Customer Information Notification

202304003I : Datasheet Update for MK22FN512xxx12 to Revision 8

Note: This notice is NXP Company Proprietary.

Issue Date: Jun 30, 2023 **Effective date:Jul 01, 2023**

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Management summary

Datasheet for MK22FN512 have been updated to rev 8.

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: Documentation update			

PCN Overview

Description

NXP Semiconductors announces that the datasheet for MK22FN512 have been updated. The new revision is rev 8.

Changes in the new revision:

• Updated the footnote in front matter to mention that only MK22FN512VDC12 (121BGA) supports two DACs
• Updated Voltage and current operating ratings
• Added VBAT:SRPWRin Table 1
• Updated footnote attached to Reference Voltage in 12-bit DAC operating requirements
• Updated from 121 MAPBGA to 121 XFBGA in K22 F pinout table
• Updated footnote in frontmatter to state "Only MK22FN512VDC12 (121BGA) supports both DAC : DAC0 and DAC1"
• Updated Ordering information table in Front Matter by adding Part number marking and packages column
• Removed 121-pin XFBGA part marking and 64-pin MAPBGA part marking sections.
Added generic Package Markings section
• Updated ADC frequencies at different modes in 16-bit ADC operating conditions

The updated documents can be found at:
https://www.nxp.com/docs/en/data-sheet/K22P121M120SF7.pdf
Reason
The datasheet for MK22FN512 have been updated. The new revision is rev 8.
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

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:

Name	NXP Technical support
e-mail address	tech.support@nxp.com

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NXP Quality Management Team.
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NXP Semiconductors
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Orderable Part Number#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
MK22FN512VMP12	935312024557	MK22FN512VMP12	Senna K20 512R	(L)FBGA64M	SOT1555-1	RFS	No	BLM1
MK22FN512VLL12R	935312058528	MK22FN512VLL12R	32bit MCU 512KB Flash	(L)QFP100	SOT407-3	RFS	No	BLM1
MK22FN512VLL12	935312058557	MK22FN512VLL12	32bit MCU 512KB Flash	(L)QFP100	SOT407-3	RFS	No	BLM1
MK22FN512VFX12R	935313138528	MK22FN512VFX12R	32-bit MCU, ARM Cortex	H(V)QFN88	SOT906-6	RFS	No	BLM1
MK22FN512VFX12	935313138557	MK22FN512VFX12	32-bit MCU, ARM Cortex	H(V)QFN88	SOT906-6	RFS	No	BLM1
MK22FN512VLH12R	935318283528	MK22FN512VLH12R	32bit MCU 512KB Flash	(L)QFP64	SOT1699-1	RFS	No	BLM1
MK22FN512VLH12	935318283557	MK22FN512VLH12	32bit MCU 512KB Flash	(L)QFP64	SOT1699-1	RFS	No	BLM1
MK22FN512VDC12R	935321978518	MK22FN512VDC12R	Senna K20 512R	(X)FBGA121M	SOT1557-1	RFS	No	BLM1
MK22FN512VDC12	935321978557	MK22FN512VDC12	Senna K20 512R	(X)FBGA121M	SOT1557-1	RFS	No	BLM1