs
MKE04Z8VWJ4	935317919574	MKE04Z8VWJ4	M0 + 8K Flash 48Mhz	SOT163-5	SO20	RFS	MCUs
MKE02Z64VQH4	935317939557	MKE02Z64VQH4	Kinetis E,64K flash,40Mh	SOT1697-1	QFP64	RFS	MCUs
MKE02Z64VLH4R	935318162528	MKE02Z64VLH4	Kinetis E,64K flash,40Mh	SOT1699-1	QFP64	RFS	MCUs
MKE04Z64VLD4	935318189557	MKE04Z64VLD4	Kinetis MT64	SOT389-2	LQFP44	RFS	MCUs
MKE06Z128VLD4	935314881557	MKE06Z128VLD4	Kinetis MT128	SOT389-2	LQFP44	RFS	MCUs
MKE06Z64VLH4	935323429557	MKE06Z64VLH4	Kinetis MT64	SOT1699-1	QFP64	RFS	MCUs
MKE02Z16VLC2	935314884557	MKE02Z16VLC2	Kinetis E,32K flash,20Mh	SOT358-3	LQFP32	RFS	MCUs