

## Final Product Change Notification

202103010F01

**Issue Date:** 28-May-2021

**Effective Date:** 26-Aug-2021

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.  
For More details Please Contact your respective Nexperia CSR/AM.



### Management Summary

Introduction of Cu wire and supply extension by release of 200mm wafer diameter to ESD protection devices in SOT23. Some products receive new die design and change of wafer backside metallization.

#### Change Category

<input checked="" type="checkbox"/> Wafer Fab Process	<input checked="" type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Location	<input checked="" type="checkbox"/> Design
<input checked="" 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

### Transfer of ESD protection devices in SOT23 to Cu-wire

#### Details of this Change

Scheduled changes affect ESD protection devices in SOT23. These include:

- bond wire material will be changed from gold (Au) to copper (Cu). Gold wire remains qualified for supply security reason
- for some products, 200mm wafers will be introduced in addition to currently released 150mm wafers
- for some products, new die design and back side metallization will be implemented

Qualifications were made according to:

- AEC-Q101, rev. D
- AEC-Q006, rev. A

Please use the below link(s) to access related documentation to this change notification:

[https://qcm.nexperia.com/change-notification-epcn/PCN\\_SQR\\_202103010F01\\_final\\_20210525.pdf](https://qcm.nexperia.com/change-notification-epcn/PCN_SQR_202103010F01_final_20210525.pdf)

#### Why do we Implement this Change

Nexperia continues to introduce copper bonding wire for plastic SMD packages to enhance mechanical properties and maintain latest wire bonding technology.

Release of 200mm wafer diameter material will help to safeguard supply chain.

#### Identification of Affected Products

Changed products can be identified by datecode after implementation

#### Product Availability

#### Sample Information

Samples are available upon request

## Production

Planned first shipment 26-Aug-2021

### Impact

no impact to the product's functionality anticipated.

### Disposition of Old Products

Existing inventory will be shipped until depleted

### Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 27-Jun-2021. 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.

In case of distribution, please contact your distribution partner.

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

### 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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<b>Changed Orderable Part#</b>	<b>Customer Part#</b>
PESD5V0L2BT,215	PESD5V0L2BT,215
PESD24VL2BT,215	PESD24VL2BT,215
PESD2CAN,215	PESD2CAN,215
PESD1CAN,215	PESD1CAN,215
PESD3V3L2BT,215	PESD3V3L2BT,215
PESD1FLEX,215	PESD1FLEX,215
PESD12VL2BT,215	PESD12VL2BT,215