



Product Change Notification **CN-202204022F**

Issue date: 04 Jul 2022
Effective date: 16 Oct 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.



Release of 8 inch wafer diameter for switching diodes

Change Category

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

Details of this change

Release of 8 inch wafer diameter for switching diodes in various packages.
Old products: Production using 6 inch wafer diameter.
Changed products: Production using 6 and 8 inch wafer diameter.
Please refer to the Self Qualification Report for details and list of affected product types.
Production on 8 inch wafer diameter implies the use of the respective 8 inch wafer process technology.

CN-FORM-Rev_5_0_2_CN-202204022F.xlsm:
https://qcm.nexperia.com/Document/DOC-540501/CN-FORM-Rev_5_0_2_CN-202204022F.xlsm

SQR_CN_202204022F.pdf: https://qcm.nexperia.com/Document/DOC-540499/SQR_CN_202204022F.pdf

CN-Delta-Qualification-Matrix-ZVEI-5_0_14_CN-202204022F.xlsm:
https://qcm.nexperia.com/Document/DOC-540500/CN-Delta-Qualification-Matrix-ZVEI-5_0_14_CN-202204022F.xlsm

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 8 inch 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: 17 Oct 2022

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 6 inch wafer will be continued in parallel to 8 inch wafer production.

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 03 Aug 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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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	SalesItem_state	SalesItem_customerSpecificIndicator	BusinessLine_description
934033580115	1PS300,115		1PS300	Dual high-speed switching	SOT1215	SC-70	RFS	No	Bipolar Discretes
934052910115	BAV7565,115	BAV7565,115	BAV7565	High-speed switching diod	SOT363	SC-88	RFS	No	Bipolar Discretes
934665253147	BAV99QA-QZ		BAV99QA-Q	Dual series high-speed swi	SOT1215	DFN1010D-3	RFS	No	Bipolar Discretes
934069815147	BAV99AZ	934069815147	BAV99QA	Dual series high-speed swi	SOT1215	DFN1010D-3	RFS	No	Bipolar Discretes
934061271315	BAW56M,315		BAW56M	High-speed switching diod	SOT883	XQFN3	RFS	No	Bipolar Discretes
934069812147	BAW56QAZ		BAW56QA	Dual common anode high-S	T1215	DFN1010D-3	RFS	No	Bipolar Discretes
934045730115	BAW565,115	BAW565,115	BAW565	High-speed switching diod	SOT363	SC-88	RFS	No	Bipolar Discretes
934045730135	BAW565,135		BAW565	High-speed switching diod	SOT363	SC-88	RFS	No	Bipolar Discretes
934663654135	BAW565-QF		BAW565-Q	High-speed switching diod	SOT363	SC-88	RFS	No	Bipolar Discretes
934663654115	BAW565-QX		BAW565-Q	High-speed switching diod	SOT363	SC-88	RFS	No	Bipolar Discretes
934665254147	BAW565RA-QZ		BAW565RA-Q	Quad high-speed switchin	SOT1268-1	DFN1412-6	RFS	No	Bipolar Discretes
934070159147	BAW565RAZ	BAW565RAZ	BAW565RA	Quad high-speed switching	SOT1268-1	DFN1412-6	RFS	No	Bipolar Discretes
934026020115	BAW56W,115	BAW56W,115	BAW56W	High-speed switching diod	SOT323	SC-70	RFS	No	Bipolar Discretes
934026020135	BAW56W,135	BAW56W,135	BAW56W	High-speed switching diod	SOT323	SC-70	RFS	No	Bipolar Discretes
934663625135	BAW56W-QF		BAW56W-Q	Switching Diodes	SOT323	SC-70	RFS	No	Bipolar Discretes
934663625115	BAW56W-QX		BAW56W-Q	Switching Diodes	SOT323	SC-70	RFS	No	Bipolar Discretes
934665255147	NUP1301QA-QZ		NUP1301QA-Q	Ultra low capacitance ESD	SOT1215	DFN1010D-3	RFS	No	Bipolar Discretes
934659999147	NUP1301QAQZ		NUP1301QA	Ultra low capacitance ESD	SOT1215	DFN1010D-3	RFS	No	Bipolar Discretes