



DATE: 26 September, 2023

PCN #: 2639

PCN Title: Qualification of Internal "Diodes Technology (Cheng Du) Company Limited" (CAT) as Additional Assembly & Test Site Using PdCu Bond Wire with Standardization of Assembly Bill of Materials at CAT for 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 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-2639 REV 1

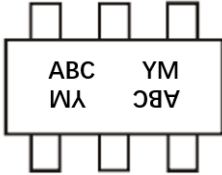
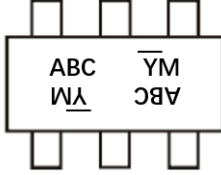
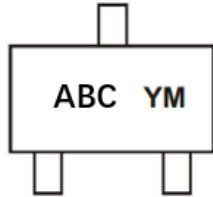
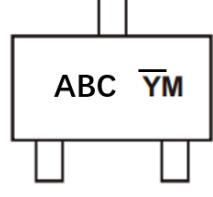
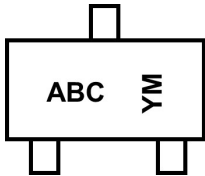
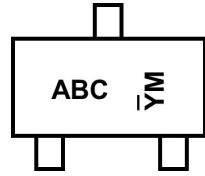
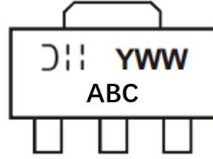
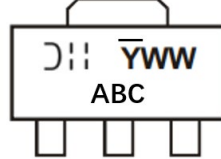
Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
26 September, 2023	26 December, 2023	Discrete	Additional Assembly & Test Site / Assembly Bill of Materials	2639
TITLE				
Qualification of Internal "Diodes Technology (Cheng Du) Company Limited" (CAT) as Additional Assembly & Test Site Using PdCu Bond Wire with Standardization of Assembly Bill of Materials at CAT for Select Automotive Products				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified internal "Diodes Technology (Cheng Du) Company Limited" (CAT) located in Chengdu, China as additional Assembly and Test site using PdCu bond wire for automotive products listed in the table below. Some select products are also subject to standardization of assembly bill of materials including die attach material, mold compound and lead frame types at CAT.</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.</p> <p>There will be no change to Fit or Function of products affected.</p>				
IMPACT				
Continuity of Supply. No change in datasheet electrical parameters and product performance.				
PRODUCTS AFFECTED				
Please see the attached part list and top marking changes in following tables: Table 1 – Affected part list to qualify CAT as additional A/T site with standardization of assembly bill of materials at CAT Table 2 – Marking code format for affected packages				
WEB LINKS				
Manufacturer's Notice:	https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/			
For More Information Contact:	https://www.diodes.com/about/contact-us/contact-sales/			
Data Sheet:	https://www.diodes.com/catalog/			
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 qualify CAT as additional A/T Site with standardization of assembly bill of materials at CAT					
2DA1201YQTC	ADTC124ECAQ-13	BCX5616QTC	DMN2230UQ-7	DXT751Q-13	FZT851QTA
ADTA114EUAQ-13	ADTC124ECAQ-7	BCX6825QTA	DMN3135LVTQ-7	FCX491AQTA	MMST5551Q-7-F
ADTA114EUAQ-7	ADTC143TUAQ-7	DMG1013TQ-7	DMN6068SEQ-13	FCX491QTA	MMSTA56Q-7-F
ADTA143ZUAQ-7	ADTC143ZCAQ-13	DMG2302UQ-13	DMN63D8LDWQ-7	FCX558QTA	ZXTN07060BGQTC
ADTA144ECAQ-7	ADTC143ZUAQ-13	DMG2302UQ-7	DMP1045UQ-7	FCX591AQTA	ZXTN25060BZQTA
ADTC114ECAQ-7	ADTC144EUAQ-7	DMG2307LQ-7	DMP2100UQ-7	FMMT5401Q-7	ZXTN25100DGQTA
ADTC114EUAQ-13	BCP5316QTA	DMG3401LSNQ-7	DMP6110SVTQ-13	FZT491AQTA	ZXTP01500BGQTC
ADTC114EUAQ-7	BCP5416QTA	DMG3414UQ-7	DMP6110SVTQ-7	FZT591AQTA	ZXTP07060BGQTC
ADTC114YUAQ-7	BCX5316QTA	DMG6602SVTQ-7	DXT651Q-13		

Note: Change bond wire from Cu to PdCu at CAT

Table 2: Marking Code Format –

Package Type	SAT (Diodes Internal AT site Shanghai, China)	CAT (Diodes Internal AT Site Chengdu, China) Add bar “-” above Y (Year date code) for CAT site
	Marking format example	Marking format example
SC59		
SOT-23		
SOT-323		
TSOT23-6		

SOT363		
SOT-523		
SSOT-23		
SOT89		
SOT-223	