



## Advance Product Change Notification

201603018A

**Issue Date:** 09-Apr-2016

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# QUALITY

### Change Category

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

## Release of 8 inch wafer diameter for bidirectional ESD protection diodes

### Details of this Planned Change

Release of production using 8 inch wafer diameter for bidirectional ESD protection diodes in SOD323 (SC-76), SOD523 (SC-79) and SOT23 packages. In addition the thickness of the top metallization of the affected protection diodes will be adapted.

Old products: Production using 6 inch wafer diameter, top side metallisation thickness 1.65µm

Changed products: Production using 6 and 8 inch wafer diameter, top side metallization thickness 1.75µm for 8 inch wafers

Production on 8 inch wafer diameter implies the use of the respective 8 inch wafer process technology.

#### Why do we Plan this Change

To increase flexibility and volume ramp-up.

#### Identification of Affected Products

The 8 inch products can be identified by a marker on the die surface.

### Product Availability

#### Sample Information

Samples are available upon request

Samples can be ordered now and will be shipped latest with FPCN issue date.

#### Production

Planned first shipment 15-Sep-2016

### Impact

No impact to the products' functionality anticipated.

#### Disposition of Old Products

Supply using 6 inch wafer will be continued.

## Timing and Logistics

The Self Qualification Report will be ready on 01-Jun-2016.

The Final PCN is planned to be issued on: 01-Jun-2016.

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 09-May-2016.

## Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

**Name** GA Customer Support

**e-mail address** DiscrQA.Helpdesk.GA-Products@nxp.com

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Customer Focus, Passion to Win.

NXP Quality Management Team.

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### Part#

PESD5V0S1BA,115

PESD5V0S1BA,115

PESD5V0S2BT,215

PESD5V0S1BB,115

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