



DATE: 1 December, 2022

PCN #: 2557

PCN Title: Qualification of Additional Diodes Internal Assembly & Test Site (SAT)

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



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**PRODUCT CHANGE NOTICE****PCN-2557 REV 1**

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Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
1 December, 2022	1 March, 2023	Discrete Semiconductors	Additional Assembly & Test Site / Part Marking / POD	<b>2557</b>
TITLE				
Qualification of Additional Diodes Internal Assembly & Test Site (SAT)				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes has qualified internal assembly and test (A/T) site (SAT) located in Shanghai, China as an additional A/T site for select products listed below.</p> <p>The package will have marking and package outline dimension (POD) changes as listed in the tables below. No change in datasheet parameters and product performance.</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>				
IMPACT				
Continuity of Supply. There will be no change to the Function of products affected.				
PRODUCTS AFFECTED				
Please see the attached part lists in Table 1 below: Table 1 – Affected part list to add SAT as additional A/T site Table 2 – Part marking format Table 3 – Package outline dimensions (POD) changes				
WEB LINKS				
<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>			
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.</b>				

Table 1 - Affected part list to add SAT as additional A/T site					
DGD2003S8-13	DGD2181MS8-13	DGD2184MS8-13	DGD2190MS8-13		

**Table 2: Part marking format**

Baseline: TSHT (China)	Additional A/T site SAT (Diodes Internal A/T site Shanghai, China) Add “-” after W for SAT site
Marking format example	Marking format example
<p>A schematic diagram of a diode component with four pins on each side. The marking on the component is:           ☺             DGDxxxxx          YY WW          ○</p>	<p>A schematic diagram of a diode component with four pins on each side. The marking on the component is:           ☺             DGDxxxxx          YY WW-          ○</p>

**Table 3 – Package outline dimension (POD) changes**

Package	From : Before				Change To : After			
	Dim	Min	Max	Typ	Dim	Min	Max	Typ
<b>SO8</b>	SO-8 (Type TH)				SO-8 (Standard)			
	A	--	1.75	--	A	--	1.75	--
	A1	0.10	0.225	--	A1	0.10	0.250	--
	A2	1.30	1.50	1.40	A2	1.25	1.65	--
	A3	0.60	0.70	0.65	A3	0.50	0.70	--
	b	0.39	0.47	--	b	0.30	0.51	--
	c	0.20	0.24	--	c	0.15	0.25	--
	D	4.80	5.00	4.90	D	4.80	5.00	--
	E	5.80	6.20	6.00	E	5.80	6.20	6.00
	E1	3.80	4.00	3.90	E1	3.80	4.00	--
	e	--	--	1.27	e	--	--	1.27
	h	0.25	0.50	--	h	0.25	0.50	--
	L	0.50	0.80	--	L	0.45	0.82	--
	L1	--	--	1.05	L1	--	--	--
	Ø	0	8	--	Ø	0	8	--
<b>Package Dimension</b>	<b>SO-8 (Standard)</b>							