



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN#20160627002
New trays for Select Devices
Final Change Notification**

Date: 6/29/2016
To: TOKYO ELECTRON DEVICE (DSTR) 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.

We request you acknowledge 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 you require additional data to support your evaluation, please request within 30 days.

The changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. This notification period is per TI's standard process.

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).

Sincerely,

PCN Team
SC Business Services

20160627002
Attachment: 1

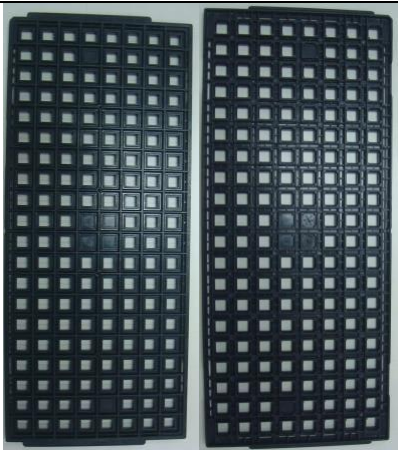
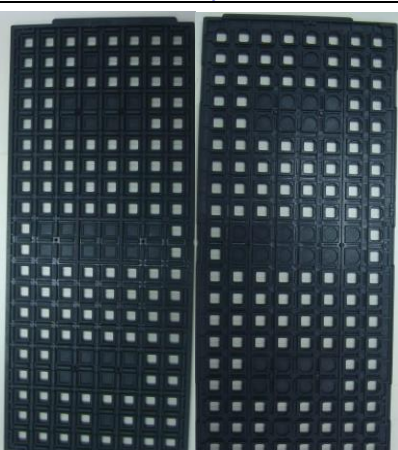
Products Affected:

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
MSP430F248TPM	null
MSP430F425IPM	null
MSP430F2481TPM	null
MSP430F247TPM	null
TL16CP754CPM	null
TM4C123AH6PMI7	null
MSP430V174IPM	null
TM4C123AH6PMI	null

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

PCN Number:	20160627002		PCN Date:	06/29/2016
Title:	New trays for Select Devices			
Customer Contact:	PCN Manager	Dept:	Quality Services	
Proposed 1st Ship Date:	09/29/2016			
Change Type:				
<input type="checkbox"/> Assembly Site	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Assembly Materials		
<input type="checkbox"/> Design	<input type="checkbox"/> Electrical Specification	<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"/> Wafer Bump Site	<input type="checkbox"/> Wafer Bump Material	<input type="checkbox"/> Wafer Bump Process		
<input type="checkbox"/> Wafer Fab Site	<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Wafer Fab Process		
	<input type="checkbox"/> Part number change			

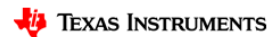
PCN Details																				
Description of Change:																				
<p>Texas Instruments is pleased to announce the qualification of a new improved tray for the devices listed below. A comparison summary of the differences is below:</p> <p>10 x 10 x 1.4 LQFP Tray Change</p> <table border="1"> <thead> <tr> <th>What</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>Stock #/Supplier</td> <td>4202820/PEAK</td> <td>4222097/Peak</td> </tr> <tr> <td>Weight</td> <td>150 grams</td> <td>160 grams</td> </tr> <tr> <td>Raw Material</td> <td>MPPE</td> <td>MPPO</td> </tr> <tr> <td>Fence</td> <td>Chamfer</td> <td>Fillet</td> </tr> <tr> <td>Pocket Design</td> <td>Pedestal</td> <td>Slope</td> </tr> </tbody> </table> <div> <div>Picture</div> <div>   </div> </div>			What	From	To	Stock #/Supplier	4202820/PEAK	4222097/Peak	Weight	150 grams	160 grams	Raw Material	MPPE	MPPO	Fence	Chamfer	Fillet	Pocket Design	Pedestal	Slope
What	From	To																		
Stock #/Supplier	4202820/PEAK	4222097/Peak																		
Weight	150 grams	160 grams																		
Raw Material	MPPE	MPPO																		
Fence	Chamfer	Fillet																		
Pocket Design	Pedestal	Slope																		

DIMENSION COMPARISON (mm):

	CURRENT TRAY			PROPOSED TRAY			
Items	4202820-0001 (PEAK)			4222097-0001 (PEAK)			REMARKS
Description	DIM	MAX	MIN	DIM	MAX	MIN	
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	132.08	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
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.	8X20			8X20			NO CHANGE
Pitch M	13	13.13	12.87	13	13.13	12.87	NO CHANGE
Pitch M3	15.7	15.83	15.57	15.7	15.83	15.57	NO CHANGE
Pitch M1	13.1	13.23	12.97	13.1	13.23	12.97	NO CHANGE
Pitch M2	15.2	15.33	15.07	15.2	15.33	15.07	NO CHANGE
Distance of tray singulation from corner of tray	34.3	34.55	34.05	34.3	34.55	34.05	NO CHANGE
Tray singulation width	25.4	25.65	25.15	25.4	25.65	25.15	NO CHANGE
Tray Lifting surface height	2.54	2.67	2.41	2.54	2.67	2.41	NO CHANGE
Cavity Size - Live Bug Length	9.93	9.98	9.88	9.93	9.98	9.88	NO CHANGE
Cavity Size - Live Bug Width	9.93	9.98	9.88	9.93	9.98	9.88	NO CHANGE
Cavity Size - Dead Bug Length	11.1	11.23	10.97	10.2	10.33	10.07	CHANGE
Cavity Size - Dead Bug Width	11.1	11.23	10.97	10.2	10.33	10.07	CHANGE
Package seating height (Top)	1.7	1.78	1.62	1.7	1.8	1.6	CHANGE
Package seating height (Bottom)	1.1	1.18	1.02	1.1	1.2	1	CHANGE

REMARKS:
Cavity size at the bottom and package seating height are the only difference.

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Reason for Change:

Quality Improvement

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

None

Changes to product identification resulting from this PCN:

New tray

Product Affected:

ADS8555SPM	MSP430F415IPM	MSP430V320SPM	TM4C1233D5PMI
ADS8555SPMR	MSP430F417IPM	MSP430V346SPM	TM4C1233E6PMI
LX4F110E5QRFIGB0	MSP430F423AIPM	MSP430V346SPMR	TM4C1233E6PMI7
LX4F230H5QRFIGB0	MSP430F423IPM	MSP430V407SPMR	TM4C1233H6PMI
LX4F231H5QRFIGB0	MSP430F425AIPM	SC4CC231E6PMI	TM4C1233H6PMI7
MSP430A001IPM	MSP430F425IPM	SC4CE23GH6PMT7	TM4C1236D5PMI
MSP430A002IPM	MSP430F427AIPM	SC4CE93XH6PMT	TM4C1236E6PMI
MSP430A023IPM	MSP430F427IPM	TL16C750PM	TM4C1236E6PMI7
MSP430A024IPM	MSP430FE4232IPM	TL16CP554AIPM	TM4C1236H6PMI
MSP430A025IPM	MSP430FE423AIPM	TL16CP554APM	TM4C1236H6PMI7
MSP430A026IPM	MSP430FE423IPM	TL16CP754CIPM	TM4C1237D5PMI

MSP430A048IPM	MSP430FE4242IPM	TL16CP754CIPMG4	TM4C1237E6PMI
MSP430A051IPM	MSP430FE4252IPM	TL16CP754CPM	TM4C1237E6PMI7
MSP430A064IPM	MSP430FE425AIPM	TM4C1230C3PMI	TM4C1237H6PMI
MSP430F133IPM	MSP430FE425IPM	TM4C1230D5PMI	TM4C1237H6PMI7
MSP430F135IPM	MSP430FE4272IPM	TM4C1230E6PMI	TM4C123AE6PMI
MSP430F1471IPM	MSP430FE427AIPM	TM4C1230E6PMI7	TM4C123AE6PMI7
MSP430F147IPM	MSP430FE427IPM	TM4C1230E6PMT	TM4C123AH6PMI
MSP430F1481IPM	MSP430FR5922IPM	TM4C1230E6PMT7	TM4C123AH6PMI7
MSP430F148IPM	MSP430FR59721IPM	TM4C1230H6PMI	TM4C123BE6PMI
MSP430F148IPMG4	MSP430FR5972IPM	TM4C1230H6PMI7	TM4C123BE6PMI7
MSP430F1491IPM	MSP430FR69221IPM	TM4C1231C3PMI	TM4C123BH6PMI
MSP430F1491IPMG4	MSP430FR6922IPM	TM4C1231D5PMI	TM4C123BH6PMI7
MSP430F149IPM	MSP430FR69721IPM	TM4C1231D5PMT	TM4C123FE6PMI
MSP430F149IPMG4	MSP430FR6972IPM	TM4C1231D5PMT7	TM4C123FH6PMI
MSP430F233TPM	MSP430FW423IPM	TM4C1231E6PMI	TM4C123FH6PMI7
MSP430F235TPM	MSP430FW425IPM	TM4C1231E6PMI7	TM4C123FH6PMT
MSP430F2410TPM	MSP430FW427IPM	TM4C1231H6PMI	TM4C123FH6PMT7
MSP430F2471TPM	MSP430FW428IPM	TM4C1231H6PMI7	TM4C123GE6PMI
MSP430F247TPM	MSP430FW429IPM	TM4C1232C3PMI	TM4C123GE6PMI7
MSP430F2481TPM	MSP430U328IPM	TM4C1232D5PMI	TM4C123GH6PMI
MSP430F248TPM	MSP430V111IPM	TM4C1232E6PMI	TM4C123GH6PMI7
MSP430F2491TPM	MSP430V158IPM	TM4C1232E6PMI7	TM4C123GH6PMT
MSP430F249TPM	MSP430V174IPM	TM4C1232H6PMI	TM4C123GH6PMT7
MSP430F412IPM	MSP430V270IPM	TM4C1232H6PMI7	XMS430FR6972IPM
MSP430F413IPM	MSP430V310IPM	TM4C1233C3PMI	

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