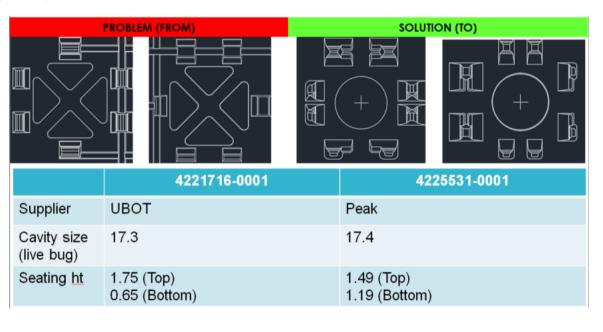
PCN Nu	20200814001.1				F	PCN Date: Sept. 14, 2020		Sept. 14, 2020			
Title: New Tray for Select Devices											
Custom	PCN Manager			Dept:		Quality Services					
Propose	ate:	te: Dec. 14, 2020									
Change	Type:										
Assembly Site				Design					Wafer Bump Site		
Ass		Data She			eet			r Bump Material			
Assembly Materials				Part number change					Wafer Bump Process		
Mechanical Specification			Test Site					Wafer Fab Site			
□ Packing/Shipping/Labeling			ing	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:



Engineering Validation Results – 17x17 PBGA

	CUR	RENT T	'RAY	PROPOSED TRAY			
Items	422	1716-0	001	4225531-0001			REMARKS
Description	DIM MAX		MIN	DIM	MAX	MIN	KEMAKKS
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	
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

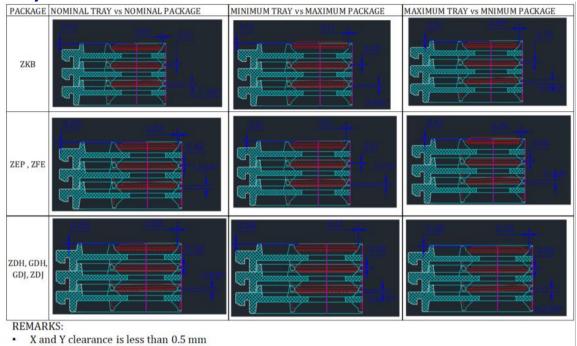
Changes to product identification resulting from this PCN:

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:



Rotation angle is less than 10 degrees

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