



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN#20200814001.1
New Tray for Select Devices
Final Change Notification**

Date: September 14, 2020
To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

Texas Instruments requires acknowledgement of receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If samples or additional data are required, requests must be received within **30 days** of this notification.

The changes discussed within this PCN will not take effect any earlier than the proposed first ship date on Page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice or to provide acknowledgement of this PCN, you may contact your local Field Sales Representative or the PCN Team ([PCN ww admin team@list.ti.com](mailto:PCN_admin_team@list.ti.com)). For sample requests or sample related questions, contact your local Field Sales Representative.

Sincerely,

PCN Team
SC Business Services

20200814001.1
Attachment: 1




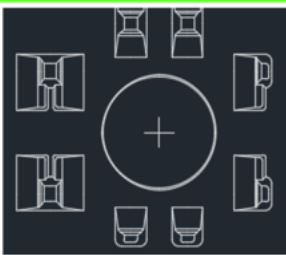



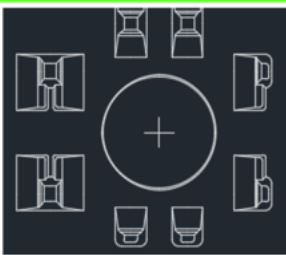



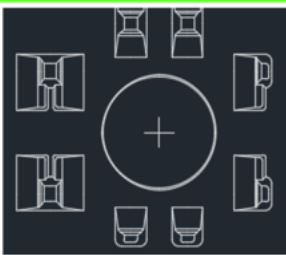
Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE
D81YK113DZKB5

CUSTOMER PART NUMBER
D81YK113DZKB5

Technical details of this Product Change follow on the next page(s).

PCN Number:	20200814001.1		PCN Date:	Sept. 14, 2020																									
Title:	New Tray for Select Devices																												
Customer Contact:	PCN Manager		Dept:	Quality Services																									
Proposed 1st Ship Date:	Dec. 14, 2020																												
Change Type:																													
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site																								
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material																								
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process																								
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site																								
<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials																								
				<input type="checkbox"/>	Wafer Fab Process																								
PCN Details																													
Description of Change:																													
<p>Texas Instruments is pleased to announce the qualification of a new tray for the devices listed below. A comparison summary of the tray differences as follows:</p> <p>Tray Comparison Tables:</p> <table border="1"> <thead> <tr> <th colspan="2">PROBLEM (FROM)</th> <th colspan="2">SOLUTION (TO)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>4221716-0001</td> <td></td> <td>4225531-0001</td> </tr> <tr> <td>Supplier</td> <td>UBOT</td> <td>Peak</td> <td></td> </tr> <tr> <td>Cavity size (live bug)</td> <td>17.3</td> <td>17.4</td> <td></td> </tr> <tr> <td>Seating ht</td> <td>1.75 (Top) 0.65 (Bottom)</td> <td>1.49 (Top) 1.19 (Bottom)</td> <td></td> </tr> </tbody> </table>						PROBLEM (FROM)		SOLUTION (TO)							4221716-0001		4225531-0001	Supplier	UBOT	Peak		Cavity size (live bug)	17.3	17.4		Seating ht	1.75 (Top) 0.65 (Bottom)	1.49 (Top) 1.19 (Bottom)	
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Engineering Validation Results – 17x17 PBGA

	CURRENT TRAY			PROPOSED TRAY			REMARKS
Items	4221716-0001			4225531-0001			
Description	DIM	MAX	MIN	DIM	MAX	MIN	
Overall Length	322.6	322.85	322.35	322.6	322.85	322.35	NO CHANGE
Layout Length	315.0	315.25	314.75	315.0	315.25	314.75	NO CHANGE
Layout Width	135.9	136.15	135.65	135.9	136.15	135.65	NO CHANGE
Layout Length on Top Stack frame	311.15	311.40	311.02	311.15	311.40	311.02	NO CHANGE
Layout Width on Top Stack frame	132.08	132.33	131.95	132.08	132.33	131.95	NO CHANGE
Layout Length on Bottom Stack frame	311.66	311.91	311.53	311.66	311.91	311.53	NO CHANGE
Layout Width on Bottom Stack frame	132.59	132.84	132.46	132.59	132.84	132.46	NO CHANGE
End Tab Length	92.1	92.35	91.85	92.1	92.35	91.85	NO CHANGE
Overall Height	7.62	7.75	7.49	7.62	7.75	7.49	NO CHANGE
Stack Height	1.27	1.40	1.14	1.27	1.40	1.14	NO CHANGE
Tray Matrix No.	6x15			6x15			NO CHANGE
Pitch M	19.20	19.33	19.07	19.20	19.33	19.07	NO CHANGE
Pitch M3	19.50	19.63	19.37	19.50	19.63	19.37	NO CHANGE
Pitch M1	21.00	21.13	20.87	21.00	21.13	20.87	NO CHANGE
Pitch M2	19.50	19.63	19.37	19.50	19.63	19.37	NO CHANGE
Cavity Size - Live Bug	17.30	17.4	17.2	17.40	17.48	17.32	CHANGE
Cavity Size - Dead Bug	17.30	17.38	17.22	17.30	17.38	17.22	NO CHANGE
Package seating height (Top)	1.75	1.83	1.67	1.49	1.59	1.39	CHANGE
Package seating height (Bottom)	0.65	0.73	0.57	1.19	1.29	1.09	CHANGE

Reason for Change:

New tray offers improved centering of device in tray pocket

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

None

Changes to product identification resulting from this PCN:

New tray

Product Affected:

AM1707DZKB3	D81YK113DZKB5	OMAPL137DZKBT3	TMS320C6727BZDHMUD
AM1707DZKB4	D830K003DZKB300	SP6727BZDH3SABT	TMS320C6743DZKBT3
AM1707DZKBA3	D830K003DZKB400	SP6727BZDH3SBTE	TMS320C6747DZKB3
AM1707DZKBD4	D830K013DZKB400	TMS320C28342ZFET	TMS320C6747DZKB4
D710E001BZDH275	D830K013DZKB400Z	TMS320C28344ZFET	TMS320C6747DZKBA3
D790E001BZDH275	D830K013DZKB456	TMS320C28345ZFET	TMS320C6747DZKBD4
D790E001BZDH300	D830K023DZKB456	TMS320C28346ZFET	TMS320C6747DZKBT3
D790E001BZDH300Z	DEC43001ZFET	TMS320C6727BGDH300	TMS320SP6727BZDH
D810K003DZKBT300	DEC63001ZFET	TMS320C6727BGDH350	TMSDC6727BGDHA250
D810K013DZKB400	OMAPL137DZKB3	TMS320C6727BZDH250	TMSDC6727BZDHA250
D810K013DZKB456	OMAPL137DZKB4	TMS320C6727BZDH275	
D810K023DZKB456	OMAPL137DZKBA3	TMS320C6727BZDH300	
D81YK113DZKB400	OMAPL137DZKBD4	TMS320C6727BZDH350	

Fit Analysis:

PACKAGE	NOMINAL TRAY vs NOMINAL PACKAGE	MINIMUM TRAY vs MAXIMUM PACKAGE	MAXIMUM TRAY vs MINIMUM PACKAGE
ZKB			
ZEP , ZFE			
ZDH, GDH, GDJ, ZDJ			

REMARKS:

- X and Y clearance is less than 0.5 mm
- Rotation angle is less than 10 degrees

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN_ww_admin_team@list.ti.com

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