



**Product Change Notification** **CN-202212019F**

**Issue date:** 06 Jan 2023  
**Effective date:** 20 Apr 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 back side metallization thickness - wave 4**

**Change Category**

- Wafer
- Fab
- Process
- Wafer
- Fab
- Material
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- Wafer
- Fab
- Location
- Assembl
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- Materials
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- Location
- [ ] Product Marking
- [ ] Mechanical
- [ ] Specification
- [ ] Packing/Shipping/Labelin
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- [ ] Test
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**Details of this change**

The back side metallization thickness will be changed from 2.25  $\mu\text{m}$  to 1.75  $\mu\text{m}$ .

The change of back side metallization thickness is combined with the introduction of 8 inch wafer diameter for product type PBSS5350D.

Current products: back side metallization thickness 2.25  $\mu\text{m}$ ; 8 inch (where affected) and 6 inch (where affected)

Changed products: back side metallization thickness 1.75  $\mu\text{m}$ ; 8 inch

Production on 8 inch wafer diameter implies the use of the respective 8 inch wafer process technology.

SQR\_202212019F.pdf: [https://qcm.nexperia.com/Document/DOC-548488/SQR\\_202212019F.pdf](https://qcm.nexperia.com/Document/DOC-548488/SQR_202212019F.pdf)

PCNForm.zip: <https://qcm.nexperia.com/Document/DOC-548461/PCNForm.zip>

DeQuMa.zip: <https://qcm.nexperia.com/Document/DOC-548460/DeQuMa.zip>

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

- To increase efficiency of volume production.
- Capacity expansion in wafer fab
- Continued alignment with world technology trends on state of the art production tools for discrete components

### **Identification of affected products**

Changed product can be identified by date code after implementation. 8 inch products can be identified by a marker on the die surface.

## **Product availability**

### **Production**

Planned first shipment: 01 May 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

## Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 05 Feb 2023. 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](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
934056174115	BAT854CW,115	BAT854CW,115	BAT854CW	Schottky barrier (double)	†SOT323	SC-70	RFS	No	Bipolar Disretes
934056174135	BAT854CW,135	BAT854CW,135	BAT854CW	Schottky barrier (double)	†SOT323	SC-70	RFS	No	Bipolar Disretes
934664480135	BAT854CW-QF		BAT854CW-Q	Schottky barrier (double)	†SOT323	SC-70	RFS	No	Bipolar Disretes
934664480115	BAT854CW-QX		BAT854CW-Q	Schottky barrier (double)	†SOT323	SC-70	RFS	No	Bipolar Disretes
934056175115	BAT854SW,115	BAT854SW,115	BAT854SW	Schottky barrier (double)	†SOT323	SC-70	RFS	No	Bipolar Disretes
934664479115	BAT854SW-QX		BAT854SW-Q	Schottky barrier (double)	†SOT323	SC-70	RFS	No	Bipolar Disretes
934056175135	BAT854SWF	BAT854SWF	BAT854SW	Schottky barrier (double)	†SOT323	SC-70	RFS	No	Bipolar Disretes
934055946115	PB55350D,115	PB55350D,115	PB55350D	50 V, 3 A PNP low VCEsat	†SOT457	SC-74	RFS	No	Bipolar Disretes
934055946125	PB55350D,125		PB55350D	50 V, 3 A PNP low VCEsat	†SOT457	SC-74	RFS	No	Bipolar Disretes
934055946135	PB55350D,135		PB55350D	50 V, 3 A PNP low VCEsat	†SOT457	SC-74	RFS	No	Bipolar Disretes
934664537115	PB55350D-QX		PB55350D-Q	50 V, 3 A PNP low VCEsat	†SOT457	SC-74	RFS	No	Bipolar Disretes
934057752115	PMEG4005AEA,115	PMEG4005AEA,115	PMEG4005AEA	Very low VF MEGA Schott	SOD323	SOD2	RFS	No	Bipolar Disretes
934663853135	PMEG4005AEA-QF		PMEG4005AEA-Q	Very low VF MEGA Schott	SOD323	SOD2	RFS	No	Bipolar Disretes
934663853115	PMEG4005AEA-QX		PMEG4005AEA-Q	Very low VF MEGA Schott	SOD323	SOD2	RFS	No	Bipolar Disretes
934663853145	PMEG4005AEA-QZ		PMEG4005AEA-Q	Very low VF MEGA Schott	SOD323	SOD2	RFS	No	Bipolar Disretes
934057752135	PMEG4005AEAF	PMEG4005AEAF	PMEG4005AEA	Very low VF MEGA Schott	SOD323	SOD2	RFS	No	Bipolar Disretes
934057752145	PMEG4005AEAZ	PMEG4005AEAZ	PMEG4005AEA	Very low VF MEGA Schott	SOD323	SOD2	RFS	No	Bipolar Disretes
934057918115	PMEG4010BEA,115	PMEG4010BEA,115	PMEG4010BEA	1 A very low VF MEGA Sch	SOD323	SOD2	RFS	No	Bipolar Disretes
934057918135	PMEG4010BEA,135	PMEG4010BEA,135	PMEG4010BEA	1 A very low VF MEGA Sch	SOD323	SOD2	RFS	No	Bipolar Disretes
934663855135	PMEG4010BEA-QF		PMEG4010BEA-Q	1 A very low VF MEGA Sch	SOD323	SOD2	RFS	No	Bipolar Disretes
934663855115	PMEG4010BEA-QX		PMEG4010BEA-Q	1 A very low VF MEGA Sch	SOD323	SOD2	RFS	No	Bipolar Disretes