

PCN# 20180301001
Transfer of select VIP1P devices from GFAB to DFAB Wafer Fab site
Change Notification / Sample Request

Date: April 19, 2018
To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This PCN is being reissued to correct a typo in the Description of Change section.

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

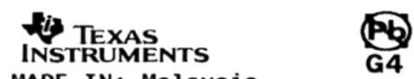

20180301001
Attachment: 1

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
LP2980AIM5-5.0/NOPB	null
LP2980IM5X-5.0/J7001473	null
LP2981AIM5-5.0/NOPB	null
LP2985AIM5-1.8/NOPB	null
LP3879MR-1.2/NOPB	null
LP2985IM5-3.3/NOPB	null
LP2985IM5X-2.5/NOPB	null
LP2989AIM-5.0/NOPB	null
LP2992AIM5-3.3/NOPB	null
LP2983IM5-1.2/NOPB	null
LP2992AIM5-1.5/NOPB	null
LP2992AIM5-2.5/NOPB	null
LP2985IM5-2.5/NOPB	null
LP2985IM5-5.0/NOPB	null
LP2986IMM-5.0/NOPB	null
LP2989IMX-3.3/NOPB	null
LP2980AIM5-3.3/NOPB	null
LP2985AIM5-5.0/NOPB	null
LP2992AILD-5.0/NOPB	null
LP2985IM5-3.6/NOPB	null
LP2980IM5-3.3/NOPB	null
LP2980IM5-5.0/NOPB	null
LP2980IM5X-5.0/NOPB	null
LP2981IM5-3.3/NOPB	null
LP2986IMX-5.0/NOPB	null

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

PCN Number:	20180301001		PCN Date:	Mar 2, 2018																									
Title:	Transfer of select VIP1P devices from GFAB to DFAB (DL-LIN) Wafer Fab site																												
Customer Contact:	PCN Manager		Dept:	Quality Services																									
Proposed 1st Ship Date:	Jun 2, 2018		Estimated Sample Availability:	Date provided at sample request.																									
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 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 checked="" type="checkbox"/>	Wafer Fab Process																								
		<input type="checkbox"/>	Part number change																										
PCN Details																													
Description of Change:																													
This change notification is to announce the transfer of select VIP1P 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%;"> <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>VIP1P</td> <td>150 mm</td> <td>DL-LIN</td> <td>VIP1P</td> <td>200 mm</td> </tr> <tr> <td>GFAB6 GFAB8</td> <td>VIP1P</td> <td>200 mm</td> <td>DL-LIN</td> <td>VIP1P</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	VIP1P	150 mm	DL-LIN	VIP1P	200 mm	GFAB6 GFAB8	VIP1P	200 mm	DL-LIN	VIP1P	200 mm
Current Fab Site			New Fab Site																										
Current Fab Site	Process	Wafer Diameter	New Fab Site	Process	Wafer Diameter																								
GFAB6	VIP1P	150 mm	DL-LIN	VIP1P	200 mm																								
GFAB6 GFAB8	VIP1P	200 mm	DL-LIN	VIP1P	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)																													
 <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;"> MADE IN: Malaysia 2DC: 2d: MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: 39 ITEM: LBL: 5A (L)T0:1750 </div> <div style="text-align: center;">  </div> <div> (1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483S12 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CCO:USA (22L) AS0:MLA (23L) ACO: MYS </div> </div>																													
Product Affected:																													
LM10520MH/NOPB	LP2982IM5-5.0/NOPB	LP2985IM5X-3.3/S5001421	LP2989AIMMX-2.5/NOPB																										
LM10520MHE/NOPB	LP2982IM5X-3.0/NOPB	LP2985IM5X-3.6/NOPB	LP2989AIMMX-5.0/NOPB																										
LM10520MHX/NOPB	LP2982IM5X-3.3/NOPB	LP2985IM5X-4.0/NOPB	LP2989AIMX-1.8/NOPB																										

LM10540MH/NOPB	LP2982IM5X-5.0/NOPB	LP2985IM5X-4.5/NOPB	LP2989AIMX-2.5/E7002218
LM10540MHE/NOPB	LP2983AIM5-1.0/NOPB	LP2985IM5X-5.0	LP2989AIMX-2.5/NOPB
LM10540MHX/NOPB	LP2983AIM5-1.2/NOPB	LP2985IM5X-5.0/NOPB	LP2989AIMX-3.0/NOPB
LP2980AIM5-2.5	LP2983AIM5X-1.0/NOPB	LP2986AILD-3.3/NOPB	LP2989AIMX-3.3/NOPB
LP2980AIM5-2.5/NOPB	LP2983AIM5X-1.2/NOPB	LP2986AILD-3.3/NOPB	LP2989AIMX-5.0/NOPB
LP2980AIM5-2.5/S7002303	LP2983IM5-1.0/NOPB	LP2986AIM-3.0/NOPB	LP2989ILD-2.5/NOPB
LP2980AIM5-3.0	LP2983IM5-1.2/NOPB	LP2986AIM-3.3	LP2989ILD-3.0/NOPB
LP2980AIM5-3.0/NOPB	LP2983IM5X-1.0/NOPB	LP2986AIM-3.3/NOPB	LP2989ILD-3.3/NOPB
LP2980AIM5-3.3	LP2983IM5X-1.2/NOPB	LP2986AIM-5.0	LP2989ILD-5.0/NOPB
LP2980AIM5-3.3/NOPB	LP2985AIM5-1.5/NOPB	LP2986AIM-5.0/NOPB	LP2989ILD-3.3/NOPB
LP2980AIM5-3.3/S7002302	LP2985AIM5-1.8/NOPB	LP2986AIMM-3.0/NOPB	LP2989ILD-3.3/S5000796
LP2980AIM5-4.7/NOPB	LP2985AIM5-2.0/NOPB	LP2986AIMM-3.3/NOPB	LP2989ILD-5.0/NOPB
LP2980AIM5-5.0	LP2985AIM5-2.5/NOPB	LP2986AIMM-5.0/NOPB	LP2989IM-1.8
LP2980AIM5-5.0/NOPB	LP2985AIM5-2.7/NOPB	LP2986AIMMX-3.0/NOPB	LP2989IM-1.8/NOPB
LP2980AIM5X-2.5	LP2985AIM5-2.8	LP2986AIMMX-5.0/NOPB	LP2989IM-2.5/NOPB
LP2980AIM5X-2.5/NOPB	LP2985AIM5-2.8/NOPB	LP2986AIMX-3.3/NOPB	LP2989IM-3.0/NOPB
LP2980AIM5X-3.0	LP2985AIM5-2.9/NOPB	LP2986AIMX-5.0/NOPB	LP2989IM-3.3
LP2980AIM5X-3.0/NOPB	LP2985AIM5-3.0	LP2986ILD-3.3/NOPB	LP2989IM-3.3/NOPB
LP2980AIM5X-3.3	LP2985AIM5-3.0/NOPB	LP2986IM-3.0/NOPB	LP2989IM-5.0/NOPB
LP2980AIM5X-3.3/NOPB	LP2985AIM5-3.1/NOPB	LP2986IM-3.3/NOPB	LP2989IMM-2.8/NOPB
LP2980AIM5X-4.7/NOPB	LP2985AIM5-3.3	LP2986IM-5.0	LP2989IMM-3.0/NOPB
LP2980AIM5X-5.0/NOPB	LP2985AIM5-3.3/NOPB	LP2986IM-5.0/NOPB	LP2989IMM-3.3/NOPB
LP2980IM5-2.5/NOPB	LP2985AIM5-3.6	LP2986IMM-3.0/NOPB	LP2989IMM-5.0
LP2980IM5-3.0/NOPB	LP2985AIM5-3.6/NOPB	LP2986IMM-3.3/NOPB	LP2989IMM-5.0/NOPB
LP2980IM5-3.3	LP2985AIM5-3.8/NOPB	LP2986IMM-5.0/NOPB	LP2989IMMX-2.8/NOPB
LP2980IM5-3.3/NOPB	LP2985AIM5-4.0/NOPB	LP2986IMMX-5.0/NOPB	LP2989IMMX-5.0
LP2980IM5-3.8/NOPB	LP2985AIM5-4.5/NOPB	LP2986IMX-3.0/NOPB	LP2989IMMX-5.0/NOPB
LP2980IM5-4.7/NOPB	LP2985AIM5-5.0	LP2986IMX-3.3/E7002697	LP2989IMX-1.8/NOPB
LP2980IM5-5.0	LP2985AIM5-5.0/NOPB	LP2986IMX-3.3/NOPB	LP2989IMX-2.5/NOPB
LP2980IM5-5.0/NOPB	LP2985AIM5-5.7/NOPB	LP2986IMX-3.3/S2	LP2989IMX-3.3/NOPB
LP2980IM5-ADJ	LP2985AIM5-6.1/NOPB	LP2986IMX-5.0	LP2989IMX-5.0/NOPB
LP2980IM5-ADJ/NOPB	LP2985AIM5X-1.8/E7002823	LP2986IMX-5.0/NOPB	LP2992AILD-1.5/NOPB
LP2980IM5X-2.5/NOPB	LP2985AIM5X-1.8/NOPB	LP2987AILD-3.0/NOPB	LP2992AILD-1.8/NOPB
LP2980IM5X-3.0	LP2985AIM5X-2.0/NOPB	LP2987AILD-5.0/NOPB	LP2992AILD-3.3/NOPB
LP2980IM5X-3.0/NOPB	LP2985AIM5X-2.5/NOPB	LP2987AILD-5.0/NOPB	LP2992AILD-5.0/NOPB
LP2980IM5X-3.3	LP2985AIM5X-2.6/NOPB	LP2987AIMM-5.0/NOPB	LP2992AILD-3.3/NOPB
LP2980IM5X-3.3/NOPB	LP2985AIM5X-2.8/NOPB	LP2987AIMX-5.0/NOPB	LP2992AILD-5.0/NOPB
LP2980IM5X-5.0	LP2985AIM5X-2.9/NOPB	LP2987ILD-3.3/NOPB	LP2992AIM5-1.5/NOPB
LP2980IM5X-5.0/J7001473	LP2985AIM5X-3.0/NOPB	LP2987IM-3.0/NOPB	LP2992AIM5-1.8/NOPB
LP2980IM5X-5.0/NOPB	LP2985AIM5X-3.1/NOPB	LP2987IM-3.3/NOPB	LP2992AIM5-2.5
LP2980IM5X-ADJ	LP2985AIM5X-3.3/NOPB	LP2987IM-5.0/NOPB	LP2992AIM5-2.5/NOPB
LP2980IM5X-ADJ/NOPB	LP2985AIM5X-3.6/NOPB	LP2987IMM-3.3/NOPB	LP2992AIM5-3.3
LP2981AIM5-2.5	LP2985AIM5X-3.8/NOPB	LP2987IMM-5.0/NOPB	LP2992AIM5-3.3/NOPB
LP2981AIM5-2.5/NOPB	LP2985AIM5X-4.0/NOPB	LP2987IMMX-3.3/NOPB	LP2992AIM5-5.0/NOPB
LP2981AIM5-3.0/NOPB	LP2985AIM5X-4.5/NOPB	LP2987IMX-3.0/NOPB	LP2992AIM5X-1.5/NOPB
LP2981AIM5-3.3	LP2985AIM5X-5.0	LP2987IMX-5.0/NOPB	LP2992AIM5X-1.8/NOPB

LP2981AIM5-3.3/NOPB	LP2985AIM5X-5.0/NOPB	LP2988AIM-5.0	LP2992AIM5X-2.5/NOPB
LP2981AIM5-3.6/NOPB	LP2985AIM5X-6.1/NOPB	LP2988AIM-5.0/NOPB	LP2992AIM5X-3.3/NOPB
LP2981AIM5-5.0	LP2985I30/DWA	LP2988AIMM-2.8/NOPB	LP2992AIM5X-5.0/NOPB
LP2981AIM5-5.0/NOPB	LP2985IM5-1.8	LP2988AIMM-3.0/NOPB	LP2992ILD-1.8/NOPB
LP2981AIM5X-3.0/NOPB	LP2985IM5-1.8/NOPB	LP2988AIMM-3.3/NOPB	LP2992ILD-2.5/NOPB
LP2981AIM5X-3.3/NOPB	LP2985IM5-2.0/NOPB	LP2988AIMM-5.0/NOPB	LP2992ILD-3.3/NOPB
LP2981AIM5X-3.6/NOPB	LP2985IM5-2.5	LP2988AIMX-3.3/NOPB	LP2992ILD-5.0/NOPB
LP2981AIM5X-5.0/NOPB	LP2985IM5-2.5/NOPB	LP2988ILD-3.8/NOPB	LP2992ILD-1.5/NOPB
LP2981IM5-2.5	LP2985IM5-2.7/NOPB	LP2988IM-5.0/NOPB	LP2992ILD-3.3/NOPB
LP2981IM5-2.5/NOPB	LP2985IM5-2.8/NOPB	LP2988IMM-3.0/NOPB	LP2992ILD-5.0/NOPB
LP2981IM5-3.0/NOPB	LP2985IM5-2.9/NOPB	LP2988IMM-3.3/NOPB	LP2992IM5-1.5/NOPB
LP2981IM5-3.3	LP2985IM5-3.0/NOPB	LP2988IMM-5.0	LP2992IM5-1.8
LP2981IM5-3.3/NOPB	LP2985IM5-3.1/NOPB	LP2988IMM-5.0/NOPB	LP2992IM5-1.8/NOPB
LP2981IM5-3.6/NOPB	LP2985IM5-3.2/NOPB	LP2988IMMX-3.0/NOPB	LP2992IM5-2.5
LP2981IM5-5.0	LP2985IM5-3.3	LP2988IMMX-3.3/NOPB	LP2992IM5-2.5/NOPB
LP2981IM5-5.0/NOPB	LP2985IM5-3.3/NOPB	LP2988IMX-5.0/NOPB	LP2992IM5-3.0
LP2981IM5X-3.0/NOPB	LP2985IM5-3.5/NOPB	LP2989AILD-3.0/NOPB	LP2992IM5-3.0/NOPB
LP2981IM5X-3.3/NOPB	LP2985IM5-3.6/NOPB	LP2989AILD-3.3/NOPB	LP2992IM5-3.3
LP2981IM5X-3.6/NOPB	LP2985IM5-3.8/NOPB	LP2989AILD-5.0	LP2992IM5-3.3/NOPB
LP2981IM5X-36C	LP2985IM5-4.0/NOPB	LP2989AILD-5.0/NOPB	LP2992IM5-5.0/NOPB
LP2981IM5X-5.0	LP2985IM5-4.5/NOPB	LP2989AILD-2.8/NOPB	LP2992IM5X-1.5/NOPB
LP2981IM5X-5.0/NOPB	LP2985IM5-5.0	LP2989AIM-1.8	LP2992IM5X-1.8/NOPB
LP2982AIM5-3.0/NOPB	LP2985IM5-5.0/NOPB	LP2989AIM-1.8/NOPB	LP2992IM5X-2.5/NOPB
LP2982AIM5-3.3	LP2985IM5-5.7/NOPB	LP2989AIM-2.5/NOPB	LP2992IM5X-3.3/NOPB
LP2982AIM5-3.3/NOPB	LP2985IM5-6.1/NOPB	LP2989AIM-3.0/NOPB	LP2992IM5X-5.0/NOPB
LP2982AIM5-5.0/NOPB	LP2985IM5X-1.8/NOPB	LP2989AIM-3.3/NOPB	LP3878SD-1.0/NOPB
LP2982AIM5X-3.0/NOPB	LP2985IM5X-2.0/NOPB	LP2989AIM-5.0	LP3879MR-1.2
LP2982AIM5X-3.3/NOPB	LP2985IM5X-2.5/NOPB	LP2989AIM-5.0/NOPB	LP3879MR-1.2/NOPB
LP2982AIM5X-5.0/NOPB	LP2985IM5X-2.7/NOPB	LP2989AIMM-2.5/NOPB	LP3879MRX-1.2/NOPB
LP2982AIM5X-5.0/S7003010	LP2985IM5X-2.8/NOPB	LP2989AIMM-3.0/NOPB	LP3879SD-1.2/J7002447
LP2982IM5-3.0/NOPB	LP2985IM5X-3.0/NOPB	LP2989AIMM-3.3/NOPB	LP3879SD-1.2/NOPB
LP2982IM5-3.3/NOPB	LP2985IM5X-3.3/NOPB	LP2989AIMM-5.0/NOPB	

Qualification Report

DFAB Process qualification VIP1P -BVPALP2985AY50xxx LP2985AIM5-5.0/NOPB

Approve Date 28-Feb-2018

Product Attributes

Attributes	Qual Device: LP2985AIM5-5.0/NOPB
Assembly Site	TIEM
Package Family	SOT-23
Flammability Rating	UL 94 V-0
Wafer Fab Supplier	DFAB-DALLAS
Wafer Process	VIP1P

- Qual Devices qualified at LEVEL1-260CG: LP2985AIM5-5.0/NOPB-CL, LP2985AIM5-5.0/NOPB-TL

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: LP2985AIM5-5.0/NOPB
AC	Autoclave 121C	96 Hours	3/231/0
ED	Electrical Characterization	Per Datasheet Parameters	Pass
ELFR	Early Life Failure Rate, 125C	48 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	1000 V	3/9/0
HTOL	Life Test, 125C	1000 Hours	3/231/0
HTSL	High Temp. Storage Bake, 150C	1000 Hours	3/231/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	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

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