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DATE: 29 May, 2024

PCN #: 2690

PCN Title: Qualification of Diodes' subcontractor Eris Technology Corporation (Eris) in Taoyuan, Taiwan as Additional Assembly & Test Site and Diodes internal JK FAB in HsinChu, Taiwan as additional wafer source 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 within 30 days as well. Otherwise, samples may not be built prior to this change. 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



**PRODUCT CHANGE NOTICE**

**PCN-2690 REV 1**

<b>Notification Date:</b>	<b>Implementation Date:</b>	<b>Product Family:</b>	<b>Change Type:</b>	<b>PCN #:</b>
29 May, 2024	29 August, 2024	Discrete Semiconductor	Additional Assembly & Test Site / Assembly Bill of Materials / Additional Wafer Source	<b>2690</b>
<b>TITLE</b>				
Qualification of Diodes' subcontractor Eris Technology Corporation (Eris) in Taoyuan, Taiwan as Additional Assembly & Test Site and Diodes internal JK FAB in HsinChu, Taiwan as additional wafer source for Select Discrete Products.				
<b>DESCRIPTION OF CHANGE</b>				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified its subcontractor Eris Technology Corporation (Eris) in Taoyuan, Taiwan as additional Assembly and Test site using PdCu wire with plating at Band1 for discrete products listed in the table below. Some select products are also subject to standardization of the assembly bill of materials including mold compound, lead frame types and bonding wire diameter at Eris.</p> <p>In addition, Diodes Incorporated has qualified Diodes internal JK FAB in Hsinchu, Taiwan as additional wafer source along with back metal (BM) processing at internal "Diodes Technology (Cheng Du) Company Limited" (CAT) located in Chengdu, China for select discrete product listed in the table below.</p> <p>Full electrical characterization and high reliability testing have been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet.</p> <p>There will be no change to Fit or Function of products affected.</p>				
<b>IMPACT</b>				
Continuity of Supply. No change in datasheet electrical parameters and product performance.				
<b>PRODUCTS AFFECTED</b>				
<p>Please see the attached part list and top marking changes in following tables:</p> <p>Table 1 – Affected part list to add Eris as additional A/T site using PdCu wire with plating at Band1</p> <p>Table 2 – Affected part list to add Eris as additional A/T site using PdCu wire with plating at Band1 and add JK FAB as additional wafer source along with BM processing at CAT</p> <p>Table 3 – Part marking format (Y of the date code or first character of the product type code underlined to denote Eris)</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>				
<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 Eris as additional A/T site using PdCu wire with plating at Band1**

1N4148W-13-F	AZ23C3V0-7-F	BAT54-13-F	BSS123-13-F	BZT52C27S-7-F	BZT52C5V1-7-F
1N4148W-7-F	AZ23C3V3-7-F	BAT54-7-F	BSS123-7-F	BZT52C2V0-7-F	BZT52C5V1S-7-F
1N4148WS-13-F	AZ23C3V6-7-F	BAT54A-13-F	BSS123K-7	BZT52C2V0S-7-F	BZT52C5V6-13-F
1N4148WS-7-F	AZ23C3V9-7-F	BAT54A-7-F	BSS138-13-F	BZT52C2V4-13-F	BZT52C5V6-7-F
1N4448HWS-13-F	AZ23C43-7-F	BAT54C-7-F	BSS138-7-F	BZT52C2V4-7-F	BZT52C5V6S-7-F
1N4448HWS-7-F	AZ23C47-7-F	BAT54S-7-F	BSS138K-13	BZT52C2V4S-7-F	BZT52C6V2-13-F
1N4448W-13-F	AZ23C4V3-7-F	BAT54WS-13-F	BSS138K-7	BZT52C2V7-13-F	BZT52C6V2-7-F
1N4448W-7-F	AZ23C4V7-7-F	BAT54WS-7-F	BSS84-13-F	BZT52C2V7-7-F	BZT52C6V2S-7-F
1N4448WS-7-F	AZ23C51-7-F	BAV16W-7-F	BSS84-7-F	BZT52C2V7S-7-F	BZT52C6V8-13-F
1N5711W-7-F	AZ23C5V1-7-F	BAV70-13-F	BZT52C10-13-F	BZT52C30-7-F	BZT52C6V8-7-F
1N5711WS-7-F	AZ23C5V6-7-F	BAV70-7-F	BZT52C10-7-F	BZT52C30S-7-F	BZT52C6V8S-7-F
1N5819HW-7-F	AZ23C6V2-7-F	BAV99-13-F	BZT52C10S-7-F	BZT52C33-13-F	BZT52C7V5-7-F
1N6263W-7-F	AZ23C6V8-7-F	BAV99-7-F	BZT52C11-7-F	BZT52C33-7-F	BZT52C7V5S-7-F
2DC2412R-7	AZ23C7V5-7-F	BAW56-13-F	BZT52C11S-7-F	BZT52C33S-7-F	BZT52C8V2-13-F
2N7002-13-F	AZ23C8V2-7-F	BAW56-7-F	BZT52C12-13-F	BZT52C36-7-F	BZT52C8V2-7-F
2N7002-7-F	AZ23C9V1-7-F	BC807-25-7-F	BZT52C12-7-F	BZT52C36S-7-F	BZT52C8V2S-7-F
2N7002A-13	B0520LW-7-F	BC817-16-7-F	BZT52C12S-7-F	BZT52C39-13-F	BZT52C9V1-13-F
2N7002A-7	B0530W-7-F	BC817-25-7-F	BZT52C13-7-F	BZT52C39-7-F	BZT52C9V1-7-F
2N7002E-7-F	B0540W-7-F	BC817-40-7-F	BZT52C13S-7-F	BZT52C39S-7-F	BZT52C9V1S-7-F
2N7002K-13	B130LAW-7-F	BC846A-7-F	BZT52C15-13-F	BZT52C3V0-7-F	BZX84C10-7-F
2N7002K-7	B140HW-7	BC846B-13-F	BZT52C15-7-F	BZT52C3V0S-7-F	BZX84C11-7-F
AZ23C10-7-F	BAL99-7-F	BC846B-7-F	BZT52C15S-7-F	BZT52C3V3-7-F	BZX84C12-13-F
AZ23C11-7-F	BAS16-7-F	BC847A-7-F	BZT52C16-13-F	BZT52C3V3S-7-F	BZX84C12-7-F
AZ23C12-7-F	BAS21-7-F	BC847B-13-F	BZT52C16-7-F	BZT52C3V6-13-F	BZX84C13-7-F
AZ23C13-7-F	BAS299-7	BC847B-7-F	BZT52C16S-7-F	BZT52C3V6-7-F	BZX84C15-13-F
AZ23C15-7-F	BAS40-04-7-F	BC847C-7-F	BZT52C18-7-F	BZT52C3V6S-7-F	BZX84C15-7-F
AZ23C16-7-F	BAS40-05-7-F	BC848C-7-F	BZT52C18S-7-F	BZT52C3V9-13-F	BZX84C16-7-F
AZ23C18-7-F	BAS40-06-7-F	BC856A-7-F	BZT52C20-13-F	BZT52C3V9-7-F	BZX84C18-7-F
AZ23C20-7-F	BAS40-7-F	BC856B-13-F	BZT52C20-7-F	BZT52C3V9S-7-F	BZX84C20-13-F
AZ23C22-7-F	BAS70-04-7-F	BC856B-7-F	BZT52C20S-7-F	BZT52C43-7-F	BZX84C20-7-F
AZ23C24-7-F	BAS70-05-7-F	BC857B-13-F	BZT52C22-13-F	BZT52C47-7-F	BZX84C22-7-F
AZ23C27-7-F	BAS70-06-7-F	BC857B-7-F	BZT52C22-7-F	BZT52C4V3-7-F	BZX84C24-7-F
AZ23C2V7-7-F	BAS70-7-F	BC857C-13-F	BZT52C22S-7-F	BZT52C4V3S-7-F	BZX84C27-7-F
AZ23C30-7-F	BAT42W-7-F	BC857C-7-F	BZT52C24-13-F	BZT52C4V7-13-F	BZX84C2V4-7-F
AZ23C33-7-F	BAT42WS-7-F	BC858C-7-F	BZT52C24-7-F	BZT52C4V7-7-F	BZX84C2V7-7-F
AZ23C36-13-F	BAT43W-7-F	BCV46TA	BZT52C24S-7-F	BZT52C4V7S-7-F	BZX84C30-7-F
AZ23C36-7-F	BAT43WS-7-F	BCW68HTA	BZT52C27-13-F	BZT52C51-7-F	BZX84C33-13-F
AZ23C39-7-F	BAT46W-7-F	BS870-7-F	BZT52C27-7-F	BZT52C5V1-13-F	BZX84C33-7-F



**Table 1 - Affected part list to add Eris as additional A/T site using PdCu wire with plating at Band1 (Cont.)**

BZX84C36-7-F	DDTC144TCA-7-F	DMN3032LFDB-7	DMP2035UFDF-13	DMT3006LFDF-13	DZ23C3V3-7-F
BZX84C39-7-F	DMC2025UFDB-7	DMN3042LFDF-13	DMP2035UFDF-7	DMT3006LFDF-7	DZ23C3V6-7-F
BZX84C3V0-7-F	DMC2053UFDB-7	DMN3042LFDF-7	DMP2040UFDF-7	DMT3008LFDF-13	DZ23C3V9-7-F
BZX84C3V3-7-F	DMC3032LFDB-7	DMN3055LFDB-13	DMP2065UFDB-13	DMT3008LFDF-7	DZ23C43-7-F
BZX84C3V6-7-F	DMN1004UFDF-13	DMN3055LFDB-7	DMP2065UFDB-7	DMT3020LFDB-7	DZ23C47-7-F
BZX84C3V9-13-F	DMN1004UFDF-7	DMN30H4D0LFDE-13	DMP2075UFDB-13	DMT3020UFDB-7	DZ23C4V3-7-F
BZX84C3V9-7-F	DMN1008UFDF-13	DMN30H4D0LFDE-7	DMP2075UFDB-7	DMT35M4LFDF-13	DZ23C4V7-7-F
BZX84C43-7-F	DMN1008UFDF-7	DMN31D5L-13	DMP2110UFDB-7	DMT35M4LFDF-7	DZ23C51-7-F
BZX84C47-7-F	DMN10H170SFDE-7	DMN31D5L-7	DMP3025SFDF-13	DMT4008LFDF-13	DZ23C5V1-7-F
BZX84C4V3-7-F	DMN10H220LFDF-7	DMN3732U-13	DMP3026SFDE-13	DMT4008LFDF-7	DZ23C5V6-7-F
BZX84C4V7-13-F	DMN10H6D2LFDB-7	DMN4020LFDE-13	DMP3026SFDE-7	DMT4031LFDF-7	DZ23C6V2-7-F
BZX84C4V7-7-F	DMN14M8UFDF-13	DMN4020LFDE-7	DMP3026SFDF-13	DMT5015LFDF-13	DZ23C6V8-7-F
BZX84C51-7-F	DMN14M8UFDF-7	DMN52D0U-7	DMP3026SFDF-7	DMT6012LFDF-13	DZ23C7V5-7-F
BZX84C5V1-13-F	DMN2004K-7	DMN53D0L-13	DMP3028LFDE-13	DMT6012LFDF-7	DZ23C8V2-7-F
BZX84C5V1-7-F	DMN2009UFDF-7	DMN53D0L-7	DMP3028LFDE-7	DMT6013LFDF-7	DZ23C9V1-7-F
BZX84C5V6-13-F	DMN2011UFDE-7	DMN53D0U-13	DMP31D1U-7	DMT6016LFDF-13	MBR0580S1-7
BZX84C5V6-7-F	DMN2011UFDF-13	DMN53D0U-7	DMP31D7L-13	DMT6016LFDF-7	MBR180S1-7
BZX84C6V2-13-F	DMN2011UFDF-7	DMN601K-7	DMP31D7L-7	DMT6017LFDF-13	MMBD4148-13-F
BZX84C6V2-7-F	DMN2015UFDE-7	DMN6040SFDE-7	DMP4047LFDE-7	DMT6017LFDF-7	MMBD4148-7-F
BZX84C6V8-7-F	DMN2015UFDF-7	DMN62D2U-13	DMP510DL-13	DMT6030LFDF-7	MMBD4448-7-F
BZX84C7V5-7-F	DMN2024UFDF-7	DMN62D2U-7	DMP510DL-7	DMT8030LFDF-7	MMBD7000-7-F
BZX84C8V2-13-F	DMN2025UFDB-7	DMN63D1L-13	DMP610DL-13	DZ23C10-7-F	MMBD7000HC-7-F
BZX84C8V2-7-F	DMN2025UFDF-13	DMN65D8L-7	DMP610DL-7	DZ23C11-7-F	MMBF170-13-F
BZX84C9V1-7-F	DMN2025UFDF-7	DMN65D9L-13	DMP6110SFDF-13	DZ23C12-7-F	MMBF170-7-F
DDTA114YCA-7-F	DMN2053UFDB-7	DMN65D9L-7	DMP6110SFDF-7	DZ23C13-7-F	MMBT2222A-13-F
DDTA143TCA-7-F	DMN2300U-7	DMN67D8L-13	DMP6250SFDF-13	DZ23C15-7-F	MMBT2222A-7-F
DDTA143ZCA-7-F	DMN2310U-13	DMN67D8L-7	DMP6250SFDF-7	DZ23C16-7-F	MMBT2907A-13-F
DDTA144ECA-7-F	DMN2310U-7	DMP1005UFDF-13	DMT10H032LFDF-13	DZ23C18-7-F	MMBT2907A-7-F
DDTA144WCA-7-F	DMN29M9UFDF-7	DMP1005UFDF-7	DMT10H032LFDF-7	DZ23C20-7-F	MMBT3904-13-F
DDTB113ZC-7-F	DMN3016LFDE-13	DMP1009UFDF-13	DMT10H052LFDF-13	DZ23C22-7-F	MMBT3904-7-F
DDTC114ECA-7-F	DMN3016LFDE-7	DMP1009UFDF-7	DMT10H052LFDF-7	DZ23C24-7-F	MMBT3906-13-F
DDTC114YCA-7-F	DMN3016LFDF-13	DMP1012UFDF-13	DMT10H072LFDF-13	DZ23C27-7-F	MMBT3906-7-F
DDTC124ECA-7-F	DMN3016LFDF-7	DMP1012UFDF-7	DMT10H072LFDF-7	DZ23C2V7-7-F	MMBT4401-13-F
DDTC124XCA-7-F	DMN3020UFDF-7	DMP2016UFDF-7	DMT12H060LFDF-13	DZ23C30-7-F	MMBT4401-7-F
DDTC143ECA-7-F	DMN3021LFDF-13	DMP2021UFDE-7	DMT12H060LFDF-7	DZ23C33-7-F	MMBT4403-13-F
DDTC143XCA-7-F	DMN3021LFDF-7	DMP2021UFDF-7	DMT12H065LFDF-13	DZ23C36-7-F	MMBT5551-7-F
DDTC143ZCA-7-F	DMN3025LFDF-7	DMP2023UFDF-13	DMT12H065LFDF-7	DZ23C39-7-F	MMBTA05-7-F
DDTC144ECA-7-F	DMN3032LFDB-13	DMP2023UFDF-7	DMT2004UFDF-7	DZ23C3V0-7-F	MMBTA06-7-F

Table 1 - Affected part list to add Eris as additional A/T site using PdCu wire with plating at BandI (Cont.)					
MMBTA13-7-F	MMBZ5228B-7-F	MMBZ5238B-7-F	MMBZ5251B-7-F	SD101AWS-7-F	SD103CWS-7-F
MMBTA14-13-F	MMBZ5229B-7-F	MMBZ5239B-7-F	MMBZ5252B-7-F	SD101BW-7-F	SD107WS-7-F
MMBTA42-13-F	MMBZ5230B-7-F	MMBZ5240B-7-F	MMBZ5254B-7-F	SD101CW-7-F	SD12A-7
MMBTA42-7-F	MMBZ5231B-13-F	MMBZ5241B-7-F	MMBZ5255B-7-F	SD101CWS-7-F	SD15-7
MMBTA63-7-F	MMBZ5231B-7-F	MMBZ5242B-7-F	MMBZ5256B-7-F	SD103AW-13-F	SD24-7
MMBTA64-7-F	MMBZ5232B-7-F	MMBZ5243B-7-F	MMBZ5257B-7-F	SD103AW-7-F	SD36-7
MMBZ5221B-7-F	MMBZ5233B-7-F	MMBZ5244B-7-F	MMBZ5258B-7-F	SD103AWS-7-F	SDM10K45-7-F
MMBZ5222B-7-F	MMBZ5234B-7-F	MMBZ5245B-7-F	MMBZ5259B-7-F	SD103BW-7-F	ZXTN2040FTA
MMBZ5223B-7-F	MMBZ5235B-7-F	MMBZ5246B-7-F	SD03-7	SD103BWS-7-F	ZXTP2039FTA
MMBZ5225B-7-F	MMBZ5236B-7-F	MMBZ5248B-7-F	SD05A-7	SD103CW-13-F	ZXTP25020DFLTA
MMBZ5226B-7-F	MMBZ5237B-7-F	MMBZ5250B-7-F	SD101AW-7-F	SD103CW-7-F	ZXTP25040DFLTA
MMBZ5227B-7-F					

Table 2 - Affected part list to add Eris as additional A/T site using PdCu wire with plating at BandI and add JK FAB as additional wafer source along with BM processing at CAT					
BC847C-13-F					

Table 3 – Part Marking Format (Please refer to the examples below)

SAT (Diodes Internal Assembly & Test site Shanghai, China) and CAT (Diodes Internal AT site Chengdu, China)	Eris (Diodes External Assembly & Test Site Taoyuan, Taiwan) <u>Y</u> of the date code or first character of the product type code underlined to denote Eris
Marking format example	Marking format example