

# Final Product Change Notification

## 202108031F02 : i.MX 8M Nano Package (14x14) Migration

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

**Issue Date:** Apr 28, 2022 **Effective date:** Jul 27, 2022

Here is your personalized notification about a NXP general announcement.

### Management summary

NXP is migrating the i.MX 8M Nano (14x14 package only) to a pin compatible replacement package with different package height and case outline to ensure the availability of product due to substrate supply constraints on the existing 14x14 package.

All customers of the i.MX 8M Nano (14x14 package) must move to the new package/replacement part numbers and are required to use NSMD as described in the app note AN13416. The list of replacement part numbers is provided in the attached migration presentation.

Please be aware that an Advance Notification 202108031A was sent out August, 2021.

### Change Category

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

## PCN Overview

### Description

NXP is migrating the i.MX 8M Nano (14x14 package only) to a pin compatible replacement package with different package height and case outline to ensure the availability of product due to substrate supply constraints on the existing 14x14 package.

All customers of the i.MX 8M Nano (14x14 package) must move to the new package/replacement part numbers and are required to use NSMD as described in the app note AN13416. The list of replacement part numbers is provided in the attached migration presentation.

Please be aware that an Advance Notification 202108031A was sent out August, 2021.

### Reason

NXP is announcing replacement part numbers for the i.MX 8M Nano devices listed in this notification due to supply constraints.

### Identification of Affected Products

Replacement part type created, see Parts Affected list

### Product Availability

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## Sample Information

Samples are available upon request  
sample part number is listed in attachment

## Production

Planned first shipment May 06, 2022

## 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.  
There is no impact on function, reliability, or quality.  
Please refer to the attachment for the detailed changes of the planned replacement part numbers.

## Data Sheet Revision

A new datasheet will be issued

## Disposition of Old Products

Existing inventory will be shipped until depleted

## Additional information

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## Timing and Logistics

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Effective immediately, all new orders must be on the "NEW" part #s  
No new orders will be accepted on the "OLD" parts (including no Lifetime Buy).  
NXP requires all customers to convert to the "NEW" parts by August 2022  
Customers are required to adopt NSMD board design per AN13416  
Customers to work with their NXP point of contacts to enable this transition