

<b>PCN Number:</b>	20150317004	<b>PCN Date:</b>	04/17/2015
<b>Title:</b>	DLPA3000 & DLPA3005 A3 Redesign		
<b>Customer Contact:</b>	<a href="mailto:Dlp_pcn_team@list.ti.com">Dlp_pcn_team@list.ti.com</a>	<b>Dept:</b>	DLP® CQE
<b>Proposed 1<sup>st</sup> Ship Date:</b>	10/01/2015	<b>Estimated Sample Availability:</b>	June 1, 2015
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input checked="" 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 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
<b>PCN Details</b>			
<b>Description of Change:</b>			
Texas Instruments Incorporated is announcing initial notification for qualification of the DLPA3000 & DLPA3005 A3 Re-design.			
*First Ship Date is based on the scheduled Qualification plan completion date. The First Ship Date will be updated on the Final PCN based on the actual Qualification plan completion date.			
<b>Reason for Change:</b>			
Design Enhancements -Low Vin to allow 6VIN , supports dual battery implementations. -High Vin to allow +20VIN FOR PAD 3000 - Activate all 3GP ANC Bucks			
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>			
Additional Functions - See Reasons for Change section directly above.			
<b>Changes to product identification resulting from this PCN:</b>			
The part will be marked with revision D instead of revision C. Example: • Current Marking DLPA3000 <b>C</b> will become DLPA3000 <b>D</b>			
<b>Product Affected:</b>			
DLPA3000CPFD, DLPA3000CPFDR, DLPA3005CPFD, DLPA3005CPFDR, PAD3000A2PFD, PAD3000A2PFDR, PAD3005A2PFD, PAD3005A2PFDR			

<b>Qualification Plan</b>			
This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.			
<b>Qualification Schedule:</b>	<b>Start:</b>	May 25, 2015	<b>End:</b> June 15, 2015
<b>Qual Vehicle: Device Vehicle (DLPA3000D &amp; DLPA3005D)</b>			
<b>Qualification:</b> <input checked="" type="checkbox"/> <b>Plan</b> <input type="checkbox"/> <b>Test Results</b>			

## Qualification Plan

Test	Conditions	Read Points	Sample Size
<b>A. Life Test:</b>			
High Temperature Operating Life	140C	480 hours	QBS(1)
<b>B. Environmental Tests:</b>			
Preconditioning + Temperature Cycling:			
(a) Preconditioning	MSL2; 85C/60%RH	168hrs	QBS(1)
(b) Temperature Cycling	-65C/+150C	500 cycles	
ESD	HBM	+/- 2000V	QBS(1)
ESD	CDM	+/- 750V	QBS(1)
Electrical Characterization	Per data sheet		30 (each)
Latch Up	70C	+/- 100mA	QBS(1)
<b>C. Inspection Tests:</b>			
X-Ray	Top view only		QBS(1)
<b>D. Other</b>			
Manufacturing Qual	TITL E RTP		1 lot (each)

Notes:

- 1) QBS (Qual by Similarity) to DLPA3000C

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
DLP PCN Team	<a href="mailto:dlp_pcn_team@ti.com">dlp_pcn_team@ti.com</a>
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>