

DATE: 11 February, 2025

PCN #: 2722

PCN Title: Change Lead Frame Type from SOT-23R to SOT-23T and Qualify Additional Diodes Internal Assembly and Test Site (CAT) with Standardization of Assembly Bill of Materials 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.

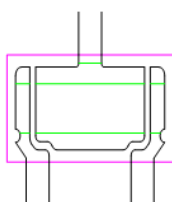
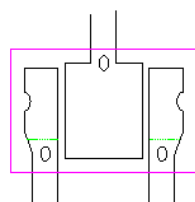
For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team

# PRODUCT CHANGE NOTICE

PCN-2722-REV1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:		
11 February, 2025	12 May, 2025	Discrete Semiconductor	Lead Frame Type & Additional Assembly and Test Site	2722		
TITLE						
Change Lead Frame Type from SOT-23R to SOT-23T and Qualify Additional Diodes Internal Assembly and Test Site (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 Incorporated has qualified a new lead frame type, SOT-23T, at the currently qualified assembly and test site (CAT) for select automotive products listed in the table below.</p> <p>In addition, Diodes Incorporated has qualified internal assembly and test site (CAT) located in Chengdu, China using PdCu bond wire as additional assembly and test (AT) site for select automotive products listed below. Some select products are also subject to standardization of assembly bill of materials including lead frame type and die attach material at CAT.</p>						
Lead Frame Type	SOT-23R (Baseline)	SOT-23T (New Change)				
Lead Frame Drawing						
<p>Full electrical characterization and reliability testing have been completed on the representative part numbers to ensure there is no change to product reliability, device functionality or electrical specifications in the datasheet.</p>						
IMPACT						
<p>Continuity of Supply. There will be no change to Form, Fit or Function of products affected for the parts listed in Table 1. There will be no change to Fit or Function of products affected for the parts listed in Table 2. No change in datasheet electrical parameters and product performance.</p>						
PRODUCTS AFFECTED						
<p>Please see the attached part list and part marking change in the following tables:</p> <p>Table 1 – Affected Part List to Change Lead Frame Type at the Currently Qualified AT Site (CAT)</p> <p>Table 2 – Affected Part List to qualify CAT as additional AT Site with standardization of assembly bill of materials at CAT</p> <p>Table 3 – Part Marking Format to Add CAT</p>						
WEB LINKS						
Manufacturer’s Notice:	<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>					
For More Information Contact:	<a href="https://www.diodes.com/about/contact-us/contact-sales/">https://www.diodes.com/about/contact-us/contact-sales/</a>					

Data Sheet:	<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 Change Lead Frame Type at the Currently Qualified AT Site (CAT)					
D1213A-02SOLQ-7	DMG3402LQ-13	DMN2055UQ-7	DMN6140LQ-13	DMP2110UQ-7	DMP3165LQ-7
DESD12VL2BTQ-7	DMG3402LQ-7	DMN3061SQ-7	DMN6140LQ-7	DMP2225LQ-7	DMP6350SQ-13
DESD15VL2BTQ-7	DMG3420UQ-7	DMN3066LQ-13	DMN61D8LQ-13	DMP3096LQ-13	DMP6350SQ-7
DESD3V3L2BTQ-7	DMN2053UQ-13	DMN3066LQ-7	DMN61D8LQ-7	DMP3096LQ-7	ZXMN2F30FHQTA
DESD5V0L2BTQ-7	DMN2053UQ-7	DMN3300UQ-7	DMP2110UQ-13	DMP3165LQ-13	

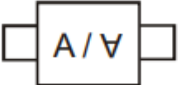
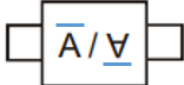
Table 2 - Affected Part List to qualify CAT as additional AT Site with standardization of assembly bill of materials at CAT					
BCR401UW6Q-7*	BCR421UW6Q-7*	DMC1030UFDBQ-7*	DMG4822SSDQ-13*	DMN3007LSSQ-13*	DMP1022UFDEQ-7*
BCR402UW6Q-7*	DESD5V0S1BAQ-7**	DMG4496SSSQ-13*	DMN2013UFDEQ-7*	DMN3032LFDBQ-7*	DMP3015LSSQ-13*
BCR405UW6Q-7*	DMC1030UFDBQ-13*	DMG4800LSDQ-13*	DMN2400UFDQ-7*	DMN4800LSSQ-13*	DMW2013UFDEQ-13*

Note: "\*" Change bond wire from Cu to PdCu at CAT

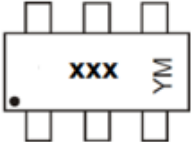
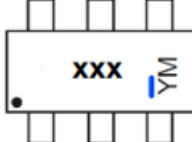
Note: "\*\*" Change bond wire from Au to PdCu at CAT

**Table 3: Part Marking Format to Add CAT –**

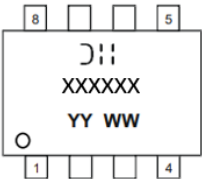
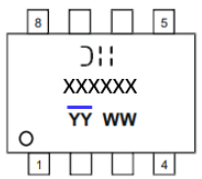
**SOD-323**

SAT (Diodes Internal AT site Chengdu, China) - Baseline	CAT (Diodes Internal AT Site Shanghai, China) - New <u>Add bar "-" above part marking for CAT site</u>
Part marking format example	Part marking format example
	

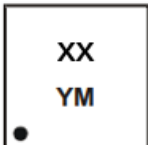

**SOT-26**

SAT (Diodes Internal AT site Shanghai, China) - Baseline	CAT (Diodes Internal AT Site Chengdu, China) - New <u>Add bar "-" above Year date code for CAT site</u>
Part marking format example	Part marking format example
	

### SOP-8L

SAT (Diodes Internal AT site Shanghai, China) - Baseline	CAT (Diodes Internal AT Site Chengdu, China) - New <a href="#">Add bar "-" above Year date code for CAT site</a>
Part marking format example	Part marking format example
	

### DFN1212C-3

SAT (Diodes Internal AT site Shanghai, China) - Baseline	CAT (Diodes Internal AT Site Chengdu, China) - New <a href="#">Change from YM to YWX for CAT site</a>
Part marking format example	Part marking format example
	

### DFN2020B-6, DFN2020E-6, SWP-DFN2020E-6

SAT (Diodes Internal AT site Shanghai, China) - Baseline	CAT (Diodes Internal AT Site Chengdu, China) - New <a href="#">Change from YM to YWX for CAT site</a>
Part marking format example	Part marking format example
