



DATE: 21st October, 2019

PCN #: 2313

PCN Title: Qualification of "Diodes Technology (Cheng Du) Company Limited" (CAT) as an Additional Assembly & Test Site, Conversion to Copper Bond Wire, and Qualification of Additional Die Passivation Layer 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 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-2313 REV 1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
21 st October, 2019	21 st January, 2020	Discrete Semiconductors	Additional Assembly & Test Site / Die Passivation Layer / Bond Wire Material	2313
TITLE				
Qualification of "Diodes Technology (Cheng Du) Company Limited" (CAT) as an Additional Assembly & Test Site, Conversion to Copper Bond Wire, and Qualification of Additional Die Passivation Layer on Select Products				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified "Diodes Technology (Cheng Du) Company Limited" (CAT) as an additional internal Assembly and Test site in Chengdu, China, and qualified Copper (Cu) bond wire, and the addition of a passivation layer over the top metal of the die for select Discrete products listed below.</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. Refer to the attached qualification / reliability report (embedded in this file).</p> <p>There will be no change to the Form, Fit, or Function of affected products.</p>				
IMPACT				
Continuity of Supply. No change in data sheet electrical parameters and product performance.				
PRODUCTS AFFECTED				
<p>Please see the attached parts list below in the following Tables:</p> <p>Table 1 - Affected Part List to add CAT as the additional A/T site.</p> <p>Table 2 - Affected Part List to add CAT as the additional A/T site, qualify Cu wire.</p> <p>Table 3 - Affected Part List to add CAT as the additional A/T site, qualify Cu wire and addition of passivation layer.</p>				
WEB LINKS				
Manufacturer's Notice:	https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/			
For More Information Contact:	http://www.diodes.com/contacts			
Data Sheet:	http://www.diodes.com/products			
DISCLAIMER				
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.				

Table 1: Affected Part List to add CAT as the additional A/T site					
2DA1201Y-7	2DD1621T-13	DCX68-25-13	FCX1047ATA	ZX5T955ZTA	ZXTP19100CZTA
2DA1213O-13	2DD1664P-13	DCX69-13	FCX1051ATA	ZXTN10150DZTA	ZXTP2008ZTA
2DA1213Y-13	2DD1664Q-13	DCX69-25-13	FCX1053ATA	ZXTN19020DZTA	ZXTP2012ZTA
2DA1797-13	2DD1664R-13	DNLS350Y-13	FCX1147ATA	ZXTN19055DZTA	ZXTP2013ZTA
2DB1119S-13	2DD1766P-13	DPLS350Y-13	FCX1149ATA	ZXTN19100CZTA	ZXTP2014ZTA
2DB1132Q-13	2DD1766R-13	DSS4540X-13	FCX1151ATA	ZXTN2005ZTA	ZXTP25012EZTA
2DB1132R-13	2DD2098R-13	DXT2222A-13	FCX605TA	ZXTN2007ZTA	ZXTP25020DZTA
2DB1188P-13	2DD2661-13	DXT2907A-13	FCX617TA	ZXTN2010ZTA	ZXTP25040DZTA
2DB1188Q-13	2DD2678-13	DXT3904-13	FCX619TA	ZXTN2011ZTA	ZXTP25100CZTA
2DB1188R-13	2DD2679-13	DXT3906-13	FCX688BTA	ZXTN25012EZTA	ZXTP4003ZTA
2DB1386Q-13	BCX5116TC	DXT5401-13	FCX690BTA	ZXTN25020DZTA	ZXTR2005Z-13
2DB1386R-13	BCX5316TC	DXT5551-13	FCX705TA	ZXTN25040DZTA	ZXTR2005Z-7
2DB1424R-13	BCX53TC	DXT751-13	FCX717TA	ZXTN25060BZTA	ZXTR2008Z-13
2DB1697-13	BCX5416TC	DXTA42-13	FCX718TA	ZXTN25100DZTA	ZXTR2008Z-7
2DB1713-13	BCX5610TC	DXTA92-13	FCX789ATA	ZXTP19020DZTA	ZXTR2012Z-13
2DC4672-13	BCX5616TC	DXTN26070CY-13	FCX790ATA	ZXTP19060CZTA	ZXTR2012Z-7

Table 2 –Affected Part List to add CAT as the additional A/T site and qualify Cu wire					
2DA1213Y-13R	BCX5310TA	BCX5510TA	BST39TA	FCX555TA	SXTA42TA
BCV49TA	BCX5316-13R	BCX5516TA	BST52TA	FCX558TA	SXTA42TC
BCX5110TA	BCX5316TA	BCX55TA	FCX458TA	FCX589TA	ZXTN4002ZTA
BCX5116TA	BCX53TA	BCX5610TA	FCX491ATA	FCX591ATA	ZXTN5551ZTA
BCX51TA	BCX5410TA	BCX5616TA	FCX491TA	FCX591TA	ZXTP03200BZTA
BCX5210TA	BCX5416-13R	BCX56TA	FCX493TA	FCX593TA	ZXTP2009ZTA
BCX5216TA	BCX5416TA	BCX6825TA	FCX495-13R	FCX596TA	ZXTP2012Z-13R
BCX52TA	BCX54TA	BCX6925TA	FCX495TA		

Table 3 – Affected Part List to add CAT as the additional A/T site, qualify Cu wire and addition of passivation layer					
ZX5T3ZTA	ZX5T3ZTC	ZXTN4000ZTA	ZXTN4006ZTA	ZXTP5401ZTA	