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DATE: 18 November, 2024

PCN #: 2702

PCN Title: Transfer of Wafer Manufacturing Site and Additional Wafer Source for Select Automotive Products – Automotive

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 notification by contacting your local Diodes sales representative. If you require samples for evaluation purposes, please submit a corresponding request within 30 days as well. Otherwise, samples may not be built prior to the implementation of the announced change(s).

The change(s) announced in this PCN will not be implemented prior to the target implementation date, i.e. 90 days from the stated notification date, unless Diodes receives written customer approval before that date.

Previously agreed upon customer specific product and/or process change requirements will be addressed separately.

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

Sincerely,

Diodes Incorporated PCN Team



**PRODUCT CHANGE NOTICE**

**PCN-2702-REV1**

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
18 November, 2024	17 February, 2025	Discrete Semiconductor	Transfer Wafer Source, Additional Wafer Source	<b>2702</b>
<b>TITLE</b>				
Transfer of Wafer Manufacturing Site and Additional Wafer Source for 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 external wafer supplier, Yea Shin Technology Co., Ltd., has qualified new wafer fabrication source in Keelung, Taiwan and will transfer all processes and production from the original Luzhu plant (4-inch or 5-inch diameter wafer) in Taoyuan, Taiwan to the Keelung plant (5-inch or 6-inch diameter wafer) in Keelung, Taiwan for select automotive products listed below. Some products will also change to smaller die size.</p> <p>In addition, TVS products with <math>V_{RWM} \leq 17V</math> will be manufactured at the Keelung plant with 5-inch diameter N-type wafers, and 6-inch diameter P-type wafers.</p> <p>Full electrical characterization and reliability testing have been completed on representative part numbers to ensure there is no change to product reliability, device functionality or electrical specifications in the datasheet.</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>				
<p>Table 1 – Affected part list to transfer from the Luzhu plant (4-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer)</p> <p>Table 2 – Affected part list to transfer from the Luzhu plant (4-inch diameter N-type wafer) to the Keelung plant (6-inch diameter N-type wafer)</p> <p>Table 3 – Affected part list to transfer from the Luzhu plant (5-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer)</p> <p>Table 4 – Affected part list to transfer from the Luzhu plant (5-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer, and 6-inch diameter N-type wafer)</p> <p>Table 5 – Affected part list to transfer from the Luzhu plant (5-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer, and 6-inch diameter P-type wafer)</p>				
<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>				

Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days from the notification date of this PCN, all changes described in this announcement are considered approved.

**Table 1 - Affected part list to transfer from the Luzhu plant (4-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer)**

RS1JDFQ-13	S1JQ-13-F	S2KDFQ-13	US1JDFQ-13	US1NWFQ-7	US2JDFQ-13
RS1MDFQ-13	S1MDFQ-13	S8MCQ-13	US1MDFQ-13		

**Table 2 - Affected part list to transfer from the Luzhu plant (4-inch diameter N-type wafer) to the Keelung plant (6-inch diameter N-type wafer)**

US1DWFQ-7*	US1GWFQ-7				
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Note: "\*" Change to smaller die size

**Table 3 - Affected part list to transfer from the Luzhu plant (5-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer)**

P6SMAJ12ADFQ-13	P6SMAJ18ADFQ-13	P6SMAJ26ADFQ-13	P6SMAJ33ADFQ-13	P6SMAJ43ADFQ-13	P6SMAJ60ADFQ-13
P6SMAJ13ADFQ-13	P6SMAJ20ADFQ-13	P6SMAJ28ADFQ-13	P6SMAJ36ADFQ-13	P6SMAJ58ADFQ-13	P6SMAJ7.5ADFQ-13
P6SMAJ14ADFQ-13	P6SMAJ24ADFQ-13	P6SMAJ30ADFQ-13	P6SMAJ40ADFQ-13	P6SMAJ6.0ADFQ-13	P6SMAJ8.5ADFQ-13
P6SMAJ15ADFQ-13					

**Table 4 - Affected part list to transfer from the Luzhu plant (5-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer, and 6-inch diameter N-type wafer)**

3.0SMCJ100AQ-13	3.0SMCJ48AQ-13	SMA6J36CAQ-13	SMAJ22CAQ-13-F	SMAJ48AQ-13-F	SMBJ130CAQ-13-F
3.0SMCJ18AQ-13	3.0SMCJ54AQ-13	SMA6J40CAQ-13	SMAJ24AQ-13-F	SMAJ48CAQ-13-F	SMBJ170AQ-13-F
3.0SMCJ18CAQ-13	3.0SMCJ54CAQ-13	SMA6J43CAQ-13	SMAJ24CAQ-13-F	SMAJ51CAQ-13-F	SMBJ170CAQ-13-F
3.0SMCJ20CAQ-13	3.0SMCJ58AQ-13	SMA6J45CAQ-13	SMAJ26AQ-13-F	SMAJ54AQ-13-F	SMBJ18AQ-13-F
3.0SMCJ22AQ-13	3.0SMCJ58CAQ-13	SMA6J48AQ-13	SMAJ26CAQ-13-F	SMAJ54CAQ-13-F	SMBJ18CAQ-13-F
3.0SMCJ22CAQ-13	3.0SMCJ60CAQ-13	SMA6J48CAQ-13	SMAJ28AQ-13-F	SMAJ58AQ-13-F	SMBJ200AQ-13-F
3.0SMCJ24AQ-13	3.0SMCJ64CAQ-13	SMA6J54CAQ-13	SMAJ28CAQ-13-F	SMAJ58CAQ-13-F	SMBJ200CAQ-13-F
3.0SMCJ24CAQ-13	3.0SMCJ70AQ-13	SMA6J58CAQ-13	SMAJ30AQ-13-F	SMAJ60AQ-13-F	SMBJ20AQ-13-F
3.0SMCJ26AQ-13	3.0SMCJ70CAQ-13	SMA6J70CAQ-13	SMAJ30CAQ-13-F	SMAJ60CAQ-13-F	SMBJ20CAQ-13-F
3.0SMCJ26CAQ-13	3.0SMCJ85AQ-13	SMAJ100AQ-13-F	SMAJ33AQ-13-F	SMAJ70AQ-13-F	SMBJ22AQ-13-F
3.0SMCJ28AQ-13	3.0SMCJ85CAQ-13	SMAJ120AQ-13-F	SMAJ33CAQ-13-F	SMAJ70CAQ-13-F	SMBJ22CAQ-13-F
3.0SMCJ28CAQ-13	SMA6J18CAQ-13	SMAJ160CAQ-13-F	SMAJ36AQ-13-F	SMAJ75AQ-13-F	SMBJ24AQ-13-F
3.0SMCJ30AQ-13	SMA6J20CAQ-13	SMAJ18AQ-13-F	SMAJ36CAQ-13-F	SMAJ75CAQ-13-F	SMBJ24CAQ-13-F
3.0SMCJ30CAQ-13	SMA6J22CAQ-13	SMAJ18CAQ-13-F	SMAJ40AQ-13-F	SMAJ78AQ-13-F	SMBJ26AQ-13-F
3.0SMCJ33CAQ-13	SMA6J24CAQ-13	SMAJ200AQ-13-F	SMAJ40CAQ-13-F	SMAJ78CAQ-13-F	SMBJ26CAQ-13-F
3.0SMCJ36AQ-13	SMA6J28CAQ-13	SMAJ20AQ-13-F	SMAJ43AQ-13-F	SMAJ85CAQ-13-F	SMBJ28AQ-13-F
3.0SMCJ36CAQ-13	SMA6J30CAQ-13	SMAJ20CAQ-13-F	SMAJ43CAQ-13-F	SMBJ120CAQ-13-F	SMBJ28CAQ-13-F
3.0SMCJ40AQ-13	SMA6J33CAQ-13	SMAJ22AQ-13-F	SMAJ45CAQ-13-F	SMBJ130AQ-13-F	SMBJ30AQ-13-F

**Table 4 - Affected part list to transfer from the Luzhu plant (5-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer, and 6-inch diameter N-type wafer) (Cont.)**

SMBJ30CAQ-13-F	SMBJ58CAQ-13-F	SMCJ110AQ-13-F	SMCJ22CAQ-13-F	SMCJ33CAQ-13-F	SMCJ60CAQ-13-F
SMBJ33AQ-13-F	SMBJ64AQ-13-F	SMCJ110CAQ-13-F	SMCJ24AQ-13-F	SMCJ36AQ-13-F	SMCJ64AQ-13-F
SMBJ33CAQ-13-F	SMBJ64CAQ-13-F	SMCJ130AQ-13-F	SMCJ24CAQ-13-F	SMCJ36CAQ-13-F	SMCJ64CAQ-13-F
SMBJ36AQ-13-F	SMBJ70AQ-13-F	SMCJ150AQ-13-F	SMCJ26AQ-13-F	SMCJ40CAQ-13-F	SMCJ70AQ-13-F
SMBJ36CAQ-13-F	SMBJ70CAQ-13-F	SMCJ170AQ-13-F	SMCJ26CAQ-13-F	SMCJ48AQ-13-F	SMCJ70CAQ-13-F
SMBJ40AQ-13-F	SMBJ75AQ-13-F	SMCJ18AQ-13-F	SMCJ28AQ-13-F	SMCJ48CAQ-13-F	SMCJ75AQ-13-F
SMBJ40CAQ-13-F	SMBJ75CAQ-13-F	SMCJ18CAQ-13-F	SMCJ28CAQ-13-F	SMCJ51AQ-13-F	SMCJ75CAQ-13-F
SMBJ45AQ-13-F	SMBJ85AQ-13-F	SMCJ20AQ-13-F	SMCJ30AQ-13-F	SMCJ51CAQ-13-F	SMCJ78AQ-13-F
SMBJ51AQ-13-F	SMBJ85CAQ-13-F	SMCJ20CAQ-13-F	SMCJ30CAQ-13-F	SMCJ58AQ-13-F	SMCJ78CAQ-13-F
SMBJ51CAQ-13-F	SMCJ100CAQ-13-F	SMCJ22AQ-13-F	SMCJ33AQ-13-F	SMCJ58CAQ-13-F	SMCJ85AQ-13-F
SMBJ58AQ-13-F					

**Table 5 - Affected part list to transfer from the Luzhu plant (5-inch diameter N-type wafer) to the Keelung plant (5-inch diameter N-type wafer, and 6-inch diameter P-type wafer)**

3.0SMCJ11AQ-13	3.0SMCJ5.0CAQ-13	SMAJ12CAQ-13-F	SMAJ5.0AQ-13-F	SMBJ17AQ-13-F	SMCJ14AQ-13-F
3.0SMCJ12CAQ-13	3.0SMCJ7.5AQ-13	SMAJ13AQ-13-F	SMAJ5.0CAQ-13-F	SMBJ17CAQ-13-F	SMCJ15AQ-13-F
3.0SMCJ13AQ-13	SMA6J10CAQ-13	SMAJ13CAQ-13-F	SMAJ6.5CAQ-13-F	SMBJ5.0AQ-13-F	SMCJ15CAQ-13-F
3.0SMCJ13CAQ-13	SMA6J13CAQ-13	SMAJ14AQ-13-F	SMBJ12AQ-13-F	SMBJ5.0CAQ-13-F	SMCJ16AQ-13-F
3.0SMCJ14AQ-13	SMA6J15CAQ-13	SMAJ14CAQ-13-F	SMBJ12CAQ-13-F	SMBJ6.0CAQ-13-F	SMCJ16CAQ-13-F
3.0SMCJ14CAQ-13	SMA6J5.0CAQ-13	SMAJ15AQ-13-F	SMBJ14AQ-13-F	SMBJ6.5AQ-13-F	SMCJ17AQ-13-F
3.0SMCJ15AQ-13	SMA6J6.5CAQ-13	SMAJ15CAQ-13-F	SMBJ14CAQ-13-F	SMBJ6.5CAQ-13-F	SMCJ17CAQ-13-F
3.0SMCJ16AQ-13	SMA6J8.5CAQ-13	SMAJ16AQ-13-F	SMBJ15AQ-13-F	SMBJ7.5CAQ-13-F	SMCJ5.0AQ-13-F
3.0SMCJ16CAQ-13	SMAJ10AQ-13-F	SMAJ16CAQ-13-F	SMBJ15CAQ-13-F	SMCJ11AQ-13-F	SMCJ5.0CAQ-13-F
3.0SMCJ17AQ-13	SMAJ10CAQ-13-F	SMAJ17AQ-13-F	SMBJ16AQ-13-F	SMCJ11CAQ-13-F	SMCJ8.5CAQ-13-F
3.0SMCJ5.0AQ-13	SMAJ12AQ-13-F	SMAJ17CAQ-13-F	SMBJ16CAQ-13-F	SMCJ12AQ-13-F	