



**Product Change Notification**

**CN-202202010F**

**Issue date:** 06 Apr 2022

**Effective date:** 19 Jul 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 die size and introduction of new EMCs**

**Change Category**

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

**Details of this change**

The die size will be changed from 400µm x 400µm to 330µm x 330µm for PMBT2222A, PMBT2222 and MMBT2222A and from 400µm x 400µm to 340µm x 340µm for PMBT4401. The change of the die size is combined with the introduction of additional EMCs (epoxy mold compounds) GR646CHN, CV4112 and E500HK. Following the details:

For PMBT2222A, PMBT2222 and MMBT2222A:

Current Products - die size 400µm x 400µm - epoxy mold compound: GR646,

Changed Products - die size 330µm x 330µm - epoxy mold compound: GR646, CV4112, E500HK and GR646CHN

For PMBT4401:

Current Products - die size 400µm x 400µm - epoxy mold compound: GR646,

Changed Products - die size 340µm x 340µm - epoxy mold compound: GR646, CV4112, E500HK and GR646CHN

SQR\_202202010F.pdf: [https://qcm.nexperia.com/Document/DOC-537365/SQR\\_202202010F.pdf](https://qcm.nexperia.com/Document/DOC-537365/SQR_202202010F.pdf)

PCN-FORM-Rev\_5\_0\_2.xlsm: [https://qcm.nexperia.com/Document/DOC-537053/PCN-FORM-Rev\\_5\\_0\\_2.xlsm](https://qcm.nexperia.com/Document/DOC-537053/PCN-FORM-Rev_5_0_2.xlsm)

PCN-Delta-Qualification-Matrix-ZVEI-5\_0\_14.xlsm: [https://qcm.nexperia.com/Document/DOC-536506/PCN-Delta-Qualification-Matrix-ZVEI-5\\_0\\_14.xlsm](https://qcm.nexperia.com/Document/DOC-536506/PCN-Delta-Qualification-Matrix-ZVEI-5_0_14.xlsm)

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

to increase efficiency of volume production - to increase flexibility and volume ramp-up

### **Identification of affected products**

Changed product can be identified by date code after implementation.

## **Product availability**

### **Production**

Planned first shipment: 18 Jul 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

### **Feedback**

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 06 May 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](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_discontinuationType	SalesItem_availability	SalesItem_source	SalesItem_lastTimeBuyDate	SalesItem_lastTimeShipDate	SalesItem_customerSpecificIndicator	Replacement_SalesItem_orderablePartNumber	Replacement_SalesItem_name	Replacement_ProductType_name	Replacement_BasicType_description	BusinessLine_description
933545610215	MMBT2222A,215	MMBT2222A,215	MMBT2222A	NPN switching transistor	SOT23	TO-236AB	RFS						No					Bipolar Discretes
933846830215	PMBT2222,215	PMBT2222,215	PMBT2222	NPN switching transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
933846830235	PMBT2222,235		PMBT2222	NPN switching transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
933821790215	PMBT2222A,215	PMBT2222A,215	PMBT2222A	NPN switching transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
933821790235	PMBT2222A,235		PMBT2222A	NPN switching transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
933821810185	PMBT4401,185		PMBT4401	NPN switching transistor	SOT23	TO-236AB	RFS						No					Bipolar Discretes
933821810215	PMBT4401,215	PMBT4401,215	PMBT4401	NPN switching transistor	SOT23	TO-236AB	RFS						No					Bipolar Discretes
933821810235	PMBT4401,235		PMBT4401	NPN switching transistor	SOT23	TO-236AB	RFS						No					Bipolar Discretes