

Final Product Change Notification

201811010F01

Issue Date: 05-Apr-2019
Effective Date: 19-Jul-2019

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



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 PESD5V0xxBxx bidirectional ESD protection diodes

Details of this Change

Release of production using 8 inch wafer diameter for bidirectional ESD protection diodes. In addition the thickness of the top metallization of the affected protection diodes will be adapted for standardization reasons. Please refer to the Self Qualification Report for details and list of affected product types.

Old products: Production using 6 inch wafer diameter, top side metallization thickness 1.65µm
 Changed products: Production using 6 and 8 inch wafer diameter, top side metallization thickness 1.65µm (for 6 inch wafer) and 1.75µm (for 8 inch wafer)

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.

Changed products can be identified by date code after implementation.

Product Availability

Sample Information

Samples are available upon request

Latest sample request date for PCN samples is 05-May-2019.

Production

Planned first shipment 01-Aug-2019

Impact

No impact to the products' functionality anticipated.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Supply using 6 inch wafer will be continued in parallel to 8 inch wafer production.

Related Notifications

Notification	Issue Date	Effective Date	Title
201605002F01	22-May-2016	03-Sep-2016	Release of 8 inch wafer diameter for bidirectional ESD protection diodes in SOD882(D)
201603018F01	13-Jun-2016	25-Sep-2016	Release of 8 inch wafer diameter for bidirectional ESD protection diodes
201807003F01U0103	103-Oct-2018	1803-Dec-2018	Release of 8 inch wafer diameter for PESD5V0V2BM

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 05-May-2019. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Contact and Support

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

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:

e-mail address PCN-Bipolar.Discretetes@nexperia.com

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

<<<<<<< PCN2.html

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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Nexperia B.V.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
"PESD5V0U2BT,215"	934060856215	PESD5V0U2BT	Protection diode	SOT23	TO-236AB	RFS	Bipolar Discretes
"PESD5V0V1BA,115"	934063244115	PESD5V0V1BA	Protection Diode	SOD323	SOD2	RFS	Bipolar Discretes
"PESD5V0U1BB,115"	934060855115	PESD5V0U1BB	Protection diode	SOD523	SC-79	RFS	Bipolar Discretes
"PESD5V0U1BL,315"	934060853315	PESD5V0U1BL	Protection diode	SOD882	SOD2	RFS	Bipolar Discretes
PESD5V0V2BMBYL	934069289315	PESD5V0V2BMB	Protection Diode	SOT883B	XQFN3	RFS	Bipolar Discretes
"PESD5V0U5BF,115"	934061967115	PESD5V0U5BF	PROTECTION DIODE	SOT886	XSON6	RFS	Bipolar Discretes
"PESD5V0U1BA,115"	934060854115	PESD5V0U1BA	Protection diode	SOD323	SOD2	RFS	Bipolar Discretes
"PESD5V0V1BB,115"	934063245115	PESD5V0V1BB	Protection Diode	SOD523	SC-79	RFS	Bipolar Discretes