

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

PCN Details

Description of Change:

Texas Instruments is pleased to announce the qualification of a new improved tray for the devices listed below. A comparison summary is below:



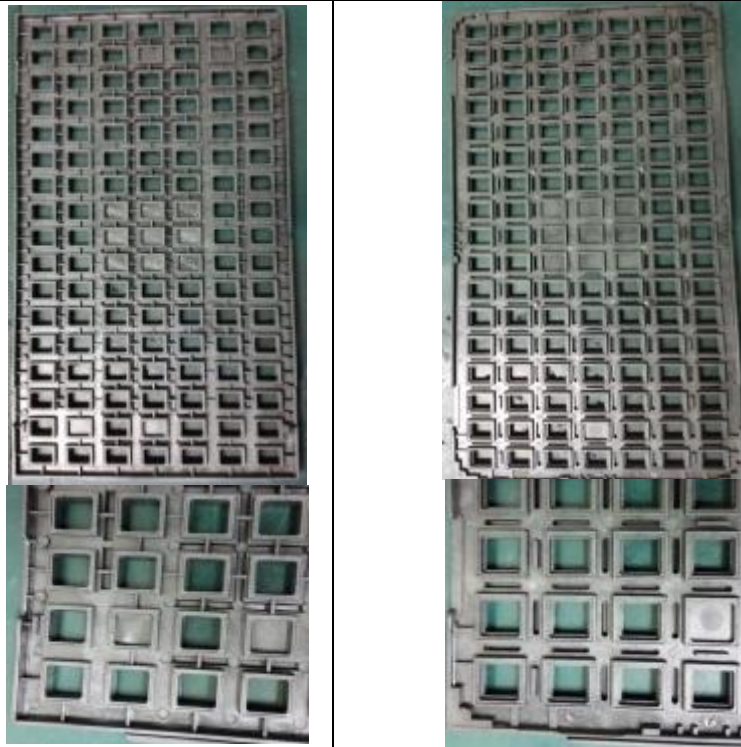
What	From	To
Stock #/Supplier	4046035/Peak	4221976/Daewon
Weight	162g	155g
Temperature Rating	180C	150C
Color	Grayish-Black	Black
Raw Material	Polyether Sulfone (PES)	Modified Poly Phenylene Oxide (MPPO)
Pedestal Design	Slope - Chamfer	Slope - Fillet
Photo (Top)		

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	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com