



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**PCN#20150324000  
New trays for 12x12x1.4 Select LQFP Devices  
Final Change Notification**

**Date:** 3/25/2015  
**To:** MOUSER PCN

Dear Customer:

This is an announcement of 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. The proposed first ship date is indicated on page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

If samples or additional data are required, requests must be received within 30 days of acknowledgement as samples are not built ahead of the change. You may contact the PCN Manager or your local Field Sales Representative to acknowledge this PCN and request samples or additional data.

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, contact your local Field Sales Representative or the PCN Manager ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

**20150324000**  
**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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
TMS320F28030PNQ	null
TMS320F28034PNQ	null
TMS320F28035PNQ	null

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

<b>PCN Number:</b>	20150324000		<b>PCN Date:</b>	03/25/2015
<b>Title:</b>	New trays for 12x12x1.4 Select LQFP Devices			
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>		<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	09/25/2015	<b>Estimated Sample Availability:</b>	03/11/2014	
<b>Change Type:</b>				
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>
<input type="checkbox"/>	Test Site	<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material	<input type="checkbox"/>
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>
		<input type="checkbox"/>	Part number change	



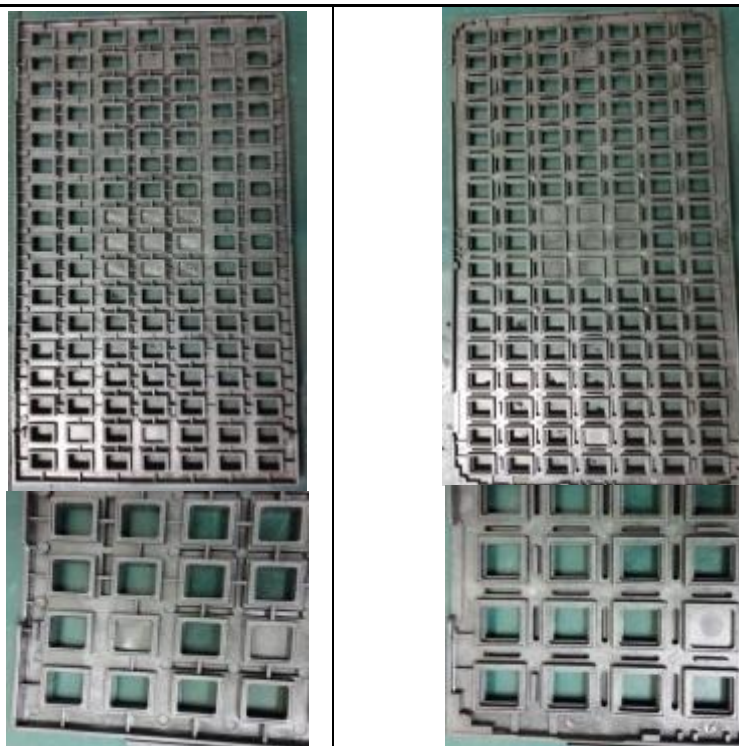
PCN Details		
Description of Change:		
<p>Texas Instruments is pleased to announce the qualification of a new improved tray for the devices listed below. A comparison summary is below:</p>		
What	From	To
Stock #/Supplier	4046035/Peak	4221976/Daewon
Weight	162g	155g
Temperature Rating	180C	150C
Color	Grayish-Black	Black
Raw Material	Polyether Sulfone (PES)	Modified Poly Phenylene Oxide (MPPO)
Pedestal Design	Slope - Chamfer	Slope - Fillet
Photo (Top)		

Photo (Bottom)



#### Dimensional Comparison:

Items Description	4046035-0001 (PEAK)			DAEWON			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	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	132.05	132.30	131.92	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	132.56	132.81	132.43	132.59	132.84	132.46	NO CHANGE
End Tab Length	92.10	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.	7x17			7x17			NO CHANGE
Pitch M	13.95	14.08	13.82	13.95	14.08	14.21	NO CHANGE
Pitch M3	18.00	18.13	17.87	18.00	18.13	18.26	NO CHANGE
Pitch M1	14.30	14.43	14.17	14.30	14.43	14.56	NO CHANGE
Pitch M2	17.90	18.03	17.77	17.90	18.03	18.16	NO CHANGE
Cavity Size	14.60	14.73	14.47	14.10	14.23	13.97	CHANGE
Pedestal Design	slope- chamfer			slope-fillet			CHANGE
Package seating height (Top)	1.70	1.75	1.65	1.70	1.8	1.6	CHANGE
Package seating height (Bottom)	1.15	1.1	1.20	1.15	1.05	1.25	CHANGE

#### Reason for Change:

Reduction of misalignment and standardization

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

None

Changes to product identification resulting from this PCN:				
New tray				
Product Affected:				
TMS320F28030PNQ	TMS320F28034PNQ	TMS320F28052FPNQ	TMS320F28054FPNQ	
TMS320F28031PNQ	TMS320F28035PNQ	TMS320F28052MPNQ	TMS320F28054MPNQ	
TMS320F28032PNQ	TMS320F28050PNQ	TMS320F28052PNQ	TMS320F28054PNQ	
TMS320F28033PNQ	TMS320F28051PNQ	TMS320F28053PNQ	TMS320F28055PNQ	

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

Location	E-Mail
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>