



DATE: 5 October, 2021

PCN #: 2545

PCN Title: Phenitec Wafer Manufacturing Site Change and Additional Wafer Source on Select Automotive 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-2545 REV 1**

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<b>Notification Date:</b>	<b>Implementation Date:</b>	<b>Product Family:</b>	<b>Change Type:</b>	<b>PCN #:</b>
5 October, 2021	5 January, 2022	Discrete - Automotive	Wafer Site Transfer, Additional Wafer Source	<b>2545</b>
<b>TITLE</b>				
Phenitec Wafer Manufacturing Site Change and Additional Wafer Source on Select Automotive Products				
<b>DESCRIPTION OF CHANGE</b>				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes' foundry Phenitec Semiconductor Corporation will transfer wafer manufacturing from Headquarter 'HQ Fab' to '1st Fab', and Diodes Incorporated has also qualified Diodes internal JK FAB in HsinChu, Taiwan as an additional wafer source for select automotive part numbers listed in below tables.</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> <p>There will be no change to the Form, Fit, or Function of affected products.</p>				
<b>IMPACT</b>				
No change in datasheet parameters				
<b>PRODUCTS AFFECTED</b>				
Table 1 – Manufacturing site transfer from Phenitec's 'HQ Fab' to '1st Fab' Table 2 – Add Diodes internal JK FAB in HsinChu, Taiwan as an additional wafer source				
<b>WEB LINKS</b>				
<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="https://www.diodes.com/about/contact-us/contact-sales/">https://www.diodes.com/about/contact-us/contact-sales/</a>			
<b>Data Sheet:</b>	<a href="https://www.diodes.com/catalog/">https://www.diodes.com/catalog/</a>			
<b>DISCLAIMER</b>				
<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 - Manufacturing site transfer from Phenitec's 'HQ Fab' to '1st Fab'**

BAS20DWQ-13**	BAS21TMQ-13***	BAV20WQ-7-F**	BAV23AQ-13-F**	BAV23SQ-13-F**	MMBD2004SQ-7-F**
BAS20Q-13-F**	BAS21TWQ-7*	BAV21HWFQ-7*	BAV23AQ-7-F**	BAV23SQ-7-F**	MMBD3004CQ-7-F**
BAS21DWAQ-7***	BAS21WQ-7-F**	BAV21WQ-7-F**	BAV23CQ-13-F**	BAV3004WQ-7-F**	MMBD3004SQ-13-F**
BAS21Q-13-F**	BAS521Q-13**	BAV21WSQ-7-F**	BAV23CQ-7-F**	BAW101Q-7*	MMBD3004SQ-7-F
BAS21Q-7-F**					

Notes: "\*\*" change from Cu wire to Au wire  
 "\*\*\*" change mold compound type  
 "\*\*\*\*" change from Cu wire to Au wire and change mold compound type

**Table 2 – Add Diodes internal JKFAB in HsinChu, Taiwan as an additional wafer source**

AZ23C27Q-7-F	BZT52C12TQ-7-F	BZT52C2V4Q-7-F	BZT52C5V6TQ-7-F	BZX84C18Q-7-F	BZX84C6V8Q-7-F
AZ23C5V1Q-7-F	BZT52C13Q-7-F	BZT52C2V4TQ-7-F	BZT52C6V2Q-7-F	BZX84C20Q-13-F	BZX84C7V5Q-13-F
AZ23C5V6Q-7-F	BZT52C13SQ-7-F	BZT52C2V7Q-7-F	BZT52C6V2SQ-7-F	BZX84C20Q-7-F	BZX84C7V5Q-7-F
BAS116Q-13-F	BZT52C13TQ-7-F	BZT52C2V7SQ-7-F	BZT52C6V2TQ-13-F	BZX84C22Q-13-F	BZX84C8V2Q-13-F
BAS116Q-7-F	BZT52C15Q-7-F	BZT52C3V0Q-7-F	BZT52C6V8Q-7-F	BZX84C22Q-7-F	BZX84C8V2Q-7-F
BAV116HWFQ-7	BZT52C15SQ-7-F	BZT52C3V0SQ-7-F	BZT52C6V8SQ-7-F	BZX84C24Q-7-F	BZX84C9V1Q-13-F
BAV116WSQ-7	BZT52C15TQ-7-F	BZT52C3V0TQ-7-F	BZT52C6V8TQ-7-F	BZX84C27Q-13-F	BZX84C9V1Q-7-F
BAV170Q-13-F	BZT52C16Q-7-F	BZT52C3V3Q-7-F	BZT52C7V5Q-7-F	BZX84C27Q-7-F	DDZ10CQ-7
BAV170Q-7-F	BZT52C16SQ-7-F	BZT52C3V3SQ-7-F	BZT52C7V5SQ-7-F	BZX84C2V4Q-13-F	DDZ12BQ-7
BAV199DWQ-7-F	BZT52C16TQ-7-F	BZT52C3V3TQ-7-F	BZT52C7V5TQ-7-F	BZX84C2V4Q-7-F	DDZ12CQ-7
BAV199Q-13-F	BZT52C18Q-7-F	BZT52C3V6Q-7-F	BZT52C8V2Q-7-F	BZX84C2V7Q-7-F	DDZ15Q-7
BAV199Q-7-F	BZT52C18SQ-7-F	BZT52C3V6SQ-7-F	BZT52C8V2SQ-7-F	BZX84C3V0Q-7-F	DDZ16BQ-7
BAV199TQ-7-F	BZT52C18TQ-7-F	BZT52C3V6TQ-7-F	BZT52C8V2TQ-7-F	BZX84C3V3Q-7-F	DDZ16Q-7
BAV199WQ-7	BZT52C20Q-7-F	BZT52C3V9Q-7-F	BZT52C9V1Q-7-F	BZX84C3V6Q-13-F	DDZ17Q-7
BAW156Q-13-F	BZT52C20SQ-7-F	BZT52C3V9SQ-7-F	BZT52C9V1SQ-7-F	BZX84C3V6Q-7-F	DDZ18CQ-7
BAW156Q-7-F	BZT52C20TQ-7-F	BZT52C4V3Q-7-F	BZT52C9V1TQ-7-F	BZX84C3V9Q-7-F	DDZ20CQ-7
BAW156TQ-7-F	BZT52C22Q-7-F	BZT52C4V3SQ-7-F	BZX84C10Q-13-F	BZX84C4V3Q-7-F	DDZ5V1BQ-7
BZT52C10Q-7-F	BZT52C22TQ-7-F	BZT52C4V3TQ-7-F	BZX84C10Q-7-F	BZX84C4V7Q-13-F	DDZ5V6BQ-7
BZT52C10SQ-7-F	BZT52C24Q-7-F	BZT52C4V7Q-7-F	BZX84C12Q-13-F	BZX84C4V7Q-7-F	DDZ6V2BQ-7
BZT52C10TQ-7-F	BZT52C24SQ-7-F	BZT52C4V7SQ-7-F	BZX84C12Q-7-F	BZX84C5V1Q-13-F	DDZ6V8BQ-7
BZT52C11Q-7-F	BZT52C24TQ-7-F	BZT52C4V7TQ-7-F	BZX84C13Q-7-F	BZX84C5V1Q-7-F	DDZ8V2CQ-7
BZT52C11SQ-7-F	BZT52C27Q-7-F	BZT52C5V1Q-7-F	BZX84C15Q-13-F	BZX84C5V6Q-13-F	DDZ9681Q-7
BZT52C11TQ-7-F	BZT52C27SQ-7-F	BZT52C5V1SQ-7-F	BZX84C15Q-7-F	BZX84C5V6Q-7-F	DDZ9683Q-7
BZT52C12Q-13-F	BZT52C2V0Q-7-F	BZT52C5V1TQ-7-F	BZX84C16Q-13-F	BZX84C6V2Q-13-F	DDZ9684Q-7
BZT52C12Q-7-F	BZT52C2V0SQ-7-F	BZT52C5V6Q-7-F	BZX84C16Q-7-F	BZX84C6V2Q-7-F	DDZ9685Q-7
BZT52C12SQ-7-F	BZT52C2V0TQ-7-F	BZT52C5V6SQ-7-F	BZX84C18Q-13-F	BZX84C6V8Q-13-F	DDZ9686Q-7

**Table 2 Cont. – Add Diodes internal JKFAB in HsinChu, Taiwan as an additional wafer source**

DDZ9688Q-7	DDZ9702Q-7	MMBZ5244BQ-7-F	MMSZ5230BQ-7-F	MMSZ5239BQ-7-F	MMSZ5248BQ-13-F
DDZ9689Q-7	DDZ9703Q-7	MMBZ5245BQ-7-F	MMSZ5231BQ-7-F	MMSZ5240BQ-13-F	MMSZ5248BQ-7-F
DDZ9690Q-7	DDZ9705Q-7	MMBZ5245BWQ-7-F	MMSZ5232BQ-13-F	MMSZ5240BQ-7-F	MMSZ5250BQ-7-F
DDZ9691Q-13	DDZ9709Q-7	MMBZ5248BQ-7-F	MMSZ5232BQ-7-F	MMSZ5241BQ-7-F	MMSZ5251BQ-13-F
DDZ9691Q-7	DDZX12CQ-7	MMSZ5223BQ-13-F	MMSZ5233BQ-7-F	MMSZ5242BQ-13-F	MMSZ5252BQ-7-F
DDZ9692TQ-7	DDZX5V1BQ-7	MMSZ5223BQ-7-F	MMSZ5234BQ-7-F	MMSZ5242BQ-7-F	MMSZ5254BQ-13-F
DDZ9693Q-7	DZ23C15Q-7-F	MMSZ5226BQ-7-F	MMSZ5235BQ-7-F	MMSZ5243BQ-7-F	MMSZ5254BQ-7-F
DDZ9696Q-7	MMBZ5231BQ-7-F	MMSZ5227BQ-7-F	MMSZ5236BQ-7-F	MMSZ5245BQ-13-F	UDZ9V1BQ-13
DDZ9699Q-7	MMBZ5232BQ-7-F	MMSZ5228BQ-7-F	MMSZ5237BQ-13-F	MMSZ5245BQ-7-F	
DDZ9700Q-7	MMBZ5237BQ-7-F	MMSZ5229BQ-7-F	MMSZ5237BQ-7-F	MMSZ5246BQ-13-F	
DDZ9701Q-7	MMBZ5242BQ-7-F	MMSZ5230BQ-13-F	MMSZ5238BQ-7-F	MMSZ5246BQ-7-F	