



Product Change Notification

CN-202501009F

Issue date: 11 Mar 2025

Effective date: 23 Jun 2025

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.



Change of die design and release of 8 inch wafer diameter for switching diodes

Change
Category

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

Details of this change

The following changes are affected: - New die design - the passivation nitride thickness and the EPI layer concentration have been slightly modified to improve processing robustness - change from 6 inch to 8 inch - change of lithography from full field lithography to stepper lithography - (see SQR for details)

PCN-FORM-Rev_CN-202501009F.xlsm:

https://qcm.nexperia.com/Document/DOC-590500/PCN-FORM-Rev_CN-202501009F.xlsm

ChemicalContents_CN-202501009F_20250303.zip:

https://qcm.nexperia.com/Document/DOC-590449/ChemicalContents_CN-202501009F_20250303.zip

CN-202501009F_changeMatrix.xlsx:

https://qcm.nexperia.com/Document/DOC-590196/CN-202501009F_changeMatrix.xlsx

PCN-Delta-Qualification-Matrix-CN-202501009F.xlsm:

<https://qcm.nexperia.com/Document/DOC-590195/PCN-Delta-Qualification-Matrix-CN-202501009F.xlsm>

SQR_CN_202501009F.pdf: https://qcm.nexperia.com/Document/DOC-590193/SQR_CN_202501009F.pdf

Why do we implement this change?

Improve processing robustness - Increase of production capacity

Identification of affected products

Changed products can be identified by date code after implementation.

Product availability

Production

Planned first shipment: 24 Jun 2025

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

No impact to existing datasheet

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 10 Apr 2025. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Contact and support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support Team.

For specific questions on this notice or the products affected please contact our specialist directly: pcn@nexperia.com

In case of distribution, please contact your distribution partner.

About Nexperia B.V.

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