



Product Change Notification **CN-202210004F**

Issue date: 06 Oct 2022
Effective date: 18 Jan 2023
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.



Release of 200mm wafer diameter for transient voltage suppressor diodes in SOD128

Change Category

- | | | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | | |
| Wafer | Assembl | | | | |
| Fab | y | | | | |
| Process | Process | <input type="checkbox"/> | Product Marking | <input type="checkbox"/> | Test Design |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Mechanical | <input type="checkbox"/> | Location Errata |
| Wafer | Assembl | | Specification | <input type="checkbox"/> | Test |
| Fab | y | <input type="checkbox"/> | | <input type="checkbox"/> | Process Electrical |
| Material | Materials | | Packing/Shipping/Labelin | <input type="checkbox"/> | g spec./Tes |
| s | <input type="checkbox"/> | | | <input type="checkbox"/> | t coverage |
| <input type="checkbox"/> | Assembl | | | | |
| Wafer | y | | | | |
| Fab | Location | | | | |
| Location | | | | | |

Details of this change

Release of 200mm wafer diameter for transient voltage suppressor diodes in SOD128 package. Old products: Production using 150mm wafer diameter. Changed products: Production using 150 and 200mm wafer diameter. Please refer to the Self Qualification Report for details and list of affected product types. Production on 200mm wafer diameter implies the use of the respective 200mm wafer process technology

CN-202210004F_FORM-Rev_5_0_2.xlsm:

https://qcm.nexperia.com/Document/DOC-544673/CN-202210004F_FORM-Rev_5_0_2.xlsm

CN-202210004F-Delta-Qualification-Matrix-ZVEI-5_0_14.xlsm:

https://qcm.nexperia.com/Document/DOC-544669/CN-202210004F-Delta-Qualification-Matrix-ZVEI-5_0_14.xlsm

CN-202210004F_SelfQualificationReport.pdf:

https://qcm.nexperia.com/Document/DOC-544667/CN-202210004F_SelfQualificationReport.pdf

Why do we implement this change?

- Improved supply situation by capacity expansion in the wafer fab
- State of the Art technology by continuous alignment with world class technology trends
- Increased flexibility and improved volume ramp-up

Identification of affected products

The 200mm products can be identified by a marker on the die surface. Changed products can be identified by date code after implementation

Product availability

Production

Planned first shipment: 02 Jan 2023

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

Disposition of old products

Supply using 150mm wafer will be continued in parallel to 200mm wafer production.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 05 Nov 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

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