Final Product Change Notification

202111007F01 : KE1xF Maskset Update to 1N79P for Design Fix and Errata

Note: This notice is NXP Company Proprietary.

Issue Date: Jan 27, 2022 **Effective date:** Apr 27, 2022

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Management summary
New version of silicon for the KE1xF. The new silicon mask revision is 1N79P.

Change Category

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

PCN Overview
Description

NXP Semiconductors is announcing a new version of silicon for the KE1xF. The new silicon mask revision is 1N79P.
1N79P mask set fixed 0N79P errata ERR050180:GPIO glitch possible during power up and power down

Release Mask Set Errata for Mask 1N79P (Kinetis_E_1N79P, Rev. 11Jan2022)
Update datasheet:
Related Resources table: added Kinetis_E_1N79P for chip errata.
Ports summary table: update PTC4=Pull down.
Ordering information table: remove Marking(Line1/Line2) column since it's same as part number.

The updated KE1xF(1N79P) Datasheet and Errata is attached in the notification and can be found at below link:
https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/general-purpose-mcus/ke-series-cortex-m4-m0-plus/kinetis-ke1xf-168mhz-performance-with-can-5v-microcontrollers-based-on-arm-cortex-m4:KE1xF?tab=Documentation_Tab

Reason
The release of KE1xF new mask set 1N79P to fix errata ERR050180.

Identification of Affected Products
Top Side Marking
The mask set marking on the package will change from 0N79P to 1N79P.

Product Availability

Sample Information
Samples are available upon request
Production
Planned first shipment Apr 22, 2022

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
Disposition of Old Products
Existing inventory will be shipped until depleted

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Feb 26, 2022.

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.

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NXP Quality Management Team.
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Changed Orderable Part#	12NC
MKE18F512VLH16	935312623557
MKE18F256VLH16	935316207557
MKE18F512VLL16	935318789557
MKE18F256VLL16	935323828557
MKE16F256VLL16	935322444557
MKE16F256VLH16	935324962557
MKE16F512VLH16	935325961557
MKE16F512VLL16	935326042557
MKE14F512VLH16	935312754557
MKE14F512VLL16R	935323688528
MKE14F512VLL16	935323688557
MKE14F256VLH16	935325983557
MKE14F256VLL16	935326043557