



DATE: 4 October, 2021

PCN #: 2524

PCN Title: Wafer Diameter Change from 4 inch to 5 inch at Yea Shin Technology Co., Ltd. (Yeashin Fab) and Qualification of Yea Shin Technology Co., Ltd. as Additional Wafer Source on Select 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-2524 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>
4 October, 2021	4 January, 2022	Discrete	Wafer Fab Material	<b>2524</b>
<b>TITLE</b>				
Wafer Diameter Change from 4 inch to 5 inch at Yea Shin Technology Co., Ltd. (Yeashin Fab) and Qualification of Yea Shin Technology Co., Ltd. as Additional Wafer Source on Select Products				
<b>DESCRIPTION OF CHANGE</b>				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Yea Shin Technology Co., Ltd. in Taiwan (Yeashin Fab), as Diodes external wafer Fabrication source has qualified 5 inch diameter wafers replacing 4 inch diameter wafers for select part numbers listed in below tables. In conjunction with the wafer diameter change, the wafer thickness will be changed on select part numbers to standardize manufacturing processes and enhance manufacturability.</p> <p>In addition, Diodes Incorporated has qualified 5 inch diameter wafer at Yea Shin Technology Co., Ltd. in Taiwan (Yeashin Fab) as an additional wafer source for SMAT70A-13-F.</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 - Affected Part List to change wafer diameter at Yeashin Fab Table 2 – Affected Part List to change wafer diameter and wafer thickness at Yeashin Fab Table 3 - Affected Part List to add Yeashin Fab 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 - Affected part list to change wafer diameter at Yeashin Fab**

1SMB5925B-13	1SMB5943B-13	3.0SMCJ160A-13	3.0SMCJ78CA-13	P4SMAJ6.0ADF-13	P6SMAJ64ADF-13
1SMB5926B-13	1SMB5944B-13	3.0SMCJ18CA-13	P4SMAJ10ADF-13	P4SMAJ60ADF-13	P6SMAJ70ADF-13
1SMB5927B-13	1SMB5945B-13	3.0SMCJ20A-13	P4SMAJ12ADF-13	P4SMAJ7.5ADF-13	P6SMAJ75ADF-13
1SMB5928B-13	1SMB5946B-13	3.0SMCJ22A-13	P4SMAJ13ADF-13	P4SMAJ70ADF-13	P6SMAJ78ADF-13
1SMB5929B-13	1SMB5947B-13	3.0SMCJ24A-13	P4SMAJ15ADF-13	P4SMAJ75ADF-13	P6SMAJ85ADF-13
1SMB5930B-13	1SMB5948B-13	3.0SMCJ24CA-13	P4SMAJ18ADF-13	P4SMAJ78ADF-13	SMAZ10-13-F
1SMB5931B-13	1SMB5949B-13	3.0SMCJ26A-13	P4SMAJ20ADF-13	P4SMAJ85ADF-13	SMAZ12-13-F
1SMB5932B-13	1SMB5950B-13	3.0SMCJ26CA-13	P4SMAJ22ADF-13	P4SMAJ9.0ADF-13	SMAZ15-13-F
1SMB5933B-13	1SMB5951B-13	3.0SMCJ28A-13	P4SMAJ24ADF-13	P6SMAJ12ADF-13	SMAZ16-13-F
1SMB5934B-13	1SMB5952B-13	3.0SMCJ30A-13	P4SMAJ26ADF-13	P6SMAJ20ADF-13	SMAZ18-13-F
1SMB5935B-13	1SMB5953B-13	3.0SMCJ33CA-13	P4SMAJ30ADF-13	P6SMAJ22ADF-13	SMAZ20-13-F
1SMB5936B-13	1SMB5954B-13	3.0SMCJ36CA-13	P4SMAJ33ADF-13	P6SMAJ28ADF-13	SMAZ22-13-F
1SMB5937B-13	1SMB5955B-13	3.0SMCJ48A-13	P4SMAJ36ADF-13	P6SMAJ30ADF-13	SMAZ24-13-F
1SMB5938B-13	1SMB5956B-13	3.0SMCJ5.0A-13	P4SMAJ40ADF-13	P6SMAJ48ADF-13	SMAZ27-13-F
1SMB5939B-13	3.0SMCJ13CA-13	3.0SMCJ54A-13	P4SMAJ43ADF-13	P6SMAJ54ADF-13	SMAZ30-13-F
1SMB5940B-13	3.0SMCJ14A-13	3.0SMCJ58A-13	P4SMAJ45ADF-13	P6SMAJ58ADF-13	SMAZ33-13-F
1SMB5941B-13	3.0SMCJ14CA-13	3.0SMCJ60A-13	P4SMAJ48ADF-13	P6SMAJ6.0ADF-13	SMAZ36-13-F
1SMB5942B-13	3.0SMCJ15CA-13	3.0SMCJ70CA-13	P4SMAJ5.0ADF-13	P6SMAJ60ADF-13	SMAZ39-13-F

**Table 2 – Affected part list to change wafer diameter and wafer thickness at Yeashin Fab**

SMAJ100A-13-F	SMAJ14A-13-F	SMAJ200A-13-F	SMAJ36A-13-F	SMAJ58A-13-F	SMAJ75A-13-F
SMAJ100CA-13-F	SMAJ14CA-13-F	SMAJ200CA-13-F	SMAJ36CA-13-F	SMAJ58CA-13-F	SMAJ75CA-13-F
SMAJ10A-13-F	SMAJ150A-13-F	SMAJ20A-13-F	SMAJ40A-13-F	SMAJ6.0A-13-F	SMAJ78A-13-F
SMAJ10CA-13-F	SMAJ150CA-13-F	SMAJ20CA-13-F	SMAJ40CA-13-F	SMAJ6.0CA-13-F	SMAJ78CA-13-F
SMAJ110A-13-F	SMAJ15A-13-F	SMAJ22A-13-F	SMAJ43A-13-F	SMAJ6.5A-13-F	SMAJ8.0A-13-F
SMAJ110CA-13-F	SMAJ15CA-13-F	SMAJ22CA-13-F	SMAJ43CA-13-F	SMAJ6.5CA-13-F	SMAJ8.0CA-13-F
SMAJ11A-13-F	SMAJ160A-13-F	SMAJ24A-13-F	SMAJ45A-13-F	SMAJ60A-13-F	SMAJ8.5A-13-F
SMAJ11CA-13-F	SMAJ160CA-13-F	SMAJ24CA-13-F	SMAJ45CA-13-F	SMAJ60CA-13-F	SMAJ8.5CA-13-F
SMAJ120A-13-F	SMAJ16A-13-F	SMAJ26A-13-F	SMAJ48A-13-F	SMAJ64A-13-F	SMAJ85A-13-F
SMAJ120CA-13-F	SMAJ16CA-13-F	SMAJ26CA-13-F	SMAJ48CA-13-F	SMAJ64CA-13-F	SMAJ85CA-13-F
SMAJ12A-13-F	SMAJ170A-13-F	SMAJ28A-13-F	SMAJ5.0A-13-F	SMAJ7.0A-13-F	SMAJ9.0A-13-F
SMAJ12CA-13-F	SMAJ170CA-13-F	SMAJ28CA-13-F	SMAJ5.0CA-13-F	SMAJ7.0CA-13-F	SMAJ9.0CA-13-F
SMAJ130A-13-F	SMAJ17A-13-F	SMAJ30A-13-F	SMAJ51A-13-F	SMAJ7.5A-13-F	SMAJ90A-13-F
SMAJ130CA-13-F	SMAJ17CA-13-F	SMAJ30CA-13-F	SMAJ51CA-13-F	SMAJ7.5CA-13-F	SMAJ90CA-13-F
SMAJ13A-13-F	SMAJ18A-13-F	SMAJ33A-13-F	SMAJ54A-13-F	SMAJ70A-13-F	SMBJ100A-13-F
SMAJ13CA-13-F	SMAJ18CA-13-F	SMAJ33CA-13-F	SMAJ54CA-13-F	SMAJ70CA-13-F	SMBJ100CA-13-F

**Table 2 Cont. – Affected part list to change wafer diameter and wafer thickness at Yeashin Fab**

SMBJ10A-13-F	SMBJ200A-13-F	SMBJ58A-13-F	SMCJ100A-13-F	SMCJ18CA-13-F	SMCJ58A-13-F
SMBJ10CA-13-F	SMBJ20A-13-F	SMBJ58CA-13-F	SMCJ100CA-13-F	SMCJ20A-13-F	SMCJ58CA-13-F
SMBJ110A-13-F	SMBJ20CA-13-F	SMBJ6.0A-13-F	SMCJ10A-13-F	SMCJ20CA-13-F	SMCJ6.0A-13-F
SMBJ110CA-13-F	SMBJ22A-13-F	SMBJ6.0CA-13-F	SMCJ10CA-13-F	SMCJ22A-13-F	SMCJ6.0CA-13-F
SMBJ11A-13-F	SMBJ22CA-13-F	SMBJ6.5A-13-F	SMCJ110A-13-F	SMCJ22CA-13-F	SMCJ6.5A-13-F
SMBJ11CA-13-F	SMBJ24A-13-F	SMBJ6.5CA-13-F	SMCJ110CA-13-F	SMCJ24A-13-F	SMCJ6.5CA-13-F
SMBJ120A-13-F	SMBJ24CA-13-F	SMBJ60A-13-F	SMCJ11A-13-F	SMCJ24CA-13-F	SMCJ60A-13-F
SMBJ120CA-13-F	SMBJ26A-13-F	SMBJ60CA-13-F	SMCJ11CA-13-F	SMCJ26A-13-F	SMCJ60CA-13-F
SMBJ12A-13-F	SMBJ26CA-13-F	SMBJ64A-13-F	SMCJ120A-13-F	SMCJ26CA-13-F	SMCJ64A-13-F
SMBJ12CA-13-F	SMBJ28A-13-F	SMBJ64CA-13-F	SMCJ120CA-13-F	SMCJ28A-13-F	SMCJ64CA-13-F
SMBJ130A-13-F	SMBJ28CA-13-F	SMBJ7.0A-13-F	SMCJ12A-13-F	SMCJ28CA-13-F	SMCJ7.0A-13-F
SMBJ130CA-13-F	SMBJ30A-13-F	SMBJ7.0CA-13-F	SMCJ12CA-13-F	SMCJ30A-13-F	SMCJ7.0CA-13-F
SMBJ13A-13-F	SMBJ30CA-13-F	SMBJ7.5A-13-F	SMCJ130A-13-F	SMCJ30CA-13-F	SMCJ7.5A-13-F
SMBJ13CA-13-F	SMBJ33A-13-F	SMBJ7.5CA-13-F	SMCJ130CA-13-F	SMCJ33A-13-F	SMCJ7.5CA-13-F
SMBJ14A-13-F	SMBJ33CA-13-F	SMBJ70A-13-F	SMCJ13A-13-F	SMCJ33CA-13-F	SMCJ70A-13-F
SMBJ14CA-13-F	SMBJ36A-13-F	SMBJ70CA-13-F	SMCJ13CA-13-F	SMCJ36A-13-F	SMCJ70CA-13-F
SMBJ150A-13-F	SMBJ36CA-13-F	SMBJ75A-13-F	SMCJ14A-13-F	SMCJ36CA-13-F	SMCJ75A-13-F
SMBJ150CA-13-F	SMBJ40A-13-F	SMBJ75CA-13-F	SMCJ14CA-13-F	SMCJ40A-13-F	SMCJ75CA-13-F
SMBJ15A-13-F	SMBJ40CA-13-F	SMBJ78A-13-F	SMCJ150A-13-F	SMCJ40CA-13-F	SMCJ78A-13-F
SMBJ15CA-13-F	SMBJ43A-13-F	SMBJ78CA-13-F	SMCJ150CA-13-F	SMCJ43A-13-F	SMCJ78CA-13-F
SMBJ160A-13-F	SMBJ43CA-13-F	SMBJ8.0A-13-F	SMCJ15A-13-F	SMCJ43CA-13-F	SMCJ8.0A-13-F
SMBJ160CA-13-F	SMBJ45A-13-F	SMBJ8.0CA-13-F	SMCJ15CA-13-F	SMCJ45A-13-F	SMCJ8.0CA-13-F
SMBJ16A-13-F	SMBJ45CA-13-F	SMBJ8.5A-13-F	SMCJ160A-13-F	SMCJ45CA-13-F	SMCJ8.5CA-13-F
SMBJ16CA-13-F	SMBJ48A-13-F	SMBJ8.5CA-13-F	SMCJ160CA-13-F	SMCJ48A-13-F	SMCJ85A-13-F
SMBJ170A-13-F	SMBJ48CA-13-F	SMBJ85A-13-F	SMCJ16A-13-F	SMCJ48CA-13-F	SMCJ85CA-13-F
SMBJ170CA-13-F	SMBJ5.0A-13-F	SMBJ85CA-13-F	SMCJ16CA-13-F	SMCJ5.0A-13-F	SMCJ9.0A-13-F
SMBJ17A-13-F	SMBJ5.0CA-13-F	SMBJ9.0A-13-F	SMCJ170A-13-F	SMCJ5.0CA-13-F	SMCJ9.0CA-13-F
SMBJ17CA-13-F	SMBJ51A-13-F	SMBJ9.0CA-13-F	SMCJ170CA-13-F	SMCJ51A-13-F	SMCJ90A-13-F
SMBJ180A-13-F	SMBJ51CA-13-F	SMBJ90A-13-F	SMCJ17A-13-F	SMCJ51CA-13-F	SMCJ90CA-13-F
SMBJ18A-13-F	SMBJ54A-13-F	SMBJ90CA-13-F	SMCJ17CA-13-F	SMCJ54A-13-F	
SMBJ18CA-13-F	SMBJ54CA-13-F	SMBT70A-13-F	SMCJ18A-13-F	SMCJ54CA-13-F	

**Table 3 – Affected part list to add Yeashin Fab as an additional wafer source**

SMAT70A-13-F					
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