



ADVANCE NOTICE - PRODUCT CHANGE NOTICE PCN-2477 REV 1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
August 17, 2020	Expected: December 31, 2020	Discrete	Additional Wafer Source / Assembly and Test Site / Assembly BOM	2477
TITLE				
Additional Wafer Source (GFAB), and Transfer Assembly and Test Site to DiYi				
DESCRIPTION OF CHANGE				
<p>This advance 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 is also qualifying an additional assembly and test site to transfer DO packaged products listed in table 2 to "Shandong DIYI Electronic Science and Technology Co., LTD." (DIYI) in Shandong China.</p> <p>Full electrical characterization and high reliability testing is ongoing on representative products to ensure there is no change to device functionality or electrical specifications in the datasheet.</p> <p>In conjunction with adding a wafer source 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> <p>Please note that date mentioned above is a best estimate derived from close coordination activities with our fab. Specific implementation dates may change depending on completion of various qualifications over the next few months. The final PCN is expected to be issued by December 1, 2020 once qualification has been completed.</p>				
IMPACT				
<p>Continuity of Supply. There will be no change to the Form, Fit or Function of products affected, unless specifically indicated (change to package dimension specification for DO-41 packaged products).</p> <p>No change in datasheet parameters and product performance.</p>				
PRODUCTS AFFECTED				
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				
WEB LINKS				
Manufacturer's Notice:	https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/			
For More Information Contact:	http://www.diodes.com/contacts.html			
Data Sheet:	http://www.diodes.com/catalog			

Table 1 - Additional Wafer Source (GFAB)

1N5819HW1-7-F	B190B-13-F	B320AE-13	B560C-13-F	BAT64C-13-F	MRB10100CT-13
1N5819HW-7-F	B2100-13-F	B320AF-13	BAS40-05-7-F*	BAT64C-7-F	MRB10150CT
B0520WS-7-F	B2100A-13-F	B320B-13-F	BAS40-06-7-F*	BAT64CW-13-F	MRB10150CT-13
B0530WS-13-F	B2100AE-13	B330-13-F	BAS40-7-F*	BAT64CW-7-F	MRB10200CT
B0530WS-7-F	B2100AF-13	B330A-13-F	BAS70-04-7-F*	BAT64S-13-F	MRB10200CT-13
B0540WS-7	B220-13-F	B330AF-13	BAS70-05-7-F*	BAT64S-7-F	MRB20100CT
B1100-13-F	B220A-13-F	B330B-13-93-F	BAS70-06-7-F*	BAT64SW-13-F	MRB20100CT-13
B1100B-13-F	B220AF-13	B330B-13-F	BAS70-7-F*	BAT64SW-7-F	MRB20150CT
B1100LB-13-F	B230-13-F	B340-13-F	BAS70LP-7B*	BAT64W-13-F	MRB20150CT-13
B120-13-F	B230A-13-F	B340A-13-F	BAT1000-7-F	BAT64W-7-F	MRB20200CT
B120AF-13	B230AF-13	B340A-13-G	BAT42W-7-F*	BAT750-7-F	MRB20200CT-13
B120B-13-F	B240-13-F	B340AE-13	BAT42WS-7-F*	BAT760-7	MRD10100CT-13
B130-13-F	B240A-13-F	B340AF-13	BAT43W-7-F*	MBR0580S1-7	MRD10150CT-13
B130AF-13	B240AE-13	B340B-13-F	BAT43WS-7-F*	MBR10100CTF-G1	MRD10200CT-13
B130B-13-F	B240AF-13	B340CE-13	BAT54-13-F*	MBR10100CT-G1	MRD20100CT-13
B130L-13-F	B240LA-13-F	B340LA-13-F	BAT54-7-F*	MBR10150CTF-G1	MRD20150CT-13
B130LAW-7-F	B240S1F-7	B340LB-13-F	BAT54A-7-F*	MBR10150CT-G1	MRD20200CT-13
B130LB-13-F	B240T-01DL-F	B345AF-13	BAT54AW-13-F*	MBR10200CTF-G1	PD3S0230-7*
B140-13-F	B245AF-13	B350-13-F	BAT54AW-7-F*	MBR10200CT-G1	PD3S120L-7
B140AF-13	B250-13-F	B350A-13-F	BAT54AW-7-F-79*	MBR1060CTF-G1	PD3S130H-7
B140B-13-F	B250A-13-F	B350AF-13	BAT54C-7-F*	MBR1060CT-G1	PD3S130L-7
B140HB-13-F	B250AF-13	B350B-13-F	BAT54C-7-F-31*	MBR180S1-7	PD3S140-7
B140HW-7	B260-13-F	B360-13-F	BAT54CW-7-F*	MBR20100CTF-G1	PD3S160-7
B140S1F-7	B260A-13-F	B360A-13-F	BAT54DW-7-F*	MBR20100CT-G1	PD3S220L-7
B150-13-F	B260AE-13	B360AE-13	BAT54S-7-01-F*	MBR20150SCTF-G1	PD3S230H-7
B150AF-13	B260AF-13	B360AF-13	BAT54S-7-F*	MBR20150SCT-G1	PD3S230L-7
B150B-13-F	B260BE-13	B360AM-13-F	BAT54S-7-F-31*	MBR20200CTF-G1	PDS1040-13
B160-13-F	B260S1F-7	B360B-13-F	BAT54SW-13-F*	MBR20200CT-G1	PDS1040CTL-13
B160-13-F-73	B270-13-F	B370-13-F	BAT54SW-7-F*	MBR2045CTF-G1	PDS1040L-13
B160AE-13	B280-13-F	B380-13-F	BAT54W-7-F*	MBR2045CT-G1	PDS1040S-13
B160AF-13	B280AE-13	B380B-13-F	BAT54WS-13-F	MBR2060CTF-G1	PDS1045-13
B160B-13-F	B290-13-F	B390-13-F	BAT54WS-7-F*	MBR2060CT-G1	PDS1240CTL-13
B160S1F-7	B290AE-13	B3L30LP-7	BAT64-13-F	MBR230S1F-7	PDS3100-13
B170-13-F	B3100-13-F	B520C-13-F	BAT64-7-F	MBR30100CTF-G1	PDS3200-13
B170B-13-F	B3100B-13-F	B530C-13-F	BAT64A-13-F	MBR30100CT-G1	PDS340-13
B180-13-F	B3100BE-13	B540C-13-93-F	BAT64A-7-F	MBR3045CTF-G1	PDS360-13
B180B-13-F	B320-13-F	B540C-13-F	BAT64AW-13-F	MBR3045CT-G1	PDS4150-13
B190-13-F	B320A-13-F	B550C-13-F	BAT64AW-7-F	MRB10100CT	PDS4200H-13

Table 1 - Additional Wafer Source (GFAB)

PDS5100-13	SDM1L20DCP3-7	SDT10A100P5-13D	SDT20A100CTFP	SDT40100CT	SDT5A100P5-7D
PDS5100H-13	SDM1L30CSP-7	SDT10A100P5-7	SDT20A120CT	SDT40100CTFP	SDT5A100SAF-13
PDS5100H-13D	SDM1U100S1F-7	SDT10A100P5-7D	SDT20A120CTFP	SDT40120CT	SDT5A100SB-13
PDS540-13	SDM1U20CSP-7	SDT10A60VCT	SDT20A60VCT	SDT40120CTFP	SDT5H100LP5-13
PDS540-13D	SDM1U30CP3-7	SDT10A60VCTFP	SDT20A60VCTFP	SDT40A100CT	SDT5H100LP5-13D
PDS560-13	SDM1U40CSP-7	SDT12A120P5-13	SDT20B100CT	SDT40A100CTE	SDT5H100LP5-7
PDS760-13	SDM20E40C-7-F	SDT12A120P5-13D	SDT20B100CTFP	SDT40A100CTFP	SDT5H100LP5-7D
PDS835L-13	SDM2100S1F-7	SDT12A120P5-7	SDT20B100D1-13	SDT40A100VCT	SDT5H100P5-13
PDS835L-7	SDM2A20CSP-7	SDT12A120P5-7D	SDT20B60VCT	SDT40A120CT	SDT5H100P5-13D
SDM01U50CP3-7	SDM2A40CSP-7B	SDT15H100P5-13	SDT20B60VCTFP	SDT40A120CTE	SDT5H100P5-7
SDM02A20CP4-7	SDM2U20CSP-7	SDT15H100P5-13D	SDT20G120D1-13	SDT40A120CTFP	SDT5H100P5-7D
SDM02A30CP4-7	SDM2U20SD3-7	SDT15H100P5-7	SDT30100CT	SDT40A120VCT	SDT5H100SB-13
SDM02L30CP3-7	SDM2U30CSP-7	SDT15H100P5-7D	SDT30100CTE	SDT40A60VCT	SDT60100CTB-13
SDM02M30CLP3-7B	SDM2U30CSP-7B	SDT15U120P5-13	SDT30100CTFP	SDT40A60VCTFP	SDT660VD1-13
SDM02M30DCP3-7	SDM2U40CSP-7B	SDT15U120P5-13D	SDT30100CTFP-H	SDT40B100ST	SDT8A100P5-13
SDM02M30LP3-7B*	SDM2U40EP3-7	SDT15U120P5-7	SDT30100CTFP-S	SDT40H100CT	SDT8A100P5-13D
SDM02U30CSP-7	SDM4A30EP3-7B	SDT15U120P5-7D	SDT30100VCT	SDT40H100CTFP	SDT8A100P5-7
SDM02U30LP3-7B*	SDM4A40EP3-7B	SDT20100CT	SDT30120CT	SDT40H120CT	SDT8A100P5-7D
SDM05A30CP3-7	SDT10100CT	SDT20100CTB-13	SDT30120CTFP	SDT40H120CTFP	SDT8A120P5-13
SDM05U20CSP-7	SDT10100CTFP	SDT20100CTFP	SDT3060VCT	SDT5100D1-13	SDT8A120P5-13D
SDM05U20S3-7	SDT10100P5-13	SDT20100VCT	SDT3060VCTFP	SDT5100LP5-13	SDT8A120P5-7
SDM05U40CSP-7	SDT10100P5-13D	SDT20120CT	SDT30A100CT	SDT5100LP5-13D	SDT8A120P5-7D
SDM1100S1F-7	SDT10100P5-7	SDT20120CTFP	SDT30A100CTE	SDT5100LP5-7	SDT8A60VP5-13
SDM160S1F-7	SDT10100P5-7D	SDT20120VCT	SDT30A100CTFP	SDT5100LP5-7D	SDT8A60VP5-13D
SDM1A30CSP-7	SDT10A100CT	SDT2060VCT	SDT30A120CT	SDT5A100P5-13	SDT8A60VP5-7
SDM1A40CP3-7	SDT10A100CTFP	SDT2060VCTFP	SDT30A120CTFP	SDT5A100P5-13D	SDT8A60VP5-7D
SDM1A40CSP-7	SDT10A100P5-13	SDT20A100CT	SDT30B100D1-13	SDT5A100P5-7	

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

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	BAS40W-04-7-F*	BAT46W-7-F	BAT54TW-7-F*	DFLS260-7	SDM20N40A-7
1N5711WS-7-F	BAS40W-05-7-F*	BAT54-7-F-79*	BAT54V-7*	QSG0115UDJ-7****	SDM20U30-7*
1N6263W-7-F	BAS40W-06-7-F*	BAT54A-13-F*	BAT54W-13-F*	SD101AW-7-F	SDM20U30LP-7*
B0520LW-7-F*	BAS40W-13-F*	BAT54A-7-F-79*	BAT54WS-7-F-79*	SD101AWS-7-F	SDM40E20LA-7
B0520WS-7-F-79	BAS40W-7-F*	BAT54ADW-7-F*	BAT54WT-7*	SD101BW-7-F	SDM40E20LC-7*
B0530W-7-F	BAS70-04T-7-F*	BAT54AT-7-F*	BAT64T5-7-F	SD101BWS-7-F	SDM40E20LS-7-F*
B0540W-7-F	BAS70-05T-7-F*	BAT54ATA*	BAT750TA	SD101CW-7-F	ZHCS1000TA
B130LAW-7-F-79	BAS70-06T-7-F*	BAT54BRW-7-F*	BAT760-7-79	SD101CWS-7-F	ZHCS1000TC
B140WS-7	BAS70BRW-7-F*	BAT54C-7-F-79*	DFLS1100-7	SD103ASDM-7-F*	ZHCS2000TA
BAS40-04-7-F*	BAS70DW-04-13-F*	BAT54CDW-7-F*	DFLS1150-7	SD103ATW-7-F*	ZHCS350TA
BAS40-04T-7-F*	BAS70DW-04-7-F*	BAT54CT-7-F*	DFLS1200-7	SD103AW-13-F*	ZHCS400TA
BAS40-05-13-F*	BAS70DW-05-7-F*	BAT54CTA*	DFLS120L-7	SD103AW-7-F*	ZHCS400TC
BAS40-05T-7-F*	BAS70DW-06-7-F*	BAT54CW-13-F*	DFLS130-7	SD103AWS-7-F*	ZHCS500TA
BAS40-06-13-F*	BAS70JW-7-F*	BAT54JW-7-F*	DFLS130L-7	SD103BW-7-F*	ZHCS506TA
BAS40-06T-7-F*	BAS70T-7-F*	BAT54LP-7*	DFLS140-7	SD103BWS-7-F*	ZHCS750TA
BAS40BRW-7-F*	BAS70TW-13-F*	BAT54LP-7B*	DFLS140L-7	SD103CW-13-F*	ZLLS1000TA
BAS40DW-04-7-F*	BAS70TW-7-F*	BAT54LPS-7*	DFLS160-7	SD103CW-7-F*	ZLLS2000TA
BAS40DW-05-7-F*	BAS70W-04-7-F*	BAT54S-7-F-79*	DFLS2100-7	SD103CWS-7-F*	ZLLS350TA
BAS40DW-06-7-F*	BAS70W-05-7-F*	BAT54SDW-7-F*	DFLS220L-7	SD107WS-7-F*	ZLLS400TA
BAS40LP-7*	BAS70W-06-7-F*	BAT54ST-7-F*	DFLS230-7	SDM100K30L-7	ZLLS400TC
BAS40LP-7B*	BAS70W-7-F*	BAT54STA*	DFLS230L-7	SDM10K45-7-F*	ZLLS410TA
BAS40T-7-F*	BAT1000-7-01-F	BAT54SW-7-01-F*	DFLS230LH-7	SDM1100LP-7***	ZLLS500TA
BAS40TW-7-F*	BAT400D-7-F	BAT54T-7-F*	DFLS240-7	SDM1A40LP8-7***	ZLLS500TC
BAS40V-7*	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