Customer Information Notification

2022070201 : MKW40Z/30Z/20Z Reference Manual Update to Rev 1.4.1

Note: This notice is NXP Company Proprietary.

Issue Date: Oct 04, 2022 **Effective date:Oct 05, 2022**

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Management summary
Reference Manual (RM) update for the MKW40Z/30Z/20Z to revision 1.4.1.
Change Category

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

PCN Overview
Description

NXP Semiconductors announces a Reference Manual (RM) update for the MKW40Z/30Z/20Z to revision 1.4.1. The Chapter 56 included in the updated document provides a detailed description of the changes.
Changes are summarized below.

Reference Manual Changes:
1. Removed the DTEST_PAGE bitfield from the XCVR_DTEST_CTRL register.
2. Added I2C1 interrupt at 0x0000_0064 in Table 3-6. Interrupt vector assignment in Chip Configuration.
3. DCDC_REG2[DCDC_LOOPCTRL_EN_RCSCALE] added at bit[10:9]. Also updated bit field descriptions of the registers in DCDC Converter(DCDC).
4. Removed test registers: C12, S2 and T3 in Multipurpose Clock Generator (MCG).
5. Updated register information in Universal Asynchronous Receiver/Transmitter (UART0).
6. Updated access value of Key Size(KS) register to RO in LP Trusted Cryptography (LTC).
7. Removed test register Radio System Integration Module(RSIM).
8. Updated access values of the following registers to RW: XCVR_PLL_HPM_CAL_CTRL, XCVR_PLL_LD_HPM_CAL1, and XCVR_PLL_LD_HPM_CAL2 in Transceiver Registers.
9. Updated access value of the BLE_RF_REGS_BLE_PART_ID register to RO in BLE RF Registers.
10. Updated access value of ZLL_SAM_MATCH register to RO and access value of

ZLL_FILTERFAIL_CODE register to RW in Zigbee Registers.

The MKW40Z/30Z/20Z Reference Manual revision 1.4 is attached to this notice, and can be found at:
https://www.nxp.com/products/wireless/multiprotocol-mcus/kinetis-kw40z-2-4-ghz-dual-mode-bluetooth-low-energy-and-802-15-4-wireless-radio-microcontroller-mcu-based-on-arm-cortex-m0-plus-core:KW40Z?fpsp=1&#documentation

Reason
The Reference Manual has been updated to correct errors and / or 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
Additional information

Additional documents: view online
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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NXP Quality Management Team.
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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
MKW30Z160VHM4R	935312095518	MKW30Z160VHM4R	BLE only	(V)FLGA41	SOT1648-2	RFS	No	BLM1
MKW30Z160VHM4	935312095557	MKW30Z160VHM4	BLE only	(V)FLGA41	SOT1648-2	RFS	No	BLM1
MKW40Z160VHT4R	935322052518	MKW40Z160VHT4R	BLE and 802.15.4/ZigBee	(V)FLGA64	SOT1649-1	RFS	No	BLM1
MKW40Z160VHT4	935322052557	MKW40Z160VHT4	BLE and 802.15.4/ZigBee	(V)FLGA64	SOT1649-1	RFS	No	BLM1
MKW20Z160VHT4	935312046557	MKW20Z160VHT4	802.15.4/ZigBee	(V)FLGA64	SOT1649-1	RFS	No	BLM1