



## Final Product Change Notification

202210006F01 : i.MX 8M Nano Package (14x14) Migration Update

**Note:** This notice is NXP Company Proprietary.

**Issue Date:** Oct 20, 2022 **Effective date:** Jan 18, 2023

Here is your personalized notification about a NXP general announcement.  
For detailed information we invite you to view this notification online

### Management summary

NXP Semiconductors currently will not pursue the release of the i.MX 8M Nano (14x14) replacement package previously announced in FPCN 202108031F02.

### Change Category

<input type="checkbox"/> Wafer Fab Process	<input checked="" type="checkbox"/> Assembly Process	<input checked="" type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input checked="" type="checkbox"/> Assembly Materials	<input checked="" type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input type="checkbox"/> Assembly Location	<input checked="" type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Location	<input type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware <input type="checkbox"/> Other				

## PCN Overview

### Description

NXP Semiconductors currently will not pursue the release of the i.MX 8M Nano (14x14) replacement package previously announced in FPCN 202108031F02 and will continue to supply the original package for the foreseeable future. Customers should continue to place orders on the original package, and all orders currently on the replacement package part numbers announced in FPCN 202108031F02 must be migrated to the corresponding original package part numbers. The list of part numbers for the replacement package is provided in the attached migration update presentation.

The following documents have been updated and are attached to this PCN:

- i.MX 8M Nano Applications Processor Datasheet for Industrial Products (IMX8MNIEC)
- i.MX 8M Nano Applications Processor Datasheet for Consumer Products (IMX8MNCEC)
- Mask Set Errata for Mask 0N14Y (IMX8MN\_0N14Y)
- i.MX 8M Nano Hardware Developer's Guide (IMX8MNHDG)

### Reason

NXP Semiconductors will continue to supply the original package for the foreseeable future.

### Identification of Affected Products

Replacement part type created, see Parts Affected list

Replacement part numbers are also listed in the attached presentation.

## Product Availability

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### Sample Information

Samples are available upon request

Please refer to the attached presentation for a complete list of part numbers available to sample.

### Production

Shipment dates are product specific, see attached plan

## Anticipated Impact on Form, Fit, Function, Reliability or Quality

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There is an impact on form and fit related to the package height change. Please refer to the attached presentation for details.

There is no impact on function, reliability, or quality.

### Data Sheet Revision

A new datasheet will be issued

### Disposition of Old Products

N/A

## Additional information

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Self qualification: view online

Additional documents: view online

## Timing and Logistics

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In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Nov 19, 2022.

- Effective immediately, all new orders must be on the original package part numbers.
- No new orders will be accepted on the replacement package part numbers announced in FPCN 202108031F02.
- NXP requires all customers to convert back to or continue to place orders on the original package part numbers.
- Customers should work with their NXP point of contacts and customer service representatives to enable this transition back to the original package.
- Please refer to the attached presentation for the list of original package part numbers.

## Contact and Support

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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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<b>Position</b>	Product Manager
<b>e-mail address</b>	sainath.kancharla@nxp.com

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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	New Orderable Part#	12NC New	Product Type New	Product Description New	Product Line
MIMX8MN5DUCIZAA	935428881557	MIMX8MNSDUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MNSDVTIZAA	935390508557	MIMX8MNSDVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN6DUCIZAA	935428882557	MIMX8MN6DUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN6DVTIZAA	935390509557	MIMX8MN6DVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN6DUCIZBA	935428883557	MIMX8MN6DUCIZBA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	ASM	No					BLM1
MIMX8MN6DUCIZCA	935428884557	MIMX8MN6DUCIZCA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN6DVTIZCA	935391123557	MIMX8MN6DVTIZCA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN6DUCIZDA	935428885557	MIMX8MN6DUCIZDA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN6DVTIZDA	935391123557	MIMX8MN6DVTIZDA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN1CUCIZAA	935428886557	MIMX8MN1CUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN1CVTIZAA	935391173557	MIMX8MN1CVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN2CUCIZAA	935428887518	MIMX8MN2CUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN2CVTIZAA	935391874518	MIMX8MN2CVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN2CUCIZAAAR	935428887557	MIMX8MN2CUCIZAAAR	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN2CVTIZAAAR	935391874557	MIMX8MN2CVTIZAAAR	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN3CUCIZAA	935428888557	MIMX8MN3CUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN3CVTIZAA	935391875557	MIMX8MN3CVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN4CUCIZAA	935428889557	MIMX8MN4CUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN4CVTIZAA	935391876557	MIMX8MN4CVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN1DUCIZAA	935428876557	MIMX8MN1DUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN1DVTIZAA	935390505557	MIMX8MN1DVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN2DUCIZAA	935428877557	MIMX8MN2DUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN2DVTIZAA	935391122557	MIMX8MN2DVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN3DUCIZAA	935428878557	MIMX8MN3DUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN3DVTIZAA	935390506557	MIMX8MN3DVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN4DUCIZAA	935428879557	MIMX8MN4DUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN4DVTIZAA	935390507557	MIMX8MN4DVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MNSCUCIZAA	935428891557	MIMX8MNSCUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MNSCVTIZAA	935391877557	MIMX8MNSCVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN6CUCIZAA	935428892557	MIMX8MN6CUCIZAA	mScale 8455 145Q Coreles	FCPGA4886M	SOT2141-1	RFS	No	MIMX8MN6CVTIZAA	935391878557	MIMX8MN6CVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN1CVTIZAA	935391873557	MIMX8MN1CVTIZAA	i.MX 8M Nano Arm Cortex	FCPGA4886M	SOT1967-1	RFS	No	MIMX8MN1DVTIZAA	935391878557	MIMX8MN1DVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN2CVTIZAA	935391874518	MIMX8MN2CVTIZAA	i.MX 8M Nano Arm Cortex	FCPGA4886M	SOT1967-1	RFS	No	MIMX8MN6DVTIZAA	935390509557	MIMX8MN6DVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN3CVTIZAA	935391875557	MIMX8MN3CVTIZAA	i.MX 8M Nano Arm Cortex	FCPGA4886M	SOT1967-1	RFS	No	MIMX8MN3DVTIZAA	935390506557	MIMX8MN3DVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
MIMX8MN4CVTIZAA	935391876557	MIMX8MN4CVTIZAA	i.MX 8M Nano Arm Cortex	FCPGA4886M	SOT1967-1	RFS	No	MIMX8MN4DVTIZAA	935390507557	MIMX8MN4DVTIZAA	8M Nano 8155 14X14FCBGA	BLM1
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MIMX8MN4DVTIZAA	935390507557	MIMX8MN4DVTIZAA	8M Nano 8155 14X14FCBGA	FCPGA4886M	SOT1967-1	RFS	No	MIMX8MN2DVTIZAA	935391122557	MIMX8MN2DVTIZAA	i.MX 8M Nano Arm Cortex	BLM1
MIMX8MN5DVTIZAA	935390508557	MIMX8MN5DVTIZAA	8M Nano 8155 14X14FCBGA	FCPGA4886M	SOT1967-1	RFS	No	MIMX8MN6DVTIZCA	935391123557	MIMX8MN6DVTIZCA	8M Nano 8155 14X14FCBGA	BLM1
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MIMX8MN1DVTIZAA	935390505557	MIMX8MN1DVTIZAA	8M Nano 8155 14X14FCBGA	FCPGA4886M	SOT1967-1	RFS	No					BLM1
MIMX8MN2CVTIZAA	935391874557	MIMX8MN2CVTIZAA	i.MX 8M Nano Arm Cortex	FCPGA4886M	SOT1967-1	RFS	No					BLM1