



Final Product Change Notification

201606013F01

Issue Date: 23-Sep-2016

Effective Date: 05-Jan-2017

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



QUALITY

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 checked="" type="checkbox"/> Wafer Fab Materials	<input 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

Release of 8 inch wafer diameter for general purpose diodes

Details of this Change

Release of production using 8 inch wafer diameter for general purpose diodes in SOD323 (SC-76) and SOT23 packages. In addition a 2nd source epitaxy supplier will be introduced. The top metallization thickness of the affected diodes will be adapted.

Old products: Production using 6 inch wafer diameter, inhouse epitaxy, top side metallization thickness 1.4µm

Changed products: Production using 8 inch wafer diameter, inhouse epitaxy or external epitaxy supplier, top side metallization thickness 1.5µm

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

Why do we Implement 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

Latest sample request date for PCN samples is 23-Oct-2016.

Production

Planned first shipment 09-Jan-2017

Impact

No impact to the products' functionality anticipated.

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 23-Oct-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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NXP Semiconductors

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
BAS21,215	933502040215	BAS21	Switching diode	SOT23	TO-236AB	RFS	BL GA DISCRETES
BAV23C,215	934061767215	BAV23C	Switching Diode	SOT23	TO-236AB	RFS	BL GA DISCRETES
BAS19,215	933502020215	BAS19	Switching diode	SOT23	TO-236AB	RFS	BL GA DISCRETES
BAS321,115	934055352115	BAS321	Switching diode	SOD323	SOD2	RFS	BL GA DISCRETES
BAS21,235	933502040235	BAS21	Switching diode	SOT23	TO-236AB	RFS	BL GA DISCRETES
BAV23A,215	934061766215	BAV23A	Switching Diode	SOT23	TO-236AB	RFS	BL GA DISCRETES
BAV23S,215	933947770215	BAV23S	Switching diode	SOT23	TO-236AB	RFS	BL GA DISCRETES
BAS20,215	933502030215	BAS20	Switching diode	SOT23	TO-236AB	RFS	BL GA DISCRETES