

**Final Product Change Notification**

201712005F01

**Issue Date:** 30-Apr-2018  
**Effective Date:** 29-Jul-2018

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 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 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 |

Change of lead frame version in SOT323 package

**Details of this Change**

Introduce R1 lead frame with optimized die pad size for SOT323 package. Change lead frame middle pad width to cater small die size ( $\leq 0.40$  mm):

Old products : Q1: 0.73mm  
 New products: R1: 0.48mm

**Why do we Implement this Change**

This change will reduce the probability of sagging wire issue, for quality improvement reasons.

**Identification of Affected Products**

Changed products can be identified by inner lead frame design/dimensions.

**Product Availability**

**Sample Information**

Samples are available upon request

Latest sample request date for PCN samples is 30-May-2018.

### Production

Planned first shipment 14-Aug-2018

### Impact

No impact to the products' functionality anticipated.

### Data Sheet Revision

No impact to existing datasheet

### 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 30-May-2018. 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** DiscrQA.Helpdesk.GA-Products@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.

### About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 70 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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#### Affected Part Numbers

BC847W,115	BC847CW,115	BC858W,115	BAV70W,115	BAT54CW,115	PDTC123EU,115
BC846AW,115	BC856AW,115	BC846W,115	BAW56W,115	BAT54SW,115	PDTC124XU,115
BC846BW,115	BC856BW,115	BC850BW,115	BAW56W,135	PMST2222A,115	PDTC143TU,115
BC846BW,135	BC856BW,135	BC848W,115	PMSS3904,115	PDTC114TU,115	PDTC123YU,115
BC856W,115	BC857AW,115	BC849CW,115	PMST4403,115	1PS70SB14,115	PESD5V0L2UU,115
BC847AW,115	BC857BW,115	BC850CW,115	PMST3904,115	BFS20W,115	PESD6V0L2UU,115
BC847BW,115	BC857BW,135	BAS16W,115	PMST5089,115	1PS70SB82,115	BAS21W,115
BC847BW,135	BC857CW,115	BC860CW,115	BAT54W,115	PDTA143TU,115	NUP1301U,115