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DATE: April 7, 2021

PCN #: 2498

PCN Title: Qualification of Additional Wafer Source, and Additional Assembly and Test (A/T) Site for Select Discrete Products

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request immediately. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



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**PRODUCT CHANGE NOTICE****PCN-2498 REV 1**

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Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
April 7, 2021	July 7, 2021	Discrete	Additional Wafer Source, Additional A/T site, Green Mold Compound	<b>2498</b>
TITLE				
Qualification of Additional Wafer Source, and Additional Assembly and Test (A/T) Site for Select Discrete Products				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes Incorporated has qualified Diodes internal BCD (Shanghai) Micro-Electronics Limited (SFAB2) in Shanghai China as an additional wafer source, and Diodes internal CAT (Chengdu Assembly &amp; Test) as an additional A/T site using PdCu bond wire for select part numbers listed in below tables. In addition, for select products mold compound will be changed from non-green to green (indicated by “**”).</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure no change to device functionality or electrical specifications in the datasheet. Refer to the attached qualification report embedded in this file (to view, download this PCN file then open it with a PDF viewer to see the attached qual report).</p>				
IMPACT				
Continuity of Supply. There will be no change to the Form, Fit or Function of products affected, unless specifically indicated, i.e. some packages will have top marking changes as outlined in Table 3 below. No change in datasheet parameters and product performance.				
PRODUCTS AFFECTED				
Table 1 - Affected Part List to add SFAB2 as additional wafer source Table 2 - Affected Part List to add SFAB2 as additional wafer source and CAT as additional A/T site using PdCu bond wire Table 3 - Part marking format change for affected packages				
WEB LINKS				
<b>Manufacturer’s Notice:</b>	<a href="https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/">https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/</a>			
<b>For More Information Contact:</b>	<a href="http://www.diodes.com/contacts.html">http://www.diodes.com/contacts.html</a>			
<b>Data Sheet:</b>	<a href="http://www.diodes.com/catalog">http://www.diodes.com/catalog</a>			
DISCLAIMER				
<b>Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</b>				

**Table 1 - Affected Part List to add SFAB2 as additional wafer source**

2N7002-7-F-31	SBR0240LP-7	SBR10U60CT	SBR20A120CT	SBR30A100CTB-13-G	SBR40U100CT-G
2N7002E-7-F-31	SBR02M30LP-7	SBR12A45SP5-13	SBR20A120CT-G	SBR30A100CTE	SBR40U120CT
2N7002K-7-F-31	SBR02U100LP-7	SBR12E45LH1-13	SBR20A40CT	SBR30A100CTE-G	SBR40U120CTE
BSS138-7-F-31	SBR02U100LP-7B	SBR12M120P5-13	SBR20A40CT-G	SBR30A100CT-G	SBR40U120CT-G
BSS138-7-F-79	SBR02U30LP-7	SBR12U100P5-13	SBR20A45CT	SBR30A120CT	SBR40U45CT
BSS138DW-7-F-79	SBR0560S1-7	SBR12U120P5-13D	SBR20A45CT-G	SBR30A120CT-G	SBR40U45CT-G
BSS138W-7-F-79	SBR05M100BLP-7	SBR12U45LH1-13	SBR20A45D1-13	SBR30A40CT	SBR40U60CT
DMC21D1UDA-7B	SBR05M60BLP-7	SBR12U45LH1-13R	SBR20A60CT	SBR30A40CT-G	SBR40U60CTE
DMC31D5UDJ-7	SBR05U20LP-7	SBR130S3-7	SBR20A60CTB	SBR30A45CT	SBR40U60CT-G
DMC31D5UDJ-7B	SBR05U20LPS-7	SBR130SV-7	SBR20A60CTB-13	SBR30A45CTB	SBR545D1-13
DMC4050SSD-13	SBR07U20LPS-7	SBR140LP-7	SBR20A60CTB-13-G	SBR30A45CTB-13	SBR5E45P5-13
DMG1024UV-7	SBR10100CT	SBR15A30SP5-13	SBR20A60CT-G	SBR30A45CTB-13-G	SBR5E45P5-7
DMN21D1UDA-7B	SBR10100CTB	SBR15U100CTL-13	SBR20B100CT	SBR30A45CT-G	SBR5E60P5-13
DMN2990UFO-7B	SBR10100CTB-13	SBR15U30SP5-13	SBR20E100CT	SBR30A50CT	SBR5E60P5-13D
DMN31D5UDJ-7	SBR10100CT-G	SBR15U50SP5-13	SBR20E120CT	SBR30A60CT	SBR5E60P5-7
DMN31D5UFZ-7B	SBR10100CTL-13	SBR160S23-7	SBR20M45D1-13	SBR30A60CTB	SBR5E60P5-7D
DMN63D1LDW-7	SBR10120CTL-13	SBR1A40S1-7	SBR20U100CT	SBR30A60CTB-13	SBR60A100CT*
DMN65D8LFB-7	SBR1040CT	SBR1A40S3-7	SBR20U100CTE-G	SBR30A60CT-G	SBR60A45CT
DMN65D8LFB-7B	SBR1040CTB	SBR1A40S3-7-G	SBR20U100CT-G	SBR30E100CT	SBR60A60CT
DMN66D0LT-7	SBR1040CTB-13	SBR1U40LP-7	SBR20U40CT	SBR30E45CT	SBR60A60CT-G
DMNH10H020SPS-13	SBR1045CTL-13	SBR20100CT	SBR20U40CT-G	SBR30E45CTB	SBR6100CTL-13
DMP21D0UFD-7	SBR1045D1-13	SBR20100CTB-13	SBR20U50SLP-13	SBR30E45CTB-13	SBR660CTL-13
DMP22D4UDA-7B	SBR1045SP5-13	SBR20100CTE	SBR20U60CT	SBR30M100CT*	SBR8A45SP5-13
DMP22D4UFO-7B	SBR1045SP5-13D	SBR20100CTE-G	SBR20U60CT-G	SBR30U30CT	SBR8A60P5-13
DMP32D9UFZ-7B	SBR1045SP5-7D	SBR20100CT-G	SBR2A40BLP-13	SBR3U100LP-7	SBR8B60P5-13
DMP4011SK3-13	SBR1060CT	SBR2040CT	SBR30100CT*	SBR3U60P5-13	SBR8E45P5-7
DMP4011SPS-13	SBR10A45SP5-13	SBR2045CT	SBR3045CT	SBR3U60P5-7	SBR8E60P5-13
DMP4025LK3-13	SBR10B45P5-13	SBR2045CT-G	SBR3045CTB-13	SBR40100CT*	SBR8E60P5-7
DMP4025LSD-13	SBR10B45P5-13D	SBR2060CT	SBR3045CT-G	SBR40100CT-G	SBR8E60P5-7D
DMP4025LSS-13	SBR10B45P5-7	SBR2065D1-13	SBR3045SCTB-13-G	SBR4040CT	SBR8M100P5-13
DMP4025SFG-13	SBR10B45P5-7D	SBR20A100CT	SBR3060CT	SBR4045CT	SBR8M100P5-13D
DMP4025SFG-7	SBR10U100CT	SBR20A100CTB	SBR3060CTB-13	SBR4060CT	SBR8U20SP5-13
SBR0220LP-7	SBR10U100CT-G	SBR20A100CTB-13	SBR30A100CT	SBR40S45CT	SBR8U60P5-13
SBR0220T5-7	SBR10U40CT	SBR20A100CTE	SBR30A100CTB	SBR40U100CT	SBR8U60P5-13D
SBR0230T5-7	SBR10U45D1-13	SBR20A100CT-G	SBR30A100CTB-13	SBR40U100CTE	SBR8U60P5-7

Note: "\*" change from non-green to green mold compound

**Table 2 - Affected Part List to add SFAB2 as additional wafer source and CAT as additional A/T site using PdCu bond wire**

2N7002E-7-G	BSS8402DW-7-G	DMN5010VAK-7	DMN5L06VAK-7	DMN5L06VK-7	DMN5L06VK-7A
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**Table 3 – Part Marking Format Change**

**SOT-23**

<b>SAT (Diodes Internal AT site Shanghai, China)</b>	<b>CAT (Diodes Internal AT Site Chengdu, China)</b> Add “-” on Y for CAT site
Marking format example	Marking format example

**SOT-563**

<b>SAT (Diodes Internal AT site Shanghai, China)</b>	<b>CAT (Diodes Internal AT Site Chengdu, China)</b> Add “-” on Y for CAT site
Marking format example	Marking format example
<p>ABC = Product Type Marking Code          YM = Date Code Marking          Y or <math>\bar{Y}</math> = Year (Ex: G = 2019)          M = Month (ex: 9 = September)</p>	<p>ABC = Product Type Marking Code          YM = Date Code Marking          Y or <math>\bar{Y}</math> = Year (Ex: G = 2019)          M = Month (ex: 9 = September)</p>

**SOT-363**

<b>SAT (Diodes Internal AT site Shanghai, China)</b>	<b>CAT (Diodes Internal AT Site Chengdu, China)</b> Add “-” on Y for CAT site
Marking format example	Marking format example

**SOP-8L**

<b>SAT (Diodes Internal AT site Shanghai, China)</b>	<b>CAT (Diodes Internal AT Site Chengdu, China)</b> Add “-” on YY for CAT site
Marking format example	Marking format example