



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

- Wafer
- Fab
- Process
- Wafer
- Fab
- Material
- s
- Wafer
- Fab
- Location
- Assembl
- Process
- Assembl
- Materials
- Assembl
- Location
- Product Marking
- Mechanical
- Specification
- Packing/Shipping/Labelin
- g
- Test
- Location
- Test
- Process
- Test
- Equipmen
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- Design
- Errata
- Electrical
- spec./Tes
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- 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

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

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.

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
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	PMBT2222,235	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,235	PMBT2222A	NPN switching transistors	SOT23	TO-236AB	RFS	No	Bipolar Discretes
933821810185	PMBT4401,185	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	933821810235	PMBT4401	NPN switching transistor	SOT23	TO-236AB	RFS	No	Bipolar Discretes