

PCN Number:	20181004003.1	PCN Date:	Oct 9, 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:	Jan 9, 2019	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 type="checkbox"/> Wafer Fab Materials	<input 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.

Current Fab Site			New Fab Site		
Current Fab Site	Process	Wafer Diameter	New Fab Site	Process	Wafer Diameter
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
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)



MADE IN: Malaysia
2DC: 20:

MSL 2 / 260C / 1 YEAR	SEAL DT
MSL 1 / 235C / UNLIM	03/29/04

OPT:
ITEM: 39
LBL: 5A (L)T0:1750



(1P) SN74LS07NSR
(Q) 2000 (D) 0336
(31T) LOT: 3959047MLA
(4W) TKY (1T) 7523483S12
(P)
(2P) REV: (V) 0033317
(20L) CSO: SHE (21L) CCO:USA
(22L) ASO: MLA (23L) ACO: MYS

Product Affected:

LP3878MR-ADJ	LP3878MRX-ADJ/NOPB	LP3878SD-ADJ/NOPB	LP3878SDX-ADJ/NOPB
LP3878MR-ADJ/NOPB	LP3878SD-ADJ/J7002766		

Qualification Report

DFAB Process qualification VIP1P - LP3878MRX-ADJ/NOPB

Approve Date 27-Sept-2018

Product Attributes

Attributes	Qual Device: LP3878MRX-ADJ/NOPB	QBS Device: LP2985AIM5-5.0/NOPB
Assembly Site	TIEM	TIEM
Package Family	HSOIC	SOT-23
Flammability Rating	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	DFAB-DALLAS	DFAB-DALLAS
Wafer Process	VIP1P	VIP1P

- Qual Devices qualified at LEVEL3-260CG: 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: LP3878MRX-ADJ/NOPB	QBS Device: LP2985AIM5-5.0/NOPB
AC	Autoclave 121C	96 Hours	-	3/231/0
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	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	1/77/0	3/231/0
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	3/231/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	Pass	Pass
MQ	Manufacturability (Wafer Fab)	(per mfg. Site specification)	Pass	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