



DATE: 1st July, 2020

PCN #: 2458 – Rev 2

PCN Title: Qualification of Assembly & Test Site Transfer, and Additional
Assembly & Test Site for Select Discrete 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-2458 REV 2

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
1 st July, 2020	1 st October, 2020	Discrete Semiconductors	Assembly & Test Site Change / Part Top Marking	2458
TITLE				
Qualification of Assembly & Test Site Transfer, and Additional Assembly & Test Site for Select Discrete Products				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes Incorporated will transfer assembly and test of product listed in table 1 from “Tianshui Huatian Electronic Group Co., Ltd.” (HTME) in Tianshui China to “Huayi Microelectronics Co., LTD.” (HYME) in Xi’an China. Both sites are part of the “TSHT Electronics Group Co., LTD.” in Tianshui China.</p> <p>Diodes Incorporated has also qualified JCET (Jiangsu Changjiang Electronics Technology Co., LTD.) in Chuzhou, China as an additional assembly and test site for select products listed in table 2 below.</p> <p>The aforementioned manufacturing sites are existing, qualified suppliers of Diodes Incorporated.</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>Rev 2: Added Table 4 below identifying package outline dimension changes for SOT-23, SOT-323 and SOT-363 packages</p>				
IMPACT				
Continuity of Supply. No change in data sheet electrical parameters and product performance. Some packages will have top marking changes as outlined below.				
PRODUCTS AFFECTED				
<p>Please see the attached part list below in following Tables:</p> <p>Table 1 – New (transferred) Assembly and Test Site, HYME (Huayi Microelectronics Co., LTD. in Xi'an, China).</p> <p>Table 2 – Additional Assembly and Test Site, JCET (Jiangsu Changjiang Electronics Technology Co., LTD. in Chuzhou, China).</p> <p>Table 3 - Marking Code Formats</p> <p>Table 4 - Package outline dimension (POD) changes for SOT-23, SOT-323 and SOT-363 packages</p>				
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 - New (transferred) Assembly and Test Site, HYME (Huayi Microelectronics Co., LTD. in Xi'an, China)

DMT10H009LH3					
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Table 2 – Additional Assembly and Test Site, JCET (Jiangsu Changjiang Electronics Technology Co., LTD. in Chuzhou, China)

DMN31D5L-7	BSS84DW-7-F	DMN2004DWK-7	DMN3401LDW-13	DMN63D1LDW-7	DMP2305U-7
2N7002-13-F	BSS84W-7-F	DMN2004K-7	DMN3404L-7	DMN63D8L-13	DMP2900UW-7
2N7002-7-F	DMC2710UDW-7	DMN2004WK-7	DMN3731U-7	DMN63D8L-7	DMP3056L-13
2N7002A-7	DMC3401LDW-7	DMN2005K-7	DMN4035L-7	DMN63D8LDW-13	DMP3056L-7
2N7002DW-7-F	DMG1012UW-7	DMN2024U-7	DMN53D0L-13	DMN63D8LDW-7	DMP3068L-7
2N7002E-7-F	DMG1016UDW-7	DMN2040U-13	DMN53D0L-7	DMN63D8LW-13	DMP3098L-7
2N7002K-13	DMG2301L-13	DMN2040U-7	DMN53D0LDW-13	DMN63D8LW-7	DMP3099L-13
2N7002K-7	DMG2301L-7	DMN2041L-7	DMN53D0LDW-7	DMN65D8L-7	DMP3099L-7
2N7002W-7-F	DMG2301LK-7	DMN2046U-7	DMN53D0LW-7	DMN65D8LDW-7	DMP3125L-13
AZ23C5V1-7-F	DMG2301U-7	DMN2053U-13	DMN53D0U-13	DMN65D8LW-7	DMP3125L-7
AZ23C6V2-7-F	DMG2302U-7	DMN2053U-7	DMN53D0U-7	DMN66D0LDW-7	DMP3160L-7
BAS40-04-7-F	DMG2302UK-13	DMN2055U-13	DMN601DWK-7	DMN67D8L-7	DMP3165L-7
BAS70-04-7-F	DMG2302UK-7	DMN2056U-13	DMN601K-7	DMN67D8LDW-13	DMP31D7L-7
BAT54-7-F	DMG2305UX-13	DMN2056U-7	DMN601WK-7	DMN67D8LW-13	DMP4065S-13
BAT54A-7-F	DMG2305UX-7	DMN2058U-13	DMN6075S-13	DMN67D8LW-7	DMP4065S-7
BAT54C-7-F	DMG2307L-7	DMN2058U-7	DMN6075S-7	DMP10H4D2S-7	DMP510DL-7
BAT54S-7-F	DMG3402L-7	DMN2075U-7	DMN60H080DS-13	DMP2004K-7	DMP610DL-7
BSS123W-7-F	DMG3404L-7	DMN2310U-7	DMN60H080DS-7	DMP2035U-7	DMP6350S-13
BSS138-13-F	DMG3406L-13	DMN24H11DS-7	DMN6140L-13	DMP2045U-13	DMP6350S-7
BSS138-7-F	DMG3406L-7	DMN24H3D5L-13	DMN6140L-7	DMP2045U-7	DZ23C15-7-F
BSS138DW-7-F	DMG3414U-7	DMN24H3D5L-7	DMN62D0U-13	DMP2110U-7	MMBF170-13-F
BSS138K-13	DMG3418L-7	DMN3042L-13	DMN62D0U-7	DMP2120U-7	MMBF170-7-F
BSS138K-7	DMG3420U-7	DMN3042L-7	DMN62D0UDW-13	DMP2123L-7	MMBZ5234B-7-F
BSS138W-7-F	DMN10H220L-13	DMN30H4D0L-13	DMN62D0UDW-7	DMP2130L-7	MMBZ5245B-7-F
BSS8402DW-13-F	DMN10H220L-7	DMN30H4D0L-7	DMN62D0UW-13	DMP2160U-7	ZXMN2F34FHTA
BSS8402DW-7-F	DMN10H700S-13	DMN30H4D1S-7	DMN62D0UW-7	DMP2170U-7	ZXMN3F30FHTA
BSS84-13-F	DMN10H700S-7	DMN33D8LDW-13	DMN63D1L-13	DMP2215L-7	ZXMP3F30FHTA
BSS84-7-F	DMN13H750S-7	DMN33D8LDW-7	DMN63D1L-7		

Table 3 - Marking Code Formats

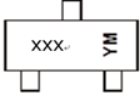
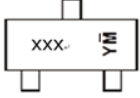
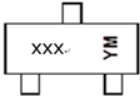
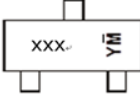
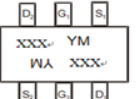
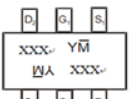
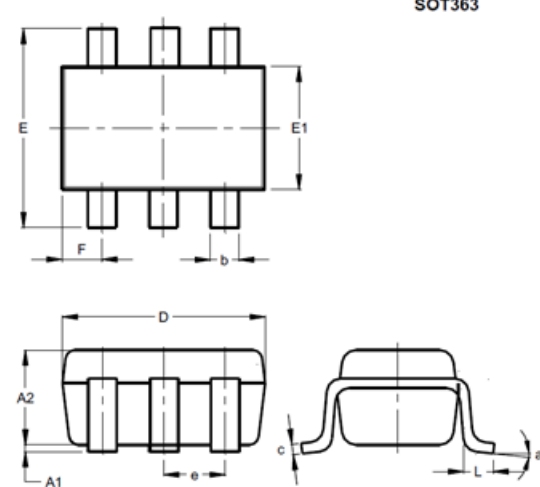
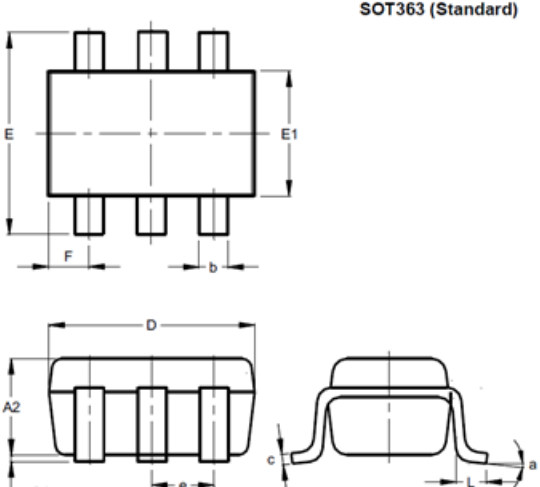
Package	Side by side comparison Logo/Marking																																																																																									
	Current Top Marking	New JCET Top Marking																																																																																								
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Table 4 – Package outline dimensions (POD) changes for SOT-23, SOT-323 and SOT-363 packages

	SOT-23 Package																																																																
Before Change	<p>SOT23</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="4" style="text-align: center;">SOT23</th> </tr> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> <th>Typ</th> </tr> </thead> <tbody> <tr><td>A</td><td>0.37</td><td>0.51</td><td>0.40</td></tr> <tr><td>B</td><td>1.20</td><td>1.40</td><td>1.30</td></tr> <tr><td>C</td><td>2.30</td><td>2.50</td><td>2.40</td></tr> <tr><td>D</td><td>0.89</td><td>1.03</td><td>0.915</td></tr> <tr><td>F</td><td>0.45</td><td>0.60</td><td>0.535</td></tr> <tr><td>G</td><td>1.78</td><td>2.05</td><td>1.83</td></tr> <tr><td>H</td><td>2.80</td><td>3.00</td><td>2.90</td></tr> <tr><td>J</td><td>0.013</td><td>0.10</td><td>0.05</td></tr> <tr><td>K</td><td>0.890</td><td>1.00</td><td>0.975</td></tr> <tr><td>K1</td><td>0.903</td><td>1.10</td><td>1.025</td></tr> <tr><td>L</td><td>0.45</td><td>0.61</td><td>0.55</td></tr> <tr><td>L1</td><td>0.25</td><td>0.55</td><td>0.40</td></tr> <tr><td>M</td><td>0.085</td><td>0.150</td><td>0.110</td></tr> <tr><td>a</td><td>0°</td><td>8°</td><td>--</td></tr> </tbody> </table> <p style="text-align: center; font-size: small;">All Dimensions in mm</p>	SOT23				Dim	Min	Max	Typ	A	0.37	0.51	0.40	B	1.20	1.40	1.30	C	2.30	2.50	2.40	D	0.89	1.03	0.915	F	0.45	0.60	0.535	G	1.78	2.05	1.83	H	2.80	3.00	2.90	J	0.013	0.10	0.05	K	0.890	1.00	0.975	K1	0.903	1.10	1.025	L	0.45	0.61	0.55	L1	0.25	0.55	0.40	M	0.085	0.150	0.110	a	0°	8°	--
SOT23																																																																	
Dim	Min	Max	Typ																																																														
A	0.37	0.51	0.40																																																														
B	1.20	1.40	1.30																																																														
C	2.30	2.50	2.40																																																														
D	0.89	1.03	0.915																																																														
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G	1.78	2.05	1.83																																																														
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