

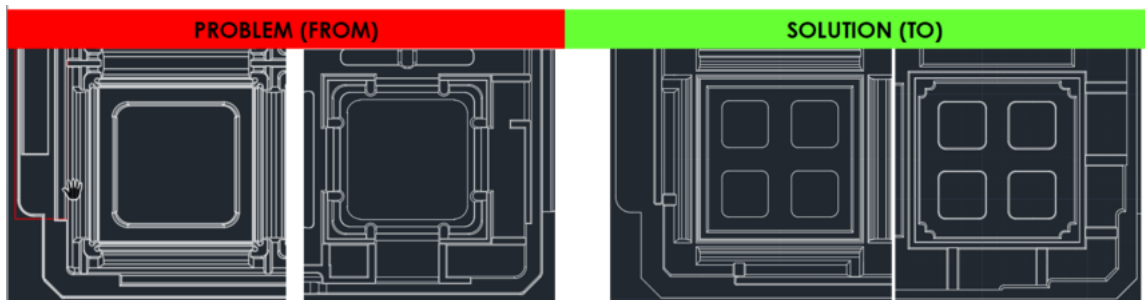
<b>PCN Number:</b>	20200630000.1	<b>PCN Date:</b>	July 30, 2020
<b>Title:</b>	New Tray for Select Devices		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Oct. 30, 2020		
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	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:



	4221844-0001	4225532-0001
Supplier	UBOT	Peak
Floor design	Square circular edge	Square with 4 small square
Cavity size	26.46 +/- 0.1 (Top) 24.30 +/- 0.1 (Bottom)	26.25 +/- 0.08 (Top) 24.40 +/- 0.1 (Bottom)
Seating ht	1.80 +/- 0.08 (Top) 0.97 +/- 0.08 (Bottom)	1.70 +/- 0.1 (Top) 1.10 +/- 0.1 (Bottom)

## Engineering Validation Results – 24x24x1.4 LQFP

Items Description	4221844-0001 (UBoT)			4225532-001(PEAK)			REMARKS
	DIM	Upper Limits	Lower Limits	DIM	Upper Limits	Lower Limits	
Overall Length	322.6	322.85	322.35	322.6	322.85	322.35	SAME
Layout Length	315.0	315.25	314.75	315.0	315.25	314.75	SAME
Layout Width	135.9	136.15	135.65	135.9	136.15	135.65	SAME
Layout Length on Top Stack frame	311.15	311.40	311.02	311.15	311.40	311.02	SAME
Layout Width on Top Stack frame	132.08	132.33	131.95	132.08	132.33	131.95	SAME
Layout Length on Bottom Stack frame	311.66	311.91	311.53	311.66	311.91	311.53	SAME
Layout Width on Bottom Stack frame	132.59	132.84	132.46	132.59	132.84	132.46	SAME
End Tab Length	92.1	92.35	91.85	92.1	92.35	91.85	SAME
Overall Height	7.62	7.75	7.49	7.62	7.75	7.49	SAME
Stack Height	1.27	1.40	1.14	1.27	1.40	1.14	SAME
Tray Matrix No.	4x10			4x10			SAME
Pitch M	20.70	20.83	20.57	20.70	20.83	20.57	SAME
Pitch M3	31.50	31.75	31.25	31.50	31.75	31.25	SAME
Pitch M1	20.70	20.95	20.45	20.70	20.95	20.45	SAME
Pitch M2	30.40	30.65	30.15	30.40	30.65	30.15	SAME
Live bug fence to fence	26.46	26.56	26.36	26.25	26.33	26.17	CHANGE
Dead bug fence to fence	24.30	24.40	24.20	24.40	24.50	24.30	CHANGE
Package seating height (Top)	1.80	1.88	1.72	1.70	1.80	1.60	CHANGE
Package seating height (Bottom)	0.97	1.05	0.89	1.1	1.2	1.00	CHANGE

### Reason for Change:

New tray offers improvement on tray warpage, chipping, stuck up caused by current tray

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

None

### Changes to product identification resulting from this PCN:

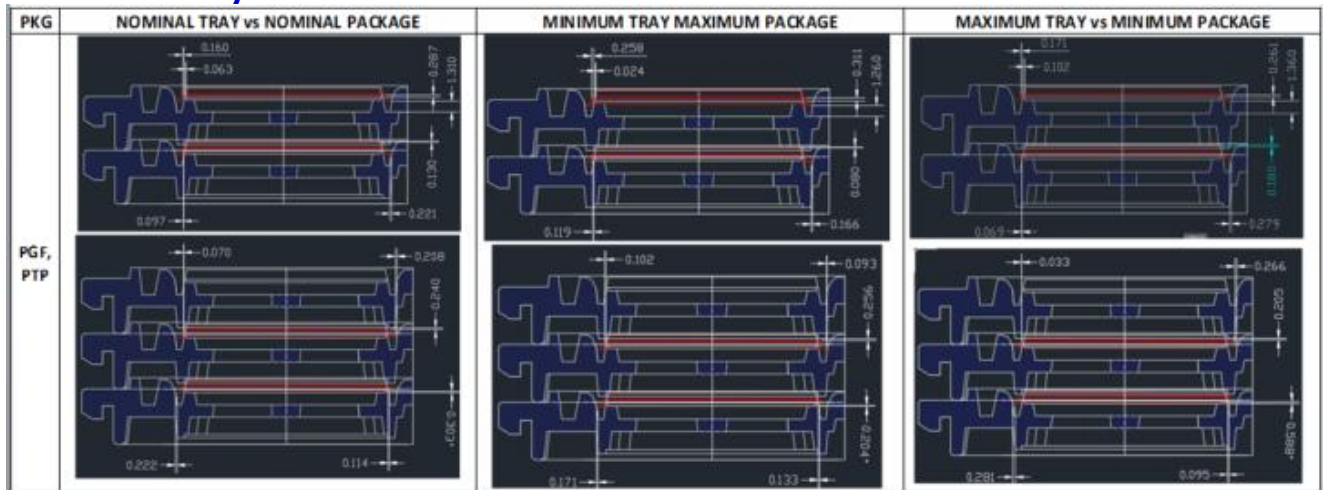
New tray

### Product Affected:

AM1705DPTP3	SBF28377DPTPT	TMS320F28235PTPS	TMS320F28377SPTPS
AM1705DPTP4	SM320F28335PTPS	TMS320F28332PGFA	TMS320F28377SPTPT
AM1705DPTPA3	SN0502071PGFG4	TMS320F28332PTPS	TMS320F28378DPTPS
AM1705DPTPD4	TMS320ACLPGF	TMS320F28333PGFA	TMS320F28378SPTPS
D805K003DPTP266	TMS320C6743DPTP2	TMS320F28334PGFA	TMS320F28379DPTPS
D807K013DPTP266	TMS320C6743DPTP3	TMS320F28334PTPS	TMS320F28379DPTPT
D808K003DPTP300	TMS320C6745DPTP3	TMS320F28335PGFA	TMS320F28379SPTPS
D808K003DPTP456	TMS320C6745DPTP4	TMS320F28335PTPS	TMS320F28379SPTPT
D808K003DPTPT300	TMS320C6745DPTPA3	TMS320F28374DPTPS	TMS320F2837HDPTPS
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D808K013DPTP400	TMS320C6745DPTPT3	TMS320F28374SPTPS	TMS320F28475DPTPT
D808K013DPTP456	TMS320F28075PTPS	TMS320F28374SPTPT	TMS320R2812PGFA
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D808K013DPTPT300	TMS320F28076PTPS	TMS320F28375DPTPT	TMS320VC5441PGF
D808K013DPTPT400	TMS320F2807NPTPT	TMS320F28375SPTPS	TMS320VC5501PGF300
D808K023DPTP400	TMS320F2812PGFA	TMS320F28375SPTPT	TMS320VC5502PGF200
D80YK113DPTP400	TMS320F2812PGFS	TMS320F28376DPTPS	TMS320VC5502PGF300
D80YK113DPTP5	TMS320F28232PGFA	TMS320F28376DPTPT	TSB12LV21BPGF
DH808K003DPTP300	TMS320F28232PTPS	TMS320F28376SPTPS	TSB43CB43APGF
OMAPL137BPTPH	TMS320F28234PGFA	TMS320F28376SPTPT	

PCI2250PGF	TMS320F28234PTPS	TMS320F28377DPTPS	
SBF28375DPTPT	TMS320F28235PGFA	TMS320F28377DPTPT	

**Device Fit Analysis:**



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

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