



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20180307000**  
**Transfer of select P2-AMPS devices from GFAB to DFAB Wafer Fab site**  
**Change Notification / Sample Request**

**Date:** March 09, 2018  
**To:** PREMIER 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.

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 samples or 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](mailto:PCN_ww_admin_team@list.ti.com)).

PCN Team  
SC Business Services

**20180307000**  
**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>
LMC555CN/NOPB	null
LMC6036IM/NOPB	null
LMC6442AIM/NOPB	null
LMC6464BIM/NOPB	null
LMC6482AIN/NOPB	null
LMC6484AIM/NOPB	null
LMC660AIM/NOPB	null
LMC7111BIM5X/NOPB	null
LMC555CM/NOPB	null
LMC555CMM/NOPB	null
LMC555CMMX/NOPB	null
LMC555CMX/NOPB	null
LMC555CTP/NOPB	null
LMC555IM/NOPB	null
LMC567CMX/NOPB	null
LMC6001AIN/NOPB	null
LMC6001BIN/NOPB	null
LMC6032IMX/NOPB	null
LMC6034IM/NOPB	null
LMC6035IM/NOPB	null
LMC6035IMM/NOPB	null
LMC6035IMX/NOPB	null
LMC6035ITLX/NOPB	null
LMC6041AIM/NOPB	null
LMC6041IM/NOPB	null
LMC6041IMX/NOPB	null
LMC6041IN/NOPB	null
LMC6042AIM/NOPB	null
LMC6042IM/NOPB	null
LMC6042IMX/NOPB	null
LMC6042IN/NOPB	null
LMC6044IM/NOPB	null
LMC6044IN/NOPB	null
LMC6061AIM/NOPB	null
LMC6061IM/NOPB	null
LMC6062AIM/NOPB	null
LMC6062IM/NOPB	null
LMC6062IMX/NOPB	null
LMC6062IN/NOPB	null
LMC6064AIM/NOPB	null
LMC6064IM/NOPB	null
LMC6081AIM/NOPB	null
LMC6081IN/NOPB	null
LMC6082AIM/NOPB	null
LMC6082AIN/NOPB	null
LMC6082IM/NOPB	null
LMC6084AIM/NOPB	null
LMC6084IM/NOPB	null
LMC6462AIM/NOPB	null
LMC6462AIMX/NOPB	null
LMC6462AIN/NOPB	null
LMC6462BIM/NOPB	null
LMC6462BIMX/NOPB	null
LMC6462BIN/NOPB	null
LMC6464AIM/NOPB	null
LMC6464BIN/NOPB	null
LMC6482AIM/NOPB	null
LMC6482AIMX/NOPB	null
LMC6482IM/NOPB	null
LMC6482IMM/NOPB	null
LMC6482IMMX/NOPB	null
LMC6482IMX/NOPB	null

LMC6482IN/NOPB	null
LMC6484AIMX/NOPB	null
LMC6484IM/NOPB	null
LMC6484IMX/NOPB	null
LMC6484IN/NOPB	null
LMC6492BEM/NOPB	null
LMC6494AEM/NOPB	null
LMC6494BEM/NOPB	null
LMC660AIMX/NOPB	null
LMC660AIN/NOPB	null
LMC660CM/NOPB	null
LMC660CMX/NOPB	null
LMC660CN/NOPB	null
LMC662AIM/NOPB	null
LMC662AIMX/NOPB	null
LMC662AIN/NOPB	null
LMC662CM/NOPB	null
LMC662CMX/NOPB	null
LMC662CN/NOPB	null
LMC6762AIM/NOPB	null
LMC6762AIMX/NOPB	null
LMC6762BIM/NOPB	null
LMC6762BIMX/NOPB	null
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LMC6772AIMM/NOPB	null
LMC6772BIMX/NOPB	null
LMC6772BIN/NOPB	null
LMC7101AIM5/NOPB	null
LMC7101AIM5X/NOPB	null
LMC7101BIM5/NOPB	null
LMC7101BIM5X/NOPB	null
LMC7111BIM5/NOPB	null
LMC7211AIM/NOPB	null
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LMC7211BIM/NOPB	null
LMC7211BIM5/NOPB	null
LMC7211BIM5X/NOPB	null
LMC7215IM/NOPB	null
LMC7215IM5/NOPB	null
LMC7221AIM5/NOPB	null
LMC7221AIM5X/NOPB	null
LMC7221BIM/NOPB	null
LMC7221BIM5/NOPB	null
LMC7225IM5/NOPB	null
LPC662AIM/NOPB	null
LPC662IM/NOPB	null
LMC6032IN/NOPB	null
LMC6041AIM	null
LMC6484AIN/NOPB	null
LMC6772BIM/NOPB	null

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

<b>PCN Number:</b>		20180307000		<b>PCN Date:</b>		Mar 9, 2018																									
<b>Title:</b>		Transfer of select P2-AMPS devices from GFAB to DFAB Wafer Fab site																													
<b>Customer Contact:</b>		<a href="#">PCN Manager</a>		<b>Dept:</b>		Quality Services																									
<b>Proposed 1<sup>st</sup> Ship Date:</b>		Jun 9, 2018		<b>Estimated Sample Availability:</b>		Date provided at sample request.																									
<b>Change Type:</b>																															
<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 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 checked="" type="checkbox"/>	Wafer Fab Site	<input checked="" type="checkbox"/>	Wafer Fab Materials	<input type="checkbox"/>	Wafer Fab Process																										
		<input type="checkbox"/>	Part number change																												
<b>PCN Details</b>																															
<b>Description of Change:</b>																															
This change notification is to announce the transfer of select P2-AMPS devices from GFAB to the DFAB (DL-LIN) Wafer Fab site for the selected devices listed in the "Product Affected" section.																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Current Fab Site</th> <th colspan="3">New Fab Site</th> </tr> <tr> <th>Current Fab Site</th> <th>Process</th> <th>Wafer Diameter</th> <th>New Fab Site</th> <th>Process</th> <th>Wafer Diameter</th> </tr> </thead> <tbody> <tr> <td>GFAB6</td> <td>P2-AMPS</td> <td>150 mm</td> <td>DL-LIN</td> <td>P2-AMPS</td> <td>200 mm</td> </tr> <tr> <td>GFAB8</td> <td>P2-AMPS</td> <td>200 mm</td> <td>DL-LIN</td> <td>P2-AMPS</td> <td>200 mm</td> </tr> </tbody> </table>								Current Fab Site			New Fab Site			Current Fab Site	Process	Wafer Diameter	New Fab Site	Process	Wafer Diameter	GFAB6	P2-AMPS	150 mm	DL-LIN	P2-AMPS	200 mm	GFAB8	P2-AMPS	200 mm	DL-LIN	P2-AMPS	200 mm
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GFAB8	P2-AMPS	200 mm	DL-LIN	P2-AMPS	200 mm																										
Qual details are provided in the Qual Data Section.																															
<b>Reason for Change:</b>																															
Greenock, Scotland (GFAB) Wafer Fab site closure																															
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>																															
None																															
<b>Changes to product identification resulting from this PCN:</b>																															
<b>Current:</b>																															
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GFAB8	GF8	GBR	Greenock																												
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DL-LIN	DLN	USA	Dallas																												
Sample product shipping label (not actual product label)																															
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5962-9453401MPA	LMC6061AIM/NOPB	LMC6482IM	LMC6772AIMM/NOPB																												
5962-9453402MCA	LMC6061AIMX/NOPB	LMC6482IM/NOPB	LMC6772AIMMX/NOPB																												
5962-9453402QXA	LMC6061IM/NOPB	LMC6482IMM	LMC6772AIMX/NOPB																												

5962-9560302QCA	LMC6061IMX	LMC6482IMM/NOPB	LMC6772BIM
CC01302BC4TR/NOPB	LMC6061IMX/NOPB	LMC6482IMMX	LMC6772BIM/NOPB
CC01366AC2TR/NOPB	LMC6062AIM	LMC6482IMMX/NOPB	LMC6772BIMX
LDC6994BIME/NOPB	LMC6062AIM/NOPB	LMC6482IMX	LMC6772BIMX/NOPB
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LDC6996AIME/NOPB	LMC6062I MDC	LMC6482IMX/NOPB	LMC7101AIM5
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LMC555CM/NOPB	LMC6062IMX	LMC6484AIM	LMC7101AIM5X
LMC555CMM	LMC6062IMX/NOPB	LMC6484AIM/NOPB	LMC7101AIM5X/NOPB
LMC555CMM/NOPB	LMC6062IN/NOPB	LMC6484AIMX	LMC7101BIM5
LMC555CMMX	LMC6064AIM	LMC6484AIMX/NOPB	LMC7101BIM5/NOPB
LMC555CMMX/NOPB	LMC6064AIM/NOPB	LMC6484AIMX/SL163019	LMC7101BIM5X
LMC555CMX	LMC6064AIMX/NOPB	LMC6484AIN/NOPB	LMC7101BIM5X/NOPB
LMC555CMX/NOPB	LMC6064IM/NOPB	LMC6484AMJ/883	LMC7101BIM5X/S7001246
LMC555CN/NOPB	LMC6064IMX/NOPB	LMC6484AMWG/883	LMC7101BIM5X/S7002311
LMC555CTP/NOPB	LMC6064IN/NOPB	LMC6484IM	LMC7111BIM5
LMC555CTPX/NOPB	LMC6081AIM	LMC6484IM/NOPB	LMC7111BIM5/NOPB
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LMC6001A MDC	LMC6081IMX/E2000158	LMC6484IN/NOPB	LMC7211AIM/NOPB
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LMC6001BIN/NOPB	LMC6081IN/NOPB	LMC6492AEM/NOPB	LMC7211AIM5/NOPB
LMC6022IM/NOPB	LMC6081-MDA	LMC6492AEMX/NAK2	LMC7211AIM5X
LMC6022IMX/NOPB	LMC6082AIM	LMC6492AEMX/NOPB	LMC7211AIM5X/NOPB
LMC6024IM/NOPB	LMC6082AIM/NOPB	LMC6492BEM	LMC7211AIMX/NOPB
LMC6024IMX/NOPB	LMC6082AIMX/NOPB	LMC6492BEM/NOPB	LMC7211BIM
LMC6032IM	LMC6082AIN/NOPB	LMC6492BEMX/NAK1	LMC7211BIM/NOPB
LMC6032IM/NOPB	LMC6082IM	LMC6492BEMX/NOPB	LMC7211BIM5
LMC6032IMX/NOPB	LMC6082IM/NOPB	LMC6494AEM	LMC7211BIM5/HFLF
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LMC6035IMX/NOPB	LMC6442AIM/NOPB	LMC660AIMX	LMC7215IM5/NOPB
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LMC6035ITL/NOPB	LMC6442IM/NOPB	LMC660AIMX/NOPB	LMC7215IM5X/NOPB
LMC6035ITLX/NOPB	LMC6442IMX/NOPB	LMC660AIN/NOPB	LMC7215IMX/NOPB
LMC6036IM/NOPB	LMC6442IN/NOPB	LMC660CM	LMC7221AIM/NOPB
LMC6036IMT/NOPB	LMC6462AIM	LMC660CM/ELLI518	LMC7221AIM5
LMC6036IMTX/NOPB	LMC6462AIM/NOPB	LMC660CM/NOPB	LMC7221AIM5/NOPB
LMC6036IMX/ELLI904	LMC6462AIMX/NOPB	LMC660CMX/NOPB	LMC7221AIM5X/NOPB

LMC6036IMX/NOPB	LMC6462AIN/NOPB	LMC660CN/NOPB	LMC7221AIMX/NOPB
LMC6041AIM	LMC6462BIM/NOPB	LMC662AIM	LMC7221BIM
LMC6041AIM/NOPB	LMC6462BIMX/NOPB	LMC662AIM/NOPB	LMC7221BIM/NOPB
LMC6041AIMX/NOPB	LMC6462BIN/NOPB	LMC662AIMX	LMC7221BIM5
LMC6041IM/NOPB	LMC6462B-MDC	LMC662AIMX/NOPB	LMC7221BIM5/NOPB
LMC6041IMX/NOPB	LMC6464AIM	LMC662AIN/NOPB	LMC7221BIM5X
LMC6041IN/NOPB	LMC6464AIM/NOPB	LMC662CM	LMC7221BIM5X/NOPB
LMC6042AIJ	LMC6464AIMX	LMC662CM/NOPB	LMC7221BIMX
LMC6042AIM	LMC6464AIMX/NOPB	LMC662CMX	LMC7221BIMX/NOPB
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LMC6042AIMX/NOPB	LMC6464BIM	LMC662CMX/NOPB	LMC7225IM5/NOPB
LMC6042AIN/NOPB	LMC6464BIM/NOPB	LMC662CN/NOPB	LMC7225IM5X/NOPB
LMC6042IM	LMC6464BIMX	LMC6762AIM	LMC8101TP/NOPB
LMC6042IM/NOPB	LMC6464BIMX/NOPB	LMC6762AIM/NOPB	LMC8101TPX/NOPB
LMC6042IMX/NOPB	LMC6464BIN/NOPB	LMC6762AIMX	LPC660AIM/NOPB
LMC6042IN/NOPB	LMC6482AI MDA	LMC6762AIMX/NOPB	LPC660AIMX/NOPB
LMC6044AIM	LMC6482AIM	LMC6762BIM	LPC660IM/NOPB
LMC6044AIM/NOPB	LMC6482AIM/NOPB	LMC6762BIM/NOPB	LPC660IMX/NOPB
LMC6044AIMX/NOPB	LMC6482AIMX	LMC6762BIMX	LPC662AIM
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LMC6044IM/NOPB	LMC6482AIMX/NAK1	LMC6772AIM	LPC662AIMX/NOPB
LMC6044IMX/NOPB	LMC6482AIMX/NOPB	LMC6772AIM/NOPB	LPC662IM/NOPB
LMC6044IN/NOPB	LMC6482AIN/NOPB	LMC6772AIMM	LPC662IMX/NOPB
LMC6044-MDC	LMC6482AMJ/883		

## Qualification Report

### DFAB Process qualification P2-AMPS (CP25 with depletion devices and poly 1 to poly 2 Cap) BCPALMC7101CZ8 - LMC7101QM5/NOPB

Approve Date 08-Feb-2018

#### Product Attributes

Attributes	Qual Device: LMC7101QM5/NOPB
Assembly Site	TIEM
Package Family	SOT
Flammability Rating	UL 94 V-0
Wafer Fab Supplier	DFAB -200
Wafer Process	P2-AMPS

- QBS: Qual By Similarity

- Qual Devices qualified at LEVEL1-260CG: LMC7101QM5/NOPB

#### Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: LMC7101QM5/NOPB
AC	Autoclave 121C	96 Hours	3/231/0
ED	Electrical Distributions	Cpk>1.67 Room, Hot, & Cold	3/90/0
ELFR	Early Life Failure Rate, 150C	24 Hours	3/2400/0
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0
HBM	ESD - HBM	2500 V	3/9/0
CDM	ESD - CDM	1500 V	3/9/0
HTOL	Life Test, 125C	1000 Hours	3/231/0
HTSL	Life Test, 150C	1000 Hours	3/231/0
LU	Latch-up	(per JESD78)	3/18/0
MQ	Manufacturability (Assembly)	(per automotive requirements)	Pass
MQ	Manufacturability (Wafer Fab)	(per mfg. Site specification)	Pass
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV: 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV: 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47: -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

## Qualification Report

### DFAB Process qualification P2-AMPS - BCPALMC6482BC8 - LMC6482AIM/NOPB (CP25 /Poly Fuse) Approve Date 05-Mar-2018

#### Product Attributes

Attributes	Qual Device: LMC6482AIM/NOPB
Assembly Site	TIEM
Package Family	SOIC
Flammability Rating	UL 94 V-0
Wafer Fab Supplier	DFAB -200
Wafer Process	P2-AMPS

- QBS: Qual By Similarity
- Qual Devices qualified at LEVEL1-260CG: LMC6482AIM/NOPB

#### Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Type	Test Name / Condition	Duration	Qual Device: LMC6482AIM/NOPB
AC	Autoclave 121C	96 Hours	3/231/0
ED	Electrical Distributions	Cpk>1.67 Room, Hot, & Cold	3/90/0
ELFR	Early Life Failure Rate, 150C	24 Hours	3/2400/0
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0
HBM	ESD - HBM	1500 V	3/9/0
CDM	ESD - CDM	1500 V	3/9/0
HTOL	Life Test, 125C	1000 Hours	3/231/0
HTSL	Life Test, 150C	300 Hours	3/231/0
LU	Latch-up	(per JESD78)	3/18/0
MQ	Manufacturability (Assembly)	(per motive requirements)	Pass
MQ	Manufacturability (Wafer Fab)	(per mfg. Site specification)	Pass
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0

- Preconditioning was performed forclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV: 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours
- The following are equivalent HTSL options based on an activation energy of 0.7eV: 150C/1k Hours, and 170C/420 Hours
- The following are equivalent Temp Cycle options per JESD47: -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: <http://www.ti.com/>

**Green/Pb-free Status:**

Qualified Pb-Free(SMT) and Green

For questions regarding this notice, e-mails can be sent to the regional contacts shown below, or you can contact 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>