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:			

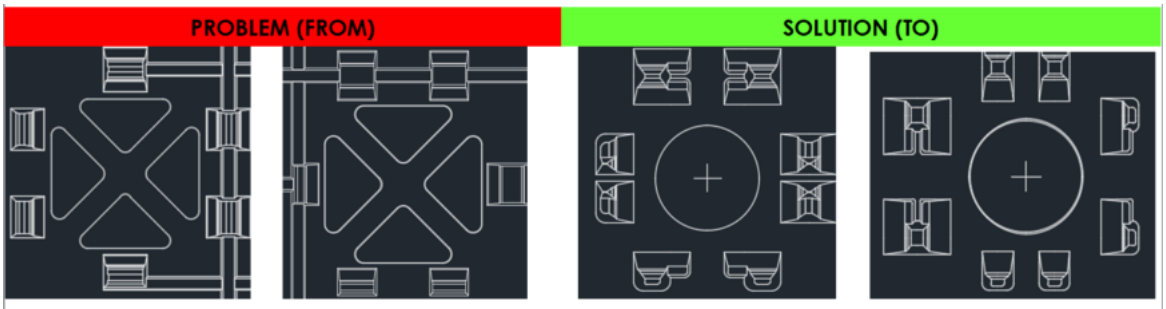
☐	Assembly Site	☐	Design	☐	Wafer Bump Site
☐	Assembly Process	☐	Data Sheet	☐	Wafer Bump Material
☐	Assembly Materials	☐	Part number change	☐	Wafer Bump Process
☐	Mechanical Specification	☐	Test Site	☐	Wafer Fab Site
☒	Packing/Shipping/Labeling	☐	Test Process	☐	Wafer Fab Materials
				☐	Wafer Fab Process

PCN Details

Description of Change:

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:

Tray Comparison Tables:



	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)

Engineering Validation Results – 17x17 PBGA

Items	CURRENT TRAY 4221716-0001			PROPOSED TRAY 4225531-0001			REMARKS
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
Overal 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

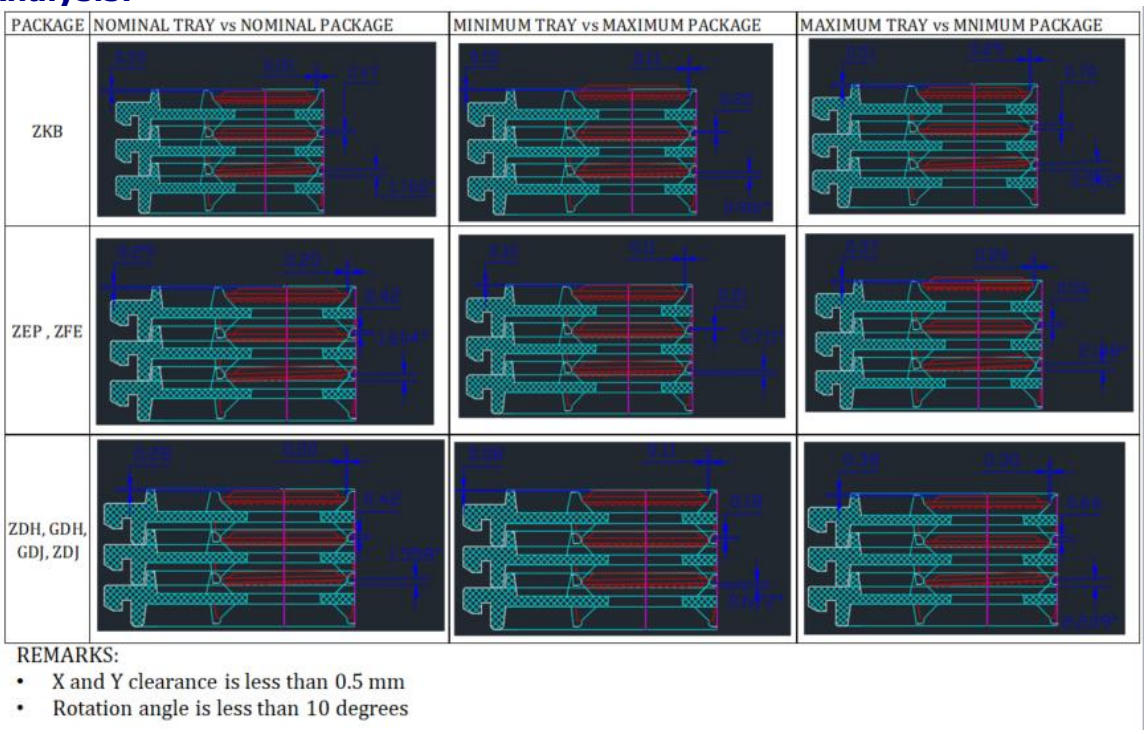
Changes to product identification resulting from this PCN:

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:



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

TI’s products are provided subject to TI’s Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI’s provision of these resources does not expand or otherwise alter TI’s applicable warranties or warranty disclaimers for TI products.