



Product Change Notification **CN-202206017F**

Issue date: 27 Sep 2022
Effective date: 09 Jan 2023
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.



Introduction of Cu-wire for ESD protection diodes in SOT1176

Change Category

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

Details of this change

Implementation of 18um Cu-wire bonding for the products PUSB3FR4, PHDMI2FR4, PUSB3FA1, PUSB3FA3, PUSB3FR4/S600 and PUSB3FR4/S711 in SOT1176 package instead of 18um Au-wire bonding.

SQR_CN-202206017F.pdf: https://qcm.nexperia.com/Document/DOC-543826/SQR_CN-202206017F.pdf

Why do we implement this change?

Aligning with world technology standards, Nexperia continues to introduce copper wire for plastic SMD packages. Copper wire shows enhanced mechanical properties

Identification of affected products

The changed products can be identified by the date code and batch number on box & reel label.

Management summary

Introduction of Cu-wire for ESD protection diodes in SOT1176

Product availability

Production

Planned first shipment: 02 Jan 2023

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Products will be unchanged regarding fit, form and function.

Data sheet revision

No impact to existing datasheet

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 06 Nov 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
93466002471	PHDMI2FR4Z	PHDMI2FR4Z	PHDMI2FR4	ESD protection for ultra hi	SOT1176-1	XSON10	RFS	No	Bipolar Discretes
934660525471	PUSB3FA1Z	PUSB3FA1Z	PUSB3FA1	ESD protection for ultra hi	SOT1176-1	XSON10	RFS	No	Bipolar Discretes
934660525471	PUSB3FA1Z	PUSB3FA1Z	PUSB3FA1	ESD protection for ultra hi	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934665646471	PUSB3FA3Z	PUSB3FA3Z	PUSB3FA3	4-line ESD-Protection for L	SOT1176-1	XSON10	RFS	No	Bipolar Discretes
934665646471	PUSB3FA3Z	PUSB3FA3Z	PUSB3FA3	4-line ESD-Protection for L	SOT1176-2	XSON10	RFS	No	Bipolar Discretes
934068419471	PUSB3FR4Z	934068419471	PUSB3FR4	ESD protection for ultra hi	SOT1176-1	XSON10	RFS	No	Bipolar Discretes
934068419471	PUSB3FR4Z	934068419471	PUSB3FR4	ESD protection for ultra hi	SOT1176-2	XSON10	RFS	No	Bipolar Discretes