



**Product Change Notification** **CN-202303043FU01**

**Issue date:** 10 May 2023

**Effective date:** 22 Aug 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.



**Change of mold compound, backmetal, lead frame, and clip for 200V PN rectifiers in SOD123W and SOD128**

**Change Category**

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

**Details of this change**

Change of mold compound, backmetal, lead frame, and clip for 200V PN rectifiers in SOD123 and SOD128

SQR\_SOD123W\_SOD128\_CN-202303043FU01.pdf:

[https://qcm.nexperia.com/Document/DOC-554269/SQR\\_SOD123W\\_SOD128\\_CN-202303043FU01.pdf](https://qcm.nexperia.com/Document/DOC-554269/SQR_SOD123W_SOD128_CN-202303043FU01.pdf)

PCN-Delta-Qualification-Matrix-ZVEI-5\_0\_14\_SOD123W\_SOD128\_CN-202303043FU01.xlsm: [https://qcm.nexperia.com/Document/DOC-554185/PCN-Delta-Qualification-Matrix-ZVEI-5\\_0\\_14\\_SOD123W\\_SOD128\\_CN-202303043FU01.xlsm](https://qcm.nexperia.com/Document/DOC-554185/PCN-Delta-Qualification-Matrix-ZVEI-5_0_14_SOD123W_SOD128_CN-202303043FU01.xlsm)

PCN-FORM-Rev\_5\_0\_2SOD123W\_SOD128\_CN-202303043FU01.xlsm: [https://qcm.nexperia.com/Document/DOC-554187/PCN-FORM-Rev\\_5\\_0\\_2SOD123W\\_SOD128\\_CN-202303043FU01.xlsm](https://qcm.nexperia.com/Document/DOC-554187/PCN-FORM-Rev_5_0_2SOD123W_SOD128_CN-202303043FU01.xlsm)

### **Why do we implement this change?**

To improve the long-term stability under thermomechanical stress, the surge current capabilities of the affected products and implement standardization of the products with regard to the backside metallization and lead frame.

### **Identification of affected products**

Top Side Marking

## **Product availability**

### **Production**

Planned first shipment: 17 Jul 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**

A new datasheet will be issued

## **Feedback**

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 09 Jun 2023. Lack of acknowledgement of the PCN constitutes acceptance of the change.

## **Additional information**

[View Change Notification Online](#)

## **Update history**

Change of package name from SOD123 to SOD123W

## **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](mailto: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
934067815115	PNE20010ERX		PNE20010ER	200 V, 1 A hyperfast recov	SOD123FL	SOD2	RFS	No	Bipolar Discretet
934067815115	PNE20010ERX		PNE20010ER	200 V, 1 A hyperfast recov	SOD123W	SOD2	RFS	No	Bipolar Discretet
934067817115	PNE20020EPX		PNE20020EP	200 V, 3 A hyperfast recov	SOD128	FlatPower	RFS	No	Bipolar Discretet
934067816115	PNE20020ERX	PNE20020ERX	PNE20020ER	200 V, 2 A hyperfast recov	SOD123FL	SOD2	RFS	No	Bipolar Discretet
934067816115	PNE20020ERX	PNE20020ERX	PNE20020ER	200 V, 2 A hyperfast recov	SOD123W	SOD2	RFS	No	Bipolar Discretet
934067818115	PNE20030EPX	PNE20030EPX	PNE20030EP	200 V, 3 A hyperfast &nbs	SOD128	FlatPower	RFS	No	Bipolar Discretet