



Product Change Notification **CN-202202013F**

Issue date: 02 Mar 2022
Effective date: 14 Jun 2022
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.



2nd source wafer processing for ESD protection diodes

Change Category

- Wafer
- Fab
- Process
- Wafer
- Fab
- Material
- Wafer
- Fab
- Location
- Assembl
- Process
- Assembl
- Materials
- Assembl
- Location
- Product Marking
- Mechanical Specification
- Packing/Shipping/Labeling
- Test Location
- Test Process
- Test Equipmen
- Design
- Errata
- Electrical spec./Test coverage

Details of this change

Introduce Nexperia DNEW, Newport, UK, as second source for wafer processing of dedicated ESD protection devices.
The new process flow is in addition to the current wafer processing at ICN8, Nijmegen, The Netherlands.

The diffusion process is transferred to Nexperia DNEW as it is, to achieve identical device performance.
The design, fit, form and function remain unchanged.
Testing, sawing and T&R processes remain unchanged at Nexperia ATGD, GuangDong, China.

Reliability qualification and full electrical characterization was successfully performed.

SQR_CN-202202013F_Nexperia.pdf:
https://qcm.nexperia.com/Document/DOC-536185/SQR_CN-202202013F_Nexperia.pdf

Why do we implement this change?

The implementation of the additional source will increase production capacity and flexibility to ensure fulfillment of customer demands.

Identification of affected products

Identification of products is given by Lot number on package box.

Product availability

Production

Planned first shipment: 01 Jul 2022

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Fit, form and function are unchanged. Specifications as stated in the data sheet are guaranteed.

Data sheet revision

No impact to existing datasheet

Disposition of old products

2nd sourcing of front end wafer fab in addition to existing process flow.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 01 Apr 2022. Lack of acknowledgement of the PCN constitutes acceptance of the change.

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 you distribution partner.

About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	SalesItem_state	SalesItem_customerSpecificIndicator	BusinessLine_description
934069617315	PESD3V3C1BSFYL	934069617315	PESD3V3C1BSF	Ultra low capacitance bidirectional ESD protection diode	RFS	No	Bipolar Disretes
934069674315	PESD3V3X1BCSFYL		PESD3V3X1BCSF	Ultra low capacitance bidirectional ESD protection diode	RFS	No	Bipolar Disretes
934662148315	PESD4VOC1BSFYL	PESD4VOC1BSFYL	PESD4VOC1BSF	ESD Protection Diode	RFS	No	Bipolar Disretes
9346621489315	PESD4VOH1BSFYL	PESD4VOH1BSFYL	PESD4VOH1BSF	ESD Protection Diode	RFS	No	Bipolar Disretes
934068766315	PESD5VOC1BSFYL	PESD5VOC1BSFYL	PESD5VOC1BSF	Ultra low capacitance bidirectional ESD protection diode	RFS	No	Bipolar Disretes
934661727315	PESD5VOH1BSFYL	PESD5VOH1BSFYL	PESD5VOH1BSF	Extremely low capacitance bidirectional ESD protection diode for Lenovo	RFS	No	Bipolar Disretes
934068765315	PESD5VOH1BSFYL	934068765315	PESD5VOH1BSF	Applications	RFS	No	Bipolar Disretes
934069618315	PESD5VOHS-SFYL		PESD5VOHS-SF	Low capacitance bidirectional ESD protection diode for Lenovo	RFS	No	Bipolar Disretes
934662479315	PESD5VOHS2-SFYL		PESD5VOHS2-SF	Ultra low capacitance bidirectional ESD protection diode	RFS	No	Bipolar Disretes
934069673315	PESD5VOC1BSFYL	934069673315	PESD5VOC1BSF	Ultra low capacitance bidirectional ESD protection diode	RFS	No	Bipolar Disretes
934661202315	PESD5V5H1BSFYL	PESD5V5H1BSFYL	PESD5V5H1BSF	Extremely low capacitance bidirectional ESD protection diode for Lenovo	RFS	No	Bipolar Disretes
93466212315	PESD5V5HS-SFYL		PESD5V5HS-SF	ESD Protection Diode	RFS	No	Bipolar Disretes
934662539315	PESD5V5HS2-SFYL		PESD5V5HS2-SF	ESD Protection Diode	RFS	No	Bipolar Disretes
934660139315	PESD7VOC1BSFYL	PESD7VOC1BSFYL	PESD7VOC1BSF	Ultra low capacitance bidirectional ESD protection diode	RFS	No	Bipolar Disretes
934660172315	PESD7VOH1BSFYL	PESD7VOH1BSFYL	PESD7VOH1BSF	Ultra low capacitance bidirectional ESD protection diode	RFS	No	Bipolar Disretes