



Product Change Notification **CN-202209023F**

Issue date: 07 Oct 2022
Effective date: 19 Jan 2023
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Introduction of new Epoxy Mold Compounds (EMC) in SOT23 package - wave 3

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

Details of this change

Introduction of additional EMCs (epoxy mold compounds) GR646CHN, CV4112 and EME-E500HK in SOT23 package. The release of 2nd source epoxy mold compounds is combined with the introduction of 8 inch wafer diameter for BAW56 and BAW56-Q.

Current Products:

GR646, 3400FPG (where affected) and EME-E500HK (where affected); 8 inch (where affected) and 6 inch (where affected)

Changed Products:

GR646CHN, EME-E500HK, CV4112 (where affected), GR646 (where affected) and 3400FPG (where affected); 8 inch (where affected) and 6 inch (where affected)

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

SQR_CN-202209023F.pdf: https://qcm.nexperia.com/Document/DOC-544731/SQR_CN-202209023F.pdf

CN-202209023F-PCN-FORM-Rev_5_0_2.zip:

https://qcm.nexperia.com/Document/DOC-544730/CN-202209023F-PCN-FORM-Rev_5_0_2.zip

CN-202209023F-DeQuMa-ZVEI-5_0_14.zip:

https://qcm.nexperia.com/Document/DOC-544729/CN-202209023F-DeQuMa-ZVEI-5_0_14.zip

Why do we implement this change?

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

Identification of affected products

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

Product availability

Production

Planned first shipment: 01 Feb 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 06 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.

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934662047235	BZX8450-C4V3VL	BZX8450-C4V3VL	BZX8450-C4V3	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663292215	BZX8450-C4V7-QR	BZX8450-C4V7-QR	BZX8450-C4V7-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663292235	BZX8450-C4V7-QVL	BZX8450-C4V7-QVL	BZX8450-C4V7-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662048215	BZX8450-C4V7R	BZX8450-C4V7R	BZX8450-C4V7	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662048235	BZX8450-C4V7VL	BZX8450-C4V7VL	BZX8450-C4V7	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663317215	BZX8450-C51-QR	BZX8450-C51-QR	BZX8450-C51-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663317235	BZX8450-C51-QVL	BZX8450-C51-QVL	BZX8450-C51-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662076215	BZX8450-C51R	BZX8450-C51R	BZX8450-C51	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662076235	BZX8450-C51VL	BZX8450-C51VL	BZX8450-C51	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663318215	BZX8450-C56-QR	BZX8450-C56-QR	BZX8450-C56-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663318235	BZX8450-C56-QVL	BZX8450-C56-QVL	BZX8450-C56-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662077215	BZX8450-C56R	BZX8450-C56R	BZX8450-C56	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662077235	BZX8450-C56VL	BZX8450-C56VL	BZX8450-C56	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663292215	BZX8450-C5V1-QR	BZX8450-C5V1-QR	BZX8450-C5V1-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663292235	BZX8450-C5V1-QVL	BZX8450-C5V1-QVL	BZX8450-C5V1-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662049215	BZX8450-C5V1R	BZX8450-C5V1R	BZX8450-C5V1	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662049235	BZX8450-C5V1VL	BZX8450-C5V1VL	BZX8450-C5V1	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663294215	BZX8450-C5V6-QR	BZX8450-C5V6-QR	BZX8450-C5V6-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663294235	BZX8450-C5V6-QVL	BZX8450-C5V6-QVL	BZX8450-C5V6-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662051215	BZX8450-C5V6R	BZX8450-C5V6R	BZX8450-C5V6	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662051235	BZX8450-C5V6VL	BZX8450-C5V6VL	BZX8450-C5V6	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663319215	BZX8450-C62-QR	BZX8450-C62-QR	BZX8450-C62-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663319235	BZX8450-C62-QVL	BZX8450-C62-QVL	BZX8450-C62-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662078215	BZX8450-C62R	BZX8450-C62R	BZX8450-C62	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662078235	BZX8450-C62VL	BZX8450-C62VL	BZX8450-C62	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663320215	BZX8450-C68-QR	BZX8450-C68-QR	BZX8450-C68-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663320235	BZX8450-C68-QVL	BZX8450-C68-QVL	BZX8450-C68-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662079215	BZX8450-C68R	BZX8450-C68R	BZX8450-C68	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662079235	BZX8450-C68VL	BZX8450-C68VL	BZX8450-C68	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663295215	BZX8450-C6V2-QR	BZX8450-C6V2-QR	BZX8450-C6V2-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663295235	BZX8450-C6V2-QVL	BZX8450-C6V2-QVL	BZX8450-C6V2-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662052215	BZX8450-C6V2R	BZX8450-C6V2R	BZX8450-C6V2	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662052235	BZX8450-C6V2VL	BZX8450-C6V2VL	BZX8450-C6V2	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663296215	BZX8450-C6V8-QR	BZX8450-C6V8-QR	BZX8450-C6V8-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663296235	BZX8450-C6V8-QVL	BZX8450-C6V8-QVL	BZX8450-C6V8-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662053215	BZX8450-C6V8R	BZX8450-C6V8R	BZX8450-C6V8	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662053235	BZX8450-C6V8VL	BZX8450-C6V8VL	BZX8450-C6V8	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663321215	BZX8450-C75-QR	BZX8450-C75-QR	BZX8450-C75-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663321235	BZX8450-C75-QVL	BZX8450-C75-QVL	BZX8450-C75-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662081215	BZX8450-C75R	BZX8450-C75R	BZX8450-C75	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662081235	BZX8450-C75VL	BZX8450-C75VL	BZX8450-C75	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663297215	BZX8450-C7V5-QR	BZX8450-C7V5-QR	BZX8450-C7V5-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663297235	BZX8450-C7V5-QVL	BZX8450-C7V5-QVL	BZX8450-C7V5-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662054215	BZX8450-C7V5R	BZX8450-C7V5R	BZX8450-C7V5	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662054235	BZX8450-C7V5VL	BZX8450-C7V5VL	BZX8450-C7V5	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663298215	BZX8450-C8V2-QR	BZX8450-C8V2-QR	BZX8450-C8V2-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663298235	BZX8450-C8V2-QVL	BZX8450-C8V2-QVL	BZX8450-C8V2-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662055215	BZX8450-C8V2R	BZX8450-C8V2R	BZX8450-C8V2	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662055235	BZX8450-C8V2VL	BZX8450-C8V2VL	BZX8450-C8V2	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663299215	BZX8450-C9V1-QR	BZX8450-C9V1-QR	BZX8450-C9V1-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663299235	BZX8450-C9V1-QVL	BZX8450-C9V1-QVL	BZX8450-C9V1-Q	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662056215	BZX8450-C9V1R	BZX8450-C9V1R	BZX8450-C9V1	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934662056235	BZX8450-C9V1VL	BZX8450-C9V1VL	BZX8450-C9V1	ZENER DIODE	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934031020215	PDTC124ET,215	PDTC124ET,215	PDTC124ET	NPN resistor-equipped tra	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934031020235	PDTC124ET,235	PDTC124ET,235	PDTC124ET	NPN resistor-equipped tra	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663886215	PDTC124ET-QR	PDTC124ET-QR	PDTC124ET-Q	NPN resistor-equipped tra	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663886235	PDTC124ET-QVL	PDTC124ET-QVL	PDTC124ET-Q	NPN resistor-equipped tra	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934663890215	PDTD143ET-QR	PDTD143ET-QR	PDTD143ET	500 mA, 50 V NPN resistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934068349215	PDTD143ETR	PDTD143ETR	PDTD143ET	500 mA, 50 V NPN resistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934068349235	PDTD143ETVL	PDTD143ETVL	PDTD143ET	500 mA, 50 V NPN resistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934061051215	PMEG4010ET,215	PMEG4010ET,215	PMEG4010ET	1 A very low VF MEGA Sch	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934664459215	PMEG4010ET-QR	PMEG4010ET-QR	PMEG4010ET-Q	1 A very low VF MEGA Sch	SOT23	TO-236AB	RFS	No	Bipolar Discretes