



Final Product Change Notification

201803037F01

Issue Date: 14-Apr-2018

Effective Date: 13-Jul-2018

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 Semiconductor announces the availability of the MCUBOOT bootloader for the Kinetis® KW41Z, KW31Z and KW21Z wireless microcontrollers.

Change Category

| | | | | |
|--|---|--|---|--|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input type="checkbox"/> Product Marking | <input type="checkbox"/> Test Location | <input checked="" 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 |

MKW41Z/31Z/21Z
MCUBOOT Flashloader
Addition

Details of this Change

On the effective date, NXP will begin programming the MCU bootloader for Kinetis Microcontrollers (MCUBOOT) to all newly-manufactured Kinetis® KW41Z/31Z/21Z wireless microcontrollers. More information concerning the operation of this bootloader can be found in your device specific reference manual or at www.nxp.com/mcuboot.

Why do we Implement this Change

This will be a feature enhancement for Kinetis® KW41Z, KW31Z and KW21Z wireless microcontrollers enabling in-system flash programming over a serial connection.

Identification of Affected Products

Units programmed with the bootloader will be identified by the package trace code corresponding to the effective date work week.

Product Availability

Sample Information

Samples are available from 19-Apr-2018

PKW41Z512VHT4

Production

Planned first shipment 13-Jul-2018

Impact

No impact to normal operation or programming is expected. However, in some cases, programming may fail if your programmer is not configured to erase the flash area first.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 14-May-2018.

Remarks

The Work Week (WW) will correspond to the effective date. Customers should assume all devices shipped on or after the effective date will be programmed with the bootloader. NXP standard trace code format is AWLYYWW.

A = Assembly Site

WL = Wafer Lot

YY = Year

WW = Work Week

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 Ryan Kelly

Position Product Marketer

e-mail address ryan.kelly@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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NXP Semiconductors

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| Changed Orderable Part# | Changed Part 12NC | Changed Part Number | Changed Part Description | Package Name | Status | Product Line |
|-------------------------|-------------------|---------------------|--------------------------|--------------|--------|---------------------|
| MKW41Z256VHT4 | 935313259557 | MKW41Z256VHT4 | BLE+802.15.4+All modes | VQFN63R | RFS | BL Microcontrollers |
| MKW21Z256VHT4 | 935313188557 | MKW21Z256VHT4 | 802.15.4 Only | VQFN63R | RFS | BL Microcontrollers |
| MKW21Z512VHT4 | 935313293557 | MKW21Z512VHT4 | 32-bit MCU, 512KB FLASH | VQFN63R | RFS | BL Microcontrollers |
| MKW31Z512VHT4 | 935323702557 | MKW31Z512VHT4 | KW40 512 | VQFN63R | RFS | BL Microcontrollers |
| MKW41Z512VHT4 | 935320635557 | MKW41Z512VHT4 | KW40 512 | VQFN63R | RFS | BL Microcontrollers |
| MKW31Z256VHT4 | 935318528557 | MKW31Z256VHT4 | BLE Only | VQFN63R | RFS | BL Microcontrollers |