



## *Product Change Notification*

*CN-202411017F*

**Issue date:** 21 Jan 2025

**Effective date:** 04 May 2025

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.



## *New die-layout and -size of switching transistors*

### Change

### Category

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

## *Details of this change*

The following changes are affected: - Die Design (please see the SQR) - Die shrink from 280 x 280  $\mu\text{m}^2$ , 400 x 400  $\mu\text{m}^2$  and 370 x 350  $\mu\text{m}^2$  to 260 x 260  $\mu\text{m}^2$ , 371 x 371  $\mu\text{m}^2$  and 302 x 302  $\mu\text{m}^2$

PCN-FORM-CN-202411017F.xlsm:

<https://qcm.nexperia.com/Document/DOC-587943/PCN-FORM-CN-202411017F.xlsm>

SQR\_CN\_202411017F.pdf: [https://qcm.nexperia.com/Document/DOC-587885/SQR\\_CN\\_202411017F.pdf](https://qcm.nexperia.com/Document/DOC-587885/SQR_CN_202411017F.pdf)

Delta-Qualification-Matrix\_CN-202411017F.xlsm:

[https://qcm.nexperia.com/Document/DOC-587883/Delta-Qualification-Matrix\\_CN-202411017F.xlsm](https://qcm.nexperia.com/Document/DOC-587883/Delta-Qualification-Matrix_CN-202411017F.xlsm)

ChemicalContents\_CN-202411017F.zip:

[https://qcm.nexperia.com/Document/DOC-587867/ChemicalContents\\_CN-202411017F.zip](https://qcm.nexperia.com/Document/DOC-587867/ChemicalContents_CN-202411017F.zip)

CN-202411017F\_changeMatrix.xlsx:

[https://qcm.nexperia.com/Document/DOC-587569/CN-202411017F\\_changeMatrix.xlsx](https://qcm.nexperia.com/Document/DOC-587569/CN-202411017F_changeMatrix.xlsx)

Why do we implement this change?

Increase of production capacity

Identification of affected products

Changed products can be identified by date code after implementation

### *Product availability*

Production

Planned first shipment: 04 May 2025

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 20 Feb 2025. 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 your 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
933508400215	BSR16_215	BSR16_215	BSR16	60V, 600 mA, PNP switching	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933864360215	MMBT3904_215	MMBT3904_215	MMBT3904	NPN switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933864360235	MMBT3904VL	MMBT3904VL	MMBT3904	NPN switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933864370215	MMBT3906_215	MMBT3906_215	MMBT3906	PNP switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933864370235	MMBT3906VL	MMBT3906VL	MMBT3906	PNP switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933864840215	PMBT2907_215	PMBT2907_215	PMBT2907	40V, 600 mA, PNP switching	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933821800215	PMBT2907A_215	PMBT2907A_215	PMBT2907A	60V, 600 mA, PNP switching	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933821800235	PMBT2907A_235	933821800235	PMBT2907A	60V, 600 mA, PNP switching	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934665419215	PMBT3904_QR	PMBT3904_QR	PMBT3904-Q	Small Signal Bipolar Transi	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934665419235	PMBT3904_QVL	PMBT3904_QVL	PMBT3904-Q	Small Signal Bipolar Transi	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933776010215	PMBT3906_215	PMBT3906_215	PMBT3906	PNP switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933776010235	PMBT3906_235	933776010235	PMBT3906	PNP switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934665419215	PMBT3906_QR	PMBT3906_QR	PMBT3906-Q	PNP switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934063476315	PMBT3909M_315	PMBT3909M_315	PMBT3909M	40V, 200 mA PNP switching	SOT883	XQFN3	RFS	No	Bipolar Discretes
934065893315	PMBT3909MB_315	PMBT3909MB_315	PMBT3909MB	40V, 200 mA PNP switching	SOT883B	XQFN3	RFS	No	Bipolar Discretes
934061453115	PMBT3946YPN_115	PMBT3946YPN_115	PMBT3946YPN	40V, 200 mA NPN/PNP gen	SOT363	SC-88	RFS	No	Bipolar Discretes
934061453125	PMBT3946YPN_125	PMBT3946YPN_125	PMBT3946YPN	40V, 200 mA NPN/PNP gen	SOT363	SC-88	RFS	No	Bipolar Discretes
934665671125	PMBT3946YPN_QH	PMBT3946YPN_QH	PMBT3946YPN-Q	40V, 200 mA NPN/PNP gen	SOT363	SC-88	RFS	No	Bipolar Discretes
934665671115	PMBT3946YPN_QX	PMBT3946YPN_QX	PMBT3946YPN-Q	40V, 200 mA NPN/PNP gen	SOT363	SC-88	RFS	No	Bipolar Discretes
933821340215	PMBT4403_215	PMBT4403_215	PMBT4403	40V, 600 mA, PNP switchin	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933821340235	PMBT4403_235	PMBT4403_235	PMBT4403	40V, 600 mA, PNP switchin	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934666351215	PMBT4403_QR	PMBT4403_QR	PMBT4403-Q	PMBT4403-Q	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934666351235	PMBT4403_QVL	PMBT4403_QVL	PMBT4403-Q	PMBT4403-Q	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934666351185	PMBT4403_QZ	PMBT4403_QZ	PMBT4403-Q	PMBT4403-Q	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933821340185	PMBT4403Z	933821340185	PMBT4403	40V, 600 mA, PNP switchin	SOT23	TO-236AB	RFS	No	Bipolar Discretes
934660771615	PMP3906AYS_QZ	PMP3906AYS_QZ	PMP3906AYS-Q	Transistor	SOT363	SC-88	RFS	No	Bipolar Discretes
934660761215	PMP3906AYSH	PMP3906AYSH	PMP3906AYS	Transistor	SOT363	SC-88	RFS	No	Bipolar Discretes
934026930115	PNST3906_115	PNST3906_115	PNST3906	40V, 200 mA PNP switching	SOT323	SC-70	RFS	No	Bipolar Discretes
934026930135	PNST3906_135	PNST3906_135	PNST3906	40V, 200 mA PNP switching	SOT323	SC-70	RFS	No	Bipolar Discretes