



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN#20200630000.2
New Tray for Select LQFP Devices
Final Change Notification

Date: July 30, 2020
To: Newark/Farnell 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). For sample requests or sample related questions, contact your local Field Sales Representative.

Sincerely,

PCN Team
SC Business Services

20200630000.2
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	CUSTOMER PART NUMBER
TMS320F2812PGFQ	null
TMS320F28335PTPQ	null

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

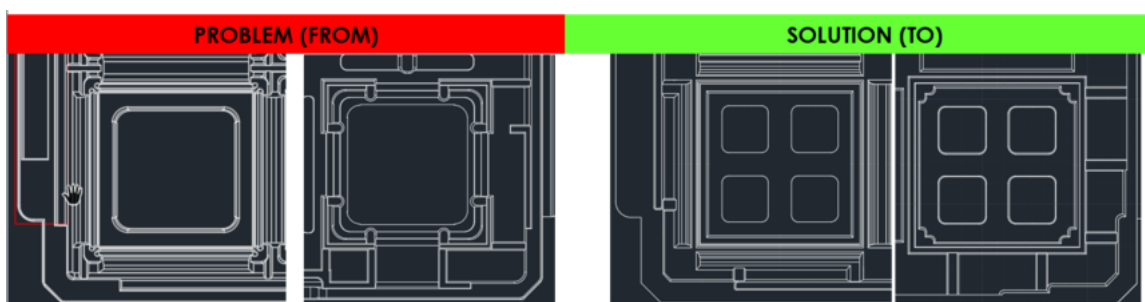
PCN Number:	20200630000.2	PCN Date:	July 30, 2020
Title:	New Tray for Select Devices		
Customer Contact:	PCN Manager	Dept:	Quality Services
Proposed 1st Ship Date:	Jan. 30, 2021		
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly 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

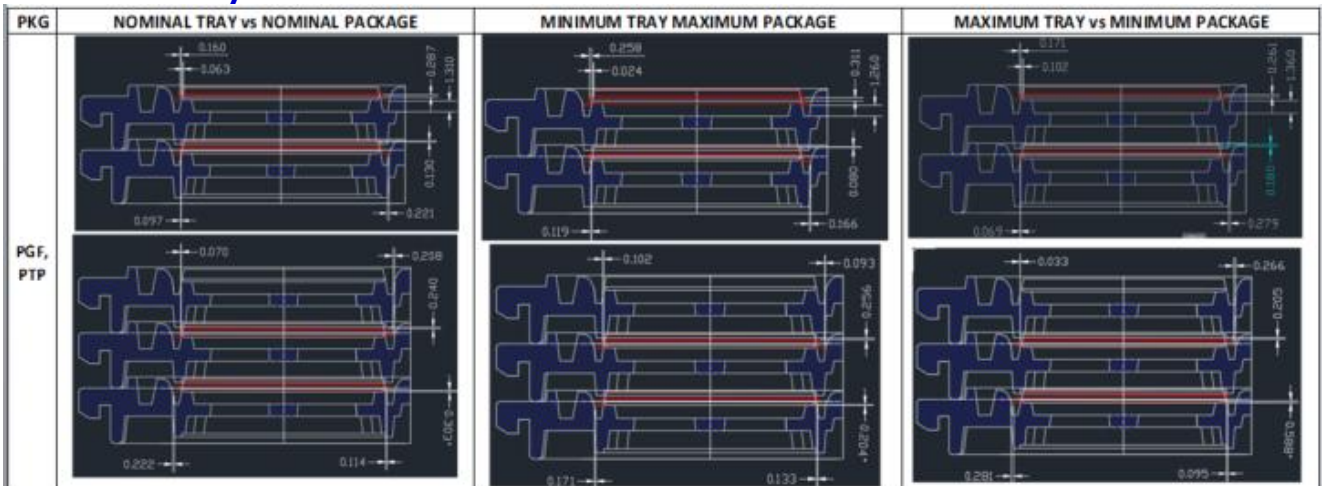
Changes to product identification resulting from this PCN:

New tray

Product Affected:

D808K003DPTPT400	DRH401BIPTPQ1	TMS320F2812PGFQ	TMS320F28377SPTPQ
DRA402BIPTPQ1	DRH404BIPTPQ1	TMS320F28232PTPQ	TMS320F28379DPTPQ
DRA402CIPTPQ1	DRH404CIPTPQ1	TMS320F28234PTPQ	TMS320F28379SPTPQ
DRA403CIPTPQ1	SM320F2812PGFMEP	TMS320F28235PTPQ	TMS320R2812PGFQ
DRA404BIPTPQ1	SM320F28335PTPMEP	TMS320F28335PTPQ	TSB12LV21BMPGFEP
DRA404CIPTPQ1	TMS320F28075PTPQ	TMS320F28377DPTPEP	
DRA414CIPTPQ1	TMS320F28076PTPQ	TMS320F28377DPTPQ	

Device 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

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