



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 Assembly Process Product Marking Test Location Design
- Wafer Fab Materials Assembly Materials Mechanical Specification Test Process Errata
- Wafer Fab Location Assembly Location Packing/Shipping/Labeling Test Equipment 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.

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 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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Salesite_m_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	Salesite_m_state	SalesItem_discontinuationType	SalesItem_availability	SalesItem_source	SalesItem_lastTimeBuyDate	SalesItem_lastTimeShipDate	SalesItem_customerSpecificIndicator	Replacement_SalesItem_orderablePartNumber	Replacement_SalesItem_name	Replacement_ProductType_name	Replacement_BasicType_description	BusinessLine_description
9340696 17315	PESD3V3C1BSFYL	PESD3V3C1BSFYL	PESD3V3C 1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
9340696 74315	PESD3V3X1BCSFYL		PESD3V3X 1BCSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
9346621 48315	PESD4V0C1BSFYL		PESD4V0C 1BSF	ESD Protection Diode			RFS						No					Bipolar Discretes
9346621 49315	PESD4V0H1BSFYL		PESD4V0H 1BSF	ESD Protection Diode			RFS						No					Bipolar Discretes
9340687 66315	PESD5V0C1BSFYL	PESD5V0C1BSFYL	PESD5V0C 1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
9346617 27315	PESD5V0H1BLSFYL	PESD5V0H1BLSFYL	PESD5V0H 1BLSF	Extremely low capacitance bidirectional ESD protection diode for Lenovo			RFS						No					Bipolar Discretes
9340687 65315	PESD5V0H1BSFYL	PESD5V0H1BSFYL	PESD5V0H 1BSF	Applications			RFS						No					Bipolar Discretes
9340696 18315	PESD5V0HS-SFYL		PESD5V0H S-SF	Low capacitance			RFS						No					Bipolar Discretes

				bidirectional ESD protection diode for Lenovo														
9346624 79315	PESD5V0HS2-SFYL		PESD5V0H S2-SF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
9340696 73315	PESD5V0X1BCSFYL		PESD5V0X 1BCSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
9346612 02315	PESD5V5H1BSFYL		PESD5V5H 1BSF	Extremely low capacitance bidirectional ESD protection diode for Lenovo			RFS						No					Bipolar Discretes
9346622 12315	PESD5V5HS-SFYL		PESD5V5H S-SF	ESD Protection Diode			RFS						No					Bipolar Discretes
9346625 39315	PESD5V5HS2-SFYL		PESD5V5H S2-SF	ESD Protection Diode			RFS						No					Bipolar Discretes
9346601 39315	PESD7V0C1BSFYL		PESD7V0C 1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
9346601 72315	PESD7V0H1BSFYL	PESD7V0H1BSFYL	PESD7V0H 1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes