



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: 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 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).

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.

DEVICE	CUSTOMER PART NUMBER
LMC555CM/NOPB	null
LMC555CMM/NOPB	null
LMC555CMX/NOPB	null
LMC6001BIN/NOPB	null
LMC6034IM/NOPB	null
LMC6041AIM/NOPB	null
LMC6041IM/NOPB	null
LMC6042IM/NOPB	null
LMC6082AIM/NOPB	null
LMC6482AIM/NOPB	null
LMC6482AIMX/NOPB	null
LMC6482IM/NOPB	null
LMC6482IMM/NOPB	null
LMC6484AIM/NOPB	null
LMC6492AEM/NOPB	null
LMC660CMX/NOPB	null
LMC662AIM/NOPB	null
LMC6772AIM/NOPB	null
LMC7211AIM5/NOPB	null
LMC6482IMMX/NOPB	null
LMC7111BIM5/NOPB	null
LMC555CN/NOPB	null
LMC6082IM/NOPB	null
LMC6484IM/NOPB	null
LMC662CM/NOPB	null
LMC6032IMX/NOPB	null
LMC6082AIMX/NOPB	null
LMC6462BIMX/NOPB	null
LMC662CN/NOPB	null
LMC6762BIM/NOPB	null
LMC7225IM5X/NOPB	null
LMC6001AIN/NOPB	null
LMC6081AIMX/NOPB	null
LMC555CMMX/NOPB	null
LMC7101AIM5X/NOPB	null
LMC6041IMX/NOPB	null
LMC6044IMX/NOPB	null
LMC6482IMX/NOPB	null
LMC662AIN/NOPB	null
LMC662CMX/NOPB	null
LMC7101BIM5X/NOPB	null
LMC7111BIM5X/NOPB	null
LMC7215IM5/NOPB	null
LMC7221BIM5X/NOPB	null
LMC6041IN/NOPB	null
LMC6042IMX/NOPB	null
LMC6462BIN/NOPB	null
LMC6032IM/NOPB	null
LMC6042AIMX/NOPB	null
LMC7211BIM5/NOPB	null
LMC6035IMM/NOPB	null
LMC6034IMX/NOPB	null
LMC6061AIMX/NOPB	null
LMC7211AIMX/NOPB	null
LMC6494AEM/NOPB	null
LMC6464BIMX/NOPB	null
LMC6042IN/NOPB	null
LMC7221AIM5/NOPB	null
LMC567CMX/NOPB	null
LMC6762BIMX/NOPB	null
LMC6062AIM/NOPB	null

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

PCN Number:	20180307000		PCN Date:	Mar 9, 2018																									
Title:	Transfer of select P2-AMPS devices from GFAB to DFAB Wafer Fab site																												
Customer Contact:	PCN Manager		Dept:	Quality Services																									
Proposed 1st Ship Date:	Jun 9, 2018		Estimated Sample Availability:	Date provided at sample request.																									
Change Type:																													
☐	Assembly Site	☐	Assembly Process	☐	Assembly Materials																								
☐	Design	☐	Electrical Specification	☐	Mechanical Specification																								
☐	Test Site	☐	Packing/Shipping/Labeling	☐	Test Process																								
☐	Wafer Bump Site	☐	Wafer Bump Material	☐	Wafer Bump Process																								
☒	Wafer Fab Site	☒	Wafer Fab Materials	☐	Wafer Fab Process																								
		☐	Part number change																										
PCN Details																													
Description of Change:																													
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"> <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
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																								
Qual details are provided in the Qual Data Section.																													
Reason for Change:																													
Greenock, Scotland (GFAB) Wafer Fab site closure																													
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):																													
None																													
Changes to product identification resulting from this PCN:																													
Current:																													
Current Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City																										
GFAB6	GF6	GBR	Greenock																										
GFAB8	GF8	GBR	Greenock																										
New Fab Site:																													
New Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City																										
DL-LIN	DLN	USA	Dallas																										
Sample product shipping label (not actual product label)																													
  (1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483S12 (P) (2P) REV: 0033317 (20L) CS0: SHE (21L) CCO:USA (22L) AS0:MLA (23L) ACO: MYS																													
Product Affected:																													
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
LDC6994BIMX/NOPB	LMC6062AIMX/NOPB	LMC6482IMX/E7001822	LMC6772BIN/NOPB
LDC6996AIME/NOPB	LMC6062I MDC	LMC6482IMX/NOPB	LMC7101AIM5
LDC6996AIMX/NOPB	LMC6062IM	LMC6482IN/NOPB	LMC7101AIM5/J7002454
LMC555CM	LMC6062IM/NOPB	LMC6482M MD8	LMC7101AIM5/NOPB
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
LMC555IM/NOPB	LMC6081AIM/NOPB	LMC6484IMX	LMC7111BIM5X
LMC555IMX/NOPB	LMC6081AIMX/NOPB	LMC6484IMX/J7000533	LMC7111BIM5X/NOPB
LMC567CMX/NOPB	LMC6081IM/NOPB	LMC6484IMX/NOPB	LMC7211AIM
LMC6001A MDC	LMC6081IMX/E2000158	LMC6484IN/NOPB	LMC7211AIM/NOPB
LMC6001AIN/NOPB	LMC6081IMX/NOPB	LMC6492AEM	LMC7211AIM5
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
LMC6032IN/NOPB	LMC6082IMX	LMC6494AEM/NOPB	LMC7211BIM5/NOPB
LMC6034IM	LMC6082IMX/NOPB	LMC6494AEMX/NOPB	LMC7211BIM5X
LMC6034IM/NOPB	LMC6082IN/NOPB	LMC6494BEM/NOPB	LMC7211BIM5X/NOPB
LMC6034IMX/NOPB	LMC6084AIM/NOPB	LMC6494BEMX/NOPB	LMC7211BIM5X/S5000708
LMC6035IM/NOPB	LMC6084AIMX/NOPB	LMC6494BEMX/S5000651	LMC7211BIMX/NOPB
LMC6035IMM/NOPB	LMC6084IM/NOPB	LMC660AIM	LMC7215IM/NOPB
LMC6035IMMX/NOPB	LMC6084IMX/NOPB	LMC660AIM/NOPB	LMC7215IM5
LMC6035IMX/NOPB	LMC6442AIM/NOPB	LMC660AIMX	LMC7215IM5/NOPB
LMC6035IMX/S5000965	LMC6442AIMX/NOPB	LMC660AIMX/NAK1	LMC7215IM5X
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
LMC6042AIM/NOPB	LMC6464AMJ-QML	LMC662CMX/ELLI976	LMC7225IM5
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
LMC6044IM	LMC6482AIMX/E7001821	LMC6762BIMX/NOPB	LPC662AIM/NOPB
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 for clamp, 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	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com