



Product Change Notification **CN-202203020F**

Issue date: 06 Jul 2022
Effective date: 18 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.



Change of back side metallization thickness - wave 2

Change Category

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

Details of this change

The back side metallization thickness will be changed from 2.15 μm to 1.75 μm . The change of back side metallization thickness is combined with the introduction of 8 inch wafer diameter for product type PBSS5320D.

Current products: back side metallization thickness 2.15 μm ; 8 inch (where affected) and 6 inch (where affected)

Changed products: back side metallization thickness 1.75 μm ; 8 inch

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

SQR_202203020F.pdf: https://qcm.nexperia.com/Document/DOC-540593/SQR_202203020F.pdf

PCNForm_Rev_5_0_2.zip: https://qcm.nexperia.com/Document/DOC-540590/PCNForm_Rev_5_0_2.zip

Delta-Qualification-Matrix-ZVEI-5_0_14.zip:
https://qcm.nexperia.com/Document/DOC-540589/Delta-Qualification-Matrix-ZVEI-5_0_14.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 Nov 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 05 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
934024240115	BC807-16W,115	BC807-16W,115	BC807-16W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934024240135	BC807-16W,135		BC807-16W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934663662135	BC807-16W-QF		BC807-16W-Q	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934663662115	BC807-16W-QX		BC807-16W-Q	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934024250115	BC807-25W,115	BC807-25W,115	BC807-25W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934024250135	BC807-25W,135		BC807-25W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934663660135	BC807-25W-QF		BC807-25W-Q	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934663660115	BC807-25W-QX		BC807-25W-Q	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934024260115	BC807-40W,115	BC807-40W,115	BC807-40W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934024260135	BC807-40W,135		BC807-40W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934663659135	BC807-40W-QF		BC807-40W-Q	small signal transistor	SOT323	SC-70	RFS	No	Bipolar Disretes
934663659115	BC807-40W-QX		BC807-40W-Q	small signal transistor	SOT323	SC-70	RFS	No	Bipolar Disretes
934027170115	BC807W,115	BC807W,115	BC807W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934027170135	BC807W,135		BC807W	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934663661135	BC807W-QF		BC807W-Q	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
934663661115	BC807W-QX		BC807W-Q	45 V, 500 mA PNP general	SOT323	SC-70	RFS	No	Bipolar Disretes
933917210115	BCP55,115	BCP55,115	BCP55	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917210135	BCP55,135		BCP55	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917220115	BCP55-10,115	BCP55-10,115	BCP55-10	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663667115	BCP55-10-QX		BCP55-10-Q	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917230115	BCP55-16,115	BCP55-16,115	BCP55-16	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663696135	BCP55-16-QF		BCP55-16-Q	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663696115	BCP55-16-QX		BCP55-16-Q	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917230135	BCP55-16F		BCP55-16	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663695135	BCP55-QF		BCP55-Q	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663695115	BCP55-QX		BCP55-Q	60 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917240115	BCP56,115	BCP56,115	BCP56	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917250115	BCP56-10,115	BCP56-10,115	BCP56-10	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917250135	BCP56-10,135	BCP56-10,135	BCP56-10	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663689135	BCP56-10-QF		BCP56-10-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663689115	BCP56-10-QX		BCP56-10-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663669135	BCP56-10T-QF		BCP56-10T-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663669115	BCP56-10T-QX		BCP56-10T-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934070118115	BCP56-10TX	934070118115	BCP56-10T	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917260115	BCP56-16,115	BCP56-16,115	BCP56-16	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917260135	BCP56-16,135	BCP56-16,135	BCP56-16	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663686135	BCP56-16-QF		BCP56-16-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663686115	BCP56-16-QX		BCP56-16-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663632135	BCP56-16T-QF		BCP56-16T-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663632115	BCP56-16T-QX		BCP56-16T-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934070119135	BCP56-16TF	BCP56-16TF	BCP56-16T	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934070119115	BCP56-16TX	BCP56-16TX	BCP56-16T	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663688135	BCP56-QF		BCP56-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663688115	BCP56-QX		BCP56-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
933917240135	BCP56F		BCP56	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663762135	BCP56T-QF		BCP56T-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934663762115	BCP56T-QX		BCP56T-Q	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934070117135	BCP56TF	BCP56TF	BCP56T	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934070117115	BCP56TX	BCP56TX	BCP56T	80 V, 1 A NPN medium po	SOT223	SC-73	RFS	No	Bipolar Disretes
934056921115	PBSS5320D,115	PBSS5320D,115	PBSS5320D	20 V low VCEsat PNP trans	SOT457	SC-74	RFS	No	Bipolar Disretes
934056921125	PBSS5320D,115		PBSS5320D	20 V low VCEsat PNP trans	SOT457	SC-74	RFS	No	Bipolar Disretes
934662975215	PESD2ETHAX-QR		PESD2ETHAX-Q	PESD2ETHAX-Q	SOT143B	SOT4	RFS	No	Bipolar Disretes