



Product Change Notification

CN-202109019F

Issue date: 08 Oct 2021

Effective date: 20 Jan 2022

Dear

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 and introduction of new EMCs and Cu wire for a few products in SOT23

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 back side metallization thickness will be changed from 2.15 μm to 1.75 μm .

The change of the back side metallization thickness is combined with the introduction of additional EMCs (epoxy mold compounds) GR646CHN, CV4112B and E500HK.

Following the details:

Current Products

- back side metallization thickness 2.15 μm
- epoxy mold compound: GR646, 3400FPG (where affected)

Changed Products

- back side metallization thickness 1.75 μm
- epoxy mold compound: GR646, CV4112B, E500HK and GR646CHN (where affected)

SQR_202109019F.pdf: https://qcm.nexperia.com/Document/DOC-520070/SQR_202109019F.pdf

202109019F_PCN-FORM-Rev_4_0.xlsm: https://qcm.nexperia.com/Document/DOC-520051/202109019F_PCN-FORM-Rev_4_0.xlsm

202109019F_PCN-Delta-Qualification-Matrix-ZVEI-4_1.xlsm: https://qcm.nexperia.com/Document/DOC-520050/202109019F_PCN-Delta-Qualification-Matrix-ZVEI-4_1.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: 01 Feb 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 07 Nov 2021. 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_status	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
934062304215	2PB710ASL,215		2PB710A SL	50 V, 500 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934062304235	2PB710ASL,235		2PB710A SL	50 V, 500 mA PNP general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934062315215	2PD602ASL,215	2PD602ASL,215	2PD602A SL	50 V, 500 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934062315235	2PD602ASL,235		2PD602A SL	50 V, 500 mA NPN general-purpose transistors	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934051280215	BAT720,215	BAT720,215	BAT720	Schottky barrier diode	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934051280235	BAT720,235		BAT720	Schottky barrier diode	SOT23	TO-236AB	RFS						No					Bipolar Discretes
934058979215	PDTB113ZT,215	PDTB113ZT,215	PDTB113 ZT	PNP 500 mA, 50 V resistor-equipped transistor; R1 = 1 kOhm, R2 = 10 kOhm	SOT23	TO-236AB	RFS						No					Bipolar Discretes

