



**Product Change Notification**

**CN-202211038F**

**Issue date:** 02 Jan 2023

**Effective date:** 16 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.



**Release of 8 inch wafer diameter for RETs - wave 2**

**Change Category**

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

**Details of this change**

Release of production using 8 inch wafer diameter for Resistor-Equipped Transistors (RET). For selected types, the conversion is combined with the introduction of:

- Change of die layout and die pitch size
- Change of top side metallization

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.

SQR\_CN\_202211038F.pdf: [https://qcm.nexperia.com/Document/DOC-547962/SQR\\_CN\\_202211038F.pdf](https://qcm.nexperia.com/Document/DOC-547962/SQR_CN_202211038F.pdf)

CN-Delta-Qualification-Matrix-ZVEI-5\_0\_14\_CN-202211038F.xlsm:  
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CN-FORM-Rev\_5\_0\_2\_CN-202211038F.xlsm:  
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### **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 - Increase 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: 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

### 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 01 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.

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