



DATE: April 9, 2021

PCN #: 2477 REV 3 – FINAL UPDATE

PCN Title: Additional Wafer Source (GFAB), Additional Assembly/Test (A/T) Site (SAT), and Transfer Assembly/Test Site to DIYI

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.

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-2477 REV 3 –  
FINAL UPDATE**

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
August 17, 2020	May 9, 2021	Discrete	Additional Wafer Source / Assembly and Test Site / Assembly BOM	2477
TITLE				
Additional Wafer Source (GFAB), Additional Assembly/Test (A/T) Site (SAT) and Transfer Assembly/Test Site to DIYI				
DESCRIPTION OF CHANGE				
<p>REV 3: This update provides a final listing of affected part numbers for which qualification is complete for the changes listed in the title of the tables below. All applicable qualification reports are attached (embedded in this file).</p> <p>For select part numbers, some planned changes previously announced in Rev 1 (Advance Notice) of this PCN will not be implemented under this PCN. Therefore, some part numbers were removed from this PCN (Table 5) compared to the initial Rev 1 of this PCN.</p> <p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes is qualifying an additional internal wafer source located in Greenock, Scotland (GFAB).</p> <p>Diodes Incorporated has qualified “Shandong DIYI Electronic Science and Technology Co., LTD.” (DIYI) in Shandong China and Diodes internal assembly and test site (SAT) in Shanghai, China as additional A/T sites.</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> <p>In conjunction with adding a wafer source (GFAB), assembly site (SAT), and transferring assembly and test site to DIYI, several additional changes will be implemented on select part numbers to ensure continuity of supply, to standardize manufacturing processes, and to enhance manufacturability. This includes alignment of wafer fab and assembly bill of material (BOM), i.e. wafer process metal system, mold compound, die attach type, bond wire material and/or wire diameter.</p>				
IMPACT				
<p>Continuity of Supply. There will be no change to the Form, Fit or Function of products affected, unless specifically indicated.</p> <p>No change in datasheet parameters and product performance.</p>				
PRODUCTS AFFECTED				
<p>Table 1: Additional wafer source (GFAB)            Table 2: Additional wafer source (GFAB) and transfer assembly and test site to DIYI            Table 3: Additional wafer source (GFAB) and assembly BOM change            Table 4: Additional wafer source (GFAB) and add Diodes internal SAT            Table 5: Parts removed from PCN-2477</p>				
WEB LINKS				



<b>Manufacturer's Notice:</b>	<a href="https://www.diodes.com/quality/product-change-notice/diodes-product-change-notice/">https://www.diodes.com/quality/product-change-notice/diodes-product-change-notice/</a>
<b>For More Information Contact:</b>	<a href="http://www.diodes.com/contacts.html">http://www.diodes.com/contacts.html</a>
<b>Data Sheet:</b>	<a href="http://www.diodes.com/catalog">http://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 - Additional Wafer Source (GFAB)					
1N5819HW1-7-F	B160AE-13	B250-13-F	B340A-13-G	BAS40-05-7-F*	BAT54WS-13-F
1N5819HW-7-F	B160AF-13	B250A-13-F	B340AE-13	BAS40-06-7-F*	BAT54WS-7-F*
B0520WS-7-F	B160B-13-F	B250AF-13	B340AF-13	BAS40-7-F*	BAT64C-7-F
B0530WS-13-F	B160S1F-7	B260-13-F	B340B-13-F	BAS70-04-7-F*	BAT64S-7-F
B0530WS-7-F	B170-13-F	B260A-13-F	B340CE-13	BAS70-05-7-F*	BAT64SW-7-F
B0540WS-7	B170B-13-F	B260AE-13	B340LA-13-F	BAS70-06-7-F*	BAT64W-7-F
B1100-13-F	B180-13-F	B260AF-13	B340LB-13-F	BAS70-7-F*	BAT750-7-F
B1100B-13-F	B180B-13-F	B260BE-13	B345AF-13	BAS70LP-7B*	BAT760-7
B1100LB-13-F	B190-13-F	B260S1F-7	B350-13-F	BAT1000-7-F	MBR0580S1-7
B120-13-F	B190B-13-F	B270-13-F	B350A-13-F	BAT42W-7-F*	MBR180S1-7
B120AF-13	B2100-13-F	B280-13-F	B350AF-13	BAT42WS-7-F*	MBR230S1F-7
B120B-13-F	B2100A-13-F	B280AE-13	B350B-13-F	BAT43W-7-F*	PD3S0230-7*
B130-13-F	B2100AE-13	B290-13-F	B360-13-F	BAT43WS-7-F*	PD3S120L-7
B130AF-13	B2100AF-13	B290AE-13	B360A-13-F	BAT54-13-F*	PD3S130H-7
B130B-13-F	B220-13-F	B3100-13-F	B360AE-13	BAT54-7-F*	PD3S130L-7
B130L-13-F	B220A-13-F	B3100B-13-F	B360AF-13	BAT54A-7-F*	PD3S140-7
B130LAW-7-F	B220AF-13	B3100BE-13	B360AM-13-F	BAT54AW-13-F*	PD3S160-7
B130LB-13-F	B230-13-F	B320-13-F	B360B-13-F	BAT54AW-7-F*	PD3S220L-7
B140-13-F	B230A-13-F	B320A-13-F	B370-13-F	BAT54AW-7-F-79*	PD3S230H-7
B140AF-13	B230AF-13	B320AE-13	B380-13-F	BAT54C-7-F*	PD3S230L-7
B140B-13-F	B240-13-F	B320AF-13	B380B-13-F	BAT54C-7-F-31*	PDS1040-13
B140HB-13-F	B240A-13-F	B320B-13-F	B390-13-F	BAT54CW-7-F*	PDS1040CTL-13
B140HW-7	B240AE-13	B330-13-F	B3L30LP-7	BAT54DW-7-F*	PDS1040L-13
B140S1F-7	B240AF-13	B330A-13-F	B520C-13-F	BAT54S-7-F*	PDS1040S-13
B150-13-F	B240LA-13-F	B330AF-13	B530C-13-F	BAT54S-7-F-31*	PDS1045-13
B150AF-13	B240S1F-7	B330B-13-F	B540C-13-F	BAT54SW-13-F*	PDS1240CTL-13
B150B-13-F	B240T-01DL-F	B340-13-F	B550C-13-F	BAT54SW-7-F*	PDS3100-13
B160-13-F	B245AF-13	B340A-13-F	B560C-13-F	BAT54W-7-F*	PDS3200-13

Table 1 Cont. - Additional Wafer Source (GFAB)					
PDS340-13	SDM1100S1F-7	SDT12A120P5-13	SDT20B100D1-13	SDT40A120CT	SDT5H100LP5-7
PDS360-13	SDM160S1F-7	SDT12A120P5-13D	SDT20G120D1-13	SDT40B100ST	SDT5H100LP5-7D
PDS4150-13	SDM1U100S1F-7	SDT12A120P5-7	SDT30100CT	SDT40H100CT	SDT5H100P5-13
PDS4200H-13	SDM20E40C-7-F	SDT15H100P5-13	SDT30100CTFP	SDT40H120CT	SDT5H100P5-7
PDS5100-13	SDM2100S1F-7	SDT15H100P5-7	SDT30100CTFP-S	SDT5100D1-13	SDT660VD1-13
PDS5100H-13	SDT10100CT	SDT15U120P5-13	SDT30100VCT	SDT5100LP5-13	SDT8A100P5-13
PDS540-13	SDT10100P5-13	SDT15U120P5-13D	SDT30120CT	SDT5100LP5-13D	SDT8A100P5-13D
PDS560-13	SDT10100P5-13D	SDT15U120P5-7	SDT30A100CT	SDT5100LP5-7	SDT8A100P5-7
PDS760-13	SDT10100P5-7	SDT20100CT	SDT30A120CT	SDT5100LP5-7D	SDT8A100P5-7D
PDS835L-13	SDT10A100CT	SDT20120CT	SDT30B100D1-13	SDT5A100P5-13	SDT8A120P5-13
PDS835L-7	SDT10A100P5-13	SDT20120VCT	SDT40100CT	SDT5A100P5-7D	SDT8A120P5-7D
SDM02M30CLP3-7B	SDT10A100P5-13D	SDT20A100CT	SDT40120CT	SDT5H100LP5-13	SDT8A60VP5-13
SDM02M30LP3-7B*	SDT10A100P5-7	SDT20A120CT	SDT40A100CT	SDT5H100LP5-13D	SDT8A60VP5-7
SDM02U30LP3-7B*	SDT10A100P5-7D	SDT20B100CT	SDT40A100VCT		

Note: "\*" Also affected by Phenitec Wafer Manufacturing Site Change announced via PCN 2461

Table 2 - Additional Wafer Source (GFAB) and Transfer Assembly and Test Site to DIYI					
1N5817-B**	SB1100-T**	SB160-T**	SB340-A	SB380-T	SB540-T
1N5817-T**	SB130-T**	SB180-T**	SB340-T	SB5100-T	SB550-T
1N5818-T**	SB140-T**	SB190-T**	SB360-A	SB520-T	SB560-A
1N5819-B**	SB150-T**	SB3100-T	SB360-T	SB530-T	SB560-T
1N5819-T**					

Note: "\*" Change package dimension as listed below (DO-41)

Package	From : Current Baseline	Change To : DIYI																																										
DO-41	<table border="1"> <thead> <tr> <th colspan="3">DO-41</th> </tr> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>25.4</td> <td>--</td> </tr> <tr> <td>B</td> <td>4.1</td> <td>5.2</td> </tr> <tr> <td>C</td> <td>0.71</td> <td>0.86</td> </tr> <tr> <td>D</td> <td>2</td> <td>2.7</td> </tr> <tr> <td colspan="3">All Dimensions in mm</td> </tr> </tbody> </table>	DO-41			Dim	Min	Max	A	25.4	--	B	4.1	5.2	C	0.71	0.86	D	2	2.7	All Dimensions in mm			<table border="1"> <thead> <tr> <th colspan="3">DO-41</th> </tr> <tr> <th>Dim</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>25.4</td> <td>--</td> </tr> <tr> <td>B</td> <td>4.1</td> <td>5.2</td> </tr> <tr> <td>C</td> <td>0.6</td> <td>0.8</td> </tr> <tr> <td>D</td> <td>2</td> <td>2.7</td> </tr> <tr> <td colspan="3">All Dimensions in mm</td> </tr> </tbody> </table>	DO-41			Dim	Min	Max	A	25.4	--	B	4.1	5.2	C	0.6	0.8	D	2	2.7	All Dimensions in mm		
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**Table 3 - Additional Wafer Source (GFAB) and Assembly BOM Change**

1N5711W-7-F	BAS40V-7*	BAT46W-7-F	BAT54TW-7-F*	DFLS260-7	SDM20N40A-7
1N5711WS-7-F	BAS40W-04-7-F*	BAT54-7-F-79*	BAT54V-7*	QSG0115UDJ-7***	SDM20U30-7*
1N6263W-7-F	BAS40W-05-7-F*	BAT54A-13-F*	BAT54W-13-F*	SD101AW-7-F	SDM20U30LP-7*
B0520LW-7-F*	BAS40W-06-7-F*	BAT54A-7-F-79*	BAT54WS-7-F-79*	SD101AWS-7-F	SDM40E20LA-7
B0520WS-7-F-79	BAS40W-13-F*	BAT54ADW-7-F*	BAT54WT-7*	SD101BW-7-F	SDM40E20LC-7*
B0530W-7-F	BAS40W-7-F*	BAT54AT-7-F*	BAT750TA	SD101BWS-7-F	SDM40E20LS-7-F*
B0540W-7-F	BAS70-04T-7-F*	BAT54ATA*	BAT760-7-79	SD101CW-7-F	ZHCS1000TA
B130LAW-7-F-79	BAS70-05T-7-F*	BAT54BRW-7-F*	DFLS1100-7	SD101CWS-7-F	ZHCS1000TC
B140WS-7	BAS70-06T-7-F*	BAT54C-7-F-79*	DFLS1150-7	SD103ASDM-7-F*	ZHCS2000TA
BAS40-04-7-F*	BAS70BRW-7-F*	BAT54CDW-7-F*	DFLS1200-7	SD103ATW-7-F*	ZHCS350TA
BAS40-04T-7-F*	BAS70DW-04-7-F*	BAT54CT-7-F*	DFLS120L-7	SD103AW-13-F*	ZHCS400TA
BAS40-05-13-F*	BAS70DW-05-7-F*	BAT54CTA*	DFLS130-7	SD103AW-7-F*	ZHCS400TC
BAS40-05T-7-F*	BAS70DW-06-7-F*	BAT54CW-13-F*	DFLS130L-7	SD103AWS-7-F*	ZHCS500TA
BAS40-06-13-F*	BAS70JW-7-F*	BAT54JW-7-F*	DFLS140-7	SD103BW-7-F*	ZHCS506TA
BAS40-06T-7-F*	BAS70T-7-F*	BAT54LP-7*	DFLS140L-7	SD103BWS-7-F*	ZHCS750TA
BAS40BRW-7-F*	BAS70TW-13-F*	BAT54LP-7B*	DFLS160-7	SD103CW-13-F*	ZLLS1000TA
BAS40DW-04-7-F*	BAS70TW-7-F*	BAT54LPS-7*	DFLS2100-7	SD103CW-7-F*	ZLLS2000TA
BAS40DW-05-7-F*	BAS70W-04-7-F*	BAT54S-7-F-79*	DFLS220L-7	SD103CWS-7-F*	ZLLS350TA
BAS40DW-06-7-F*	BAS70W-05-7-F*	BAT54SDW-7-F*	DFLS230-7	SD107WS-7-F*	ZLLS400TA
BAS40LP-7*	BAS70W-06-7-F*	BAT54ST-7-F*	DFLS230L-7	SDM100K30L-7	ZLLS400TC
BAS40LP-7B*	BAS70W-7-F*	BAT54STA*	DFLS230LH-7	SDM10K45-7-F*	ZLLS410TA
BAS40T-7-F*	BAT400D-7-F	BAT54T-7-F*	DFLS240-7	SDM1100LP-7***	ZLLS500TA
BAS40TW-7-F*	BAT42W-7-F-79*	BAT54TA*	DFLS240L-7	SDM1M40LP8-7***	

Note: “\*” Also affected by Phenitec Wafer Manufacturing Site Change announced via PCN 2461

Note: “\*\*\*\*” change bond wire from Cu to Au

**Table 4 - Additional Wafer Source (GFAB) and Add Diodes internal SAT**

SDT10100CTFP	SDT20120CTFP	SDT20A60VCT	SDT30120CTFP	SDT30A120CTFP	SDT40A60VCT
SDT10A100CTFP	SDT2060VCT	SDT20A60VCTFP	SDT3060VCT	SDT40100CTFP	SDT40A60VCTFP
SDT10A60VCT	SDT20A100CTFP	SDT20B100CTFP	SDT3060VCTFP	SDT40120CTFP	SDT40H100CTFP
SDT10A60VCTFP	SDT20A120CTFP	SDT20B60VCT	SDT30A100CTFP	SDT40A100CTFP	SDT40H120CTFP
SDT20100CTFP					

**Table 5 - Parts Removed from PCN-2477**

MBR10100CTF-G1	MBR20200CT-G1	MBRB10200CT	MBRD20200CT-13	SDM1A40CSP-7	SDM2U40EP3-7
MBR10100CT-G1	MBR2045CTF-G1	MBRB10200CT-13	SDM01U50CP3-7	SDM1L20DCP3-7	SDM4A30EP3-7B
MBR10150CTF-G1	MBR2045CT-G1	MBRB20100CT	SDM02A20CP4-7	SDM1L30CSP-7	SDM4A40EP3-7B
MBR10150CT-G1	MBR2060CTF-G1	MBRB20100CT-13	SDM02A30CP4-7	SDM1U20CSP-7	SDT20100CTB-13
MBR10200CTF-G1	MBR2060CT-G1	MBRB20150CT	SDM02L30CP3-7	SDM1U30CP3-7	SDT30100CTE
MBR10200CT-G1	MBR30100CTF-G1	MBRB20150CT-13	SDM02M30DCP3-7	SDM1U40CSP-7	SDT30100CTFP-H
MBR1060CTF-G1	MBR30100CT-G1	MBRB20200CT	SDM02U30CSP-7	SDM2A20CSP-7	SDT30A100CTE
MBR1060CT-G1	MBR3045CTF-G1	MBRB20200CT-13	SDM05A30CP3-7	SDM2A40CSP-7B	SDT40A100CTE
MBR20100CTF-G1	MBR3045CT-G1	MBRD10100CT-13	SDM05U20CSP-7	SDM2U20CSP-7	SDT40A120CTE
MBR20100CT-G1	MBRB10100CT	MBRD10150CT-13	SDM05U20S3-7	SDM2U20SD3-7	SDT5A100SAF-13
MBR20150SCTF-G1	MBRB10100CT-13	MBRD10200CT-13	SDM05U40CSP-7	SDM2U30CSP-7	SDT5A100SB-13
MBR20150SCT-G1	MBRB10150CT	MBRD20100CT-13	SDM1A30CSP-7	SDM2U30CSP-7B	SDT5H100SB-13
MBR20200CTF-G1	MBRB10150CT-13	MBRD20150CT-13	SDM1A40CP3-7	SDM2U40CSP-7B	SDT60100CTB-13