DATE: 10/11/2024

PCN #: 2695

PCN Title: Additional Wafer Source (JKFAB), AT Site (JCET), BOM and POD

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 notification by contacting your local Diodes sales representative. If you require samples for evaluation purposes, please submit a corresponding request within 30 days as well. Otherwise, samples may not be built prior to the implementation of the announced change(s).

The change(s) announced in this PCN will not be implemented prior to the target implementation date, i.e. 90 days from the stated notification date, unless Diodes receives written customer approval before that date.

Previously agreed upon customer specific product and/or process change 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-2695-REV1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
10/11/2024	01/10/2025	Analog	Additional Wafer Source, AT Site, BOM, POD.	**2695**

TITLE

Additional Wafer Source (JKFAB), AT Site (JCET), BOM and POD

DESCRIPTION OF CHANGE

This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes Incorporated has qualified additional internal wafer source (JKFAB) located in HsinChu, Taiwan. Diodes has also qualified additional A/T Site JCET Group Co., Ltd. (JCET) located in Suqian, China and Wuxi Hongguang Microelectronics Co., Ltd (WXHG) located in Wuxi City, China.

The JCET site will have a Package Outline Dimension (POD) Change as referenced in Table 2A.

Diodes has also made die revision change, a change to resistor size/length for improved temperature performance. Also qualified additional Bill of Material (BOM) polyimide to PAM8945PJR for improved package robustness.

Full electrical characterization and reliability testing have been completed on representative part numbers to ensure there is no change to product reliability, device functionality or electrical specifications in the datasheet.

IMPACT

Continuity of Supply - There will be no change to the Form, Fit, or Function of affected products unless specified in Table 2A.

PRODUCTS AFFECTED

Table 1 - Additional Wafer Source (JKFAB) and AT Site (WXHG) and Bill Of Material (BOM) - Die Revision

Table 2 - Additional AT Site (JCET) with Package Outline Dimension Change (POD) – Table 2A

Table 3 - Additional Bill Of Material (BOM) - Polyimide

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 from the notification date of this PCN, all changes described in this announcement are considered approved.

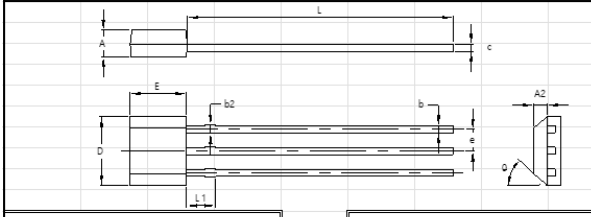
Table 1 - Additional Wafer Source (JKFAB) and AT Site (WXHG) and Bill Of Material (BOM) - Die Revision					
AS7805AT-E1					

Table 2 - Additional AT Site (JCET) with Package Outline Dimension Change (POD) – Table 2A					
AH49EZ3-G1	AH49FZ3-G1	AH49HZ3-G1	AH9246-P-B	AH9247Z3-G1	AH9251-P-B

Table 3 - Additional Bill Of Material (BOM) - Polyimide					
PAM8945PJR					

Table 2A

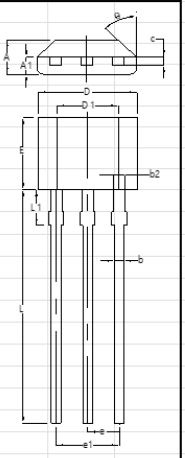
Old POD (Huada)



TO92S (TYPE A)			
Dim	Min	Max	Typ
A	1.48	1.68	-
A2	0.71	0.81	-
b	-	-	0.44
c	-	-	0.38
D	4	4.2	-
E	3.08	3.28	-
e	-	-	1.27
L	13.5	14.5	-
L1	2.2	2.4	-
θ	44°	46°	-
All Dimensions in mm			

TO92S (TYPE B)			
Dim	Min	Max	Typ
A	1.42	1.62	-
A2	-	-	0.75
b	0.36	0.48	-
b2	0.38	0.55	-
c	0.36	0.51	-
D	3.85	4.15	-
E	2.9	3.31	-
e	-	-	1.27
L	14	15.5	-
L1	-	-	1.6
θ	44°	46°	-
All Dimensions in mm			

New POD (JCET)



TO92S (TYPE CJ)			
Dim	Min	Max	Typ
A	1.42	1.62	--
A1	0.66	0.86	--
b	0.33	0.48	--
b2	0.4	0.51	--
c	0.33	0.51	--
D	3.9	4.1	--
D1	2.28	2.68	--
E	3.05	3.25	--
e	--	--	1.27
e1	2.44	2.64	--
L	15.1	15.5	--
L1	1.6 REF		
θ	--	--	45°
All Dimensions in mm			