



---

DATE: 24<sup>th</sup> August, 2021

PCN #: 2522

PCN Title: Qualification of Internal "Diodes Technology (Cheng Du) Company Limited" (CAT) as Additional Assembly/Test Site Using PdCu or Cu Bond Wire with Standardization of Assembly Bill of Materials 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-2522 REV 1**

---

| <b>Notification Date:</b>  | <b>Implementation Date:</b>   | <b>Product Family:</b>  | <b>Change Type:</b>  | <b>PCN #:</b> |
|--|---|-------------------------|--|---------------|
| 24 <sup>th</sup> August, 2021  | 24 <sup>th</sup> November, 2021   | Discrete Semiconductors | Additional Assembly/Test Site / Assembly Bill of Materials | <b>2522</b>   |
| <b>TITLE</b>   |   |                         |  |               |
| Qualification of Internal "Diodes Technology (Cheng Du) Company Limited" (CAT) as Additional Assembly/Test Site Using PdCu or Cu Bond Wire with Standardization of Assembly Bill of Materials 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 has qualified internal "Diodes Technology (Cheng Du) Company Limited" (CAT) located in Chengdu, China as additional Assembly/Test (A/T) site for select automotive products. Affected products will be manufactured with PdCu or Cu bond wire. Select products are also subject to standardization of assembly bill of materials including mold compound, die attach, and lead frames.</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure no change to device functionality or electrical specifications in the datasheet. Refer to the attached qualification report embedded in this file (to view, download this PCN file then open it with a PDF viewer to see the attached qual report).</p> |   |                         |  |               |
| <b>IMPACT</b>  |   |                         |  |               |
| Continuity of Supply. There will be no change to the Form, Fit or Function of products affected, unless specifically indicated, i.e. some packages will have top marking changes as outlined in Table 3 below. No change in datasheet electrical parameters and product performance.   |   |                         |  |               |
| <b>PRODUCTS AFFECTED</b>   |   |                         |  |               |
| Please see the attached part lists and top marking changes in the following Tables:<br>Table 1 – Add CAT as A/T site using PdCu or Cu bond wire.<br>Table 2 – Add CAT as A/T site using PdCu or Cu bond wire with standardization of assembly bill of materials<br>Table 3 – Marking Code Format Changes for affected packages   |   |                         |  |               |
| <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 of the posting of this notice, all changes described in this announcement are considered approved.  |   |                         |  |               |

**Table 1 - Add CAT as A/T site using PdCu or Cu bond wire**

|                  |                  |                  |                  |                 |                |
|------------------|------------------|------------------|------------------|-----------------|----------------|
| BZT585B2V4TQ-13* | BZT585B3V9TQ-13* | BZT585B5V6TQ-13* | BZT585B7V5TQ-13* | DMTH3004LFGQ-13 | DMTH3004LFGQ-7 |
| BZT585B3V6TQ-13* |                  |                  |                  |                 |                |

**Table 2 – Add CAT as A/T Site using PdCu or Cu bond wire with standardization of assembly bill of materials**

|                   |                 |                |                 |                |                  |
|-------------------|-----------------|----------------|-----------------|----------------|------------------|
| BZT52C3V6TQ-7-F** | DMG7430LFGQ-7   | DMN3018SFGQ-13 | DMN61D8LQ-7*    | DMP3008SFGQ-13 | DMP4025SFGQ-13   |
| BZT52C4V3TQ-7-F** | DMN10H170SFGQ-7 | DMN3018SFGQ-7  | DMN61D8LVTQ-13* | DMP3008SFGQ-7  | DMP4025SFGQ-7    |
| BZT52C5V1TQ-7-F** | DMN2005UFGQ-13  | DMN6013LFGQ-13 | DMN61D8LVTQ-7*  | DMP3017SFGQ-13 | DMP6023LFGQ-13   |
| DMG1029SVQ-7*     | DMN2005UFGQ-7   | DMN6013LFGQ-7  | DMN7022LFGQ-13  | DMP3017SFGQ-7  | DMP6023LFGQ-7    |
| DMG7401SFGQ-13    | DMN3008SFGQ-13  | DMN6069SFGQ-13 | DMN7022LFGQ-7   | DMP4013LFGQ-13 | DMS3014SFGQ-13** |
| DMG7401SFGQ-7     | DMN3008SFGQ-7   | DMN6069SFGQ-7  | DMP2006UFGQ-7   | DMP4013LFGQ-7  | DMS3014SFGQ-7**  |
| DMG7430LFGQ-13    | DMN3009SFGQ-7   | DMN61D8LQ-13*  |                 |                |                  |

Note: “\*\*” Change bond wire from Cu to PdCu

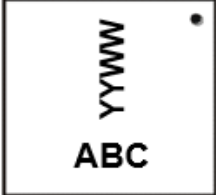
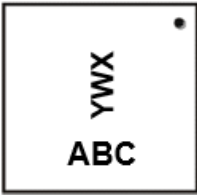
Note: “\*\*\*” Change bond wire from Au to PdCu

**Table 3: Marking Code Format Changes –**

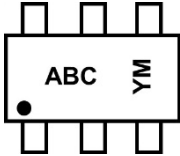
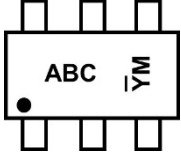
**SOD-523**

|   |   |
|---|---|
| <b>SAT (Diodes Internal Assembly &amp; Test site Shanghai, China)</b> | <b>CAT (Diodes Internal Assembly &amp; Test Site Chengdu, China)</b><br><u>Add bar “-” above first character for CAT site</u> |
| Marking format example  | Marking format example  |
|   |   |
| <br>$K / X = \text{Product Type Marking Code}$                        | <br>$\bar{K} / \bar{X} = \text{Product Type Marking Code}$  |

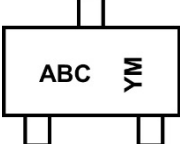
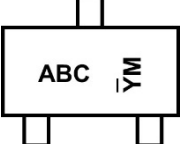
**PowerDI3333-8L**

|   |  |
|---|--|
| <b>SAT (Diodes Internal Assembly &amp; Test site Shanghai, China)</b>             | <b>CAT (Diodes Internal Assembly &amp; Test Site Chengdu, China)</b><br>Change from YYWW to YWX for CAT site |
| Marking format example  | Marking format example   |
|  |                           |

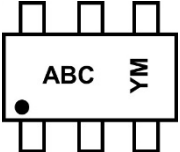
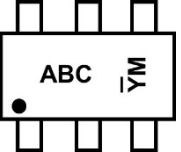
**SOT-563**

|   |   |
|---|---|
| <b>SAT (Diodes Internal Assembly &amp; Test site Shanghai, China)</b>             | <b>CAT (Diodes Internal Assembly &amp; Test Site Chengdu, China)</b><br>Add bar "-" above Year D/C for CAT site |
| Marking format example  | Marking format example  |
|  |                              |

**SSOT-23**

|   |   |
|---|---|
| <b>SAT (Diodes Internal Assembly &amp; Test site Shanghai, China)</b>               | <b>CAT (Diodes Internal Assembly &amp; Test Site Chengdu, China)</b><br>Add bar "-" above Year D/C for CAT site |
| Marking format example  | Marking format example  |
|  |                            |

**TSOT23-6**

|   |   |
|---|---|
| <b>SAT (Diodes Internal Assembly &amp; Test site Shanghai, China)</b>               | <b>CAT (Diodes Internal Assembly &amp; Test Site Chengdu, China)</b><br>Add bar "-" above Year D/C for CAT site |
| Marking format example  | Marking format example  |
|  |                            |