TEXAS INSTRUMENTS 12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20160629002
Qualification of MAINEFAB for select ABCD150 devices
Change Notification / Sample Request

Date: 7/5/2016
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

20160629002
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
LM25118MH/NOPB	null
LMZ14201HTZX/NOPB	null
LMR62014XMFE/NOPB	null
LMZ14201HTZ/NOPB	null
LM25118MHE/NOPB	null
LM25118MHX/NOPB	null
LMR62014XMF/NOPB	null
LMZ14202HTZ/NOPB	null
LMZ14203HTZ/NOPB	null

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

PCN Number:	20160629002	**PCN Date:**	7/5/2016
Title:	Qualification of MAINEFAB for select ABCD150 devices		
Customer Contact:	PCN Manager	**Dept:**	Quality Services
Proposed 1st Ship Date:	10/5/2016	**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:

Texas Instruments is pleased to announce the qualification of its MAINEFAB fabrication facility as a wafer Fab source for the devices listed in “Product Affected” section of this document.

Current			New		
Chip Sites	**Process**	**Wafer Diameter**	**Chip Site**	**Process**	**Wafer Diameter**
GFAB6	ABCD150	150mm	MAINEFAB	ABCD150	200mm
GFAB8	ABCD150	200mm	MAINEFAB	ABCD150	200mm

Qual details are provided in the Qual Data Section.

Reason for Change:

Continuity of Supply

Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):

None

Changes to product identification resulting from this PCN:

Current

Chip Sites	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
GFAB6	GF6	GBR	Greenock
GFAB8	GF8	GBR	Greenock

New

Chip Site	Chip Site Origin Code (20L)	Chip Site Country Code (21L)	Chip Site City
MAINEFAB	**CUA**	**USA**	**South Portland**

Sample product shipping label (not actual product label)

TEXAS INSTRUMENTS
MADE IN: Malaysia
2DC: 2Q:

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

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

G4

(1P) SN74LS07NSR
(Q) 2000 (D) 0336
(31T)LOT: 3959047MLA
(4W) TKY(1T) 7523483SI2
(P)
(2P) REV: (V) 0033317
(20L) CSO: SHE (21L) CCO:USA
(22L) ASO: MLA (23L) ACO: MYS

Product Affected:

- EMB1420MME/NOPB
- EMB1487MM/NOPB
- EMB1487MME/NOPB
- EMB1487MMX/NOPB
- LM25118MH/NOPB
- LM25118MHE/NOPB
- LM25118MHX/NOPB
- LM2687-W
- LM3409N/NOPB
- LM3478MMX/S5000085
- LM5007MM/S7003020
- LM5025DMTC/NOPB
- LM5025DMTCX/NOPB
- LMR24210TL/NOPB
- LMR24210TLX/NOPB
- LMR24220TL/NOPB
- LMR24220TLX/NOPB
- LMR61428XMM/NOPB
- LMR61428XMMX/NOPB
- LMR62014XMF/NOPB
- LMR62014XMFE/NOPB
- LMR62014XMFX/NOPB
- LMZ14201HTZ/NOPB
- LMZ14201HTZE/NOPB
- LMZ14201HTZX/NOPB
- LMZ14202HTZ/NOPB
- LMZ14202HTZE/NOPB
- LMZ14202HTZX/NOPB
- LMZ14203HTZ/NOPB
- LMZ14203HTZE/NOPB
- LMZ14203HTZX/NOPB
- SM72482MA-4/NOPB
- SM72482MAE-4/NOPB
- SM72482MAX-4/NOPB
- SM74202MM-2/NOPB
- SM74202MME-2/NOPB
- SM74202MMX-2/NOPB
- SM74203MM/NOPB
- SM74203MME/NOPB
- SM74203MMX/NOPB
- TPS92690PWP/NOPB
- TPS92690PWPR/NOPB
- WPMDH1102401JT/NOPB
- WPMDH1152401JT/NOPB
- WPMDH1200601JT/NOPB
- WPMDH1302401JT/NOPB

Automotive Qualification Report
ABCD150 Fab Process Qualification in Maine Fab
Approve Date: 7-December-2010

Product Attributes

Attributes	Qual Device: LP38691QSD-ADJ	QBS Device #1: LP3907QSQ-JXIP	QBS Device #2: LMH6722QSD	QBS Device #3: DS25CP102QSQ	QBS Device #4: DS99R421QSQ
Wafer Fab Site:	Maine Fab	Maine Fab	Maine Fab	Maine Fab	Maine Fab
Wafer Diameter:	200mm	200mm	200mm	200mm	200mm
Fab Process Description:	ABCD150	ABCD150	ABCD150	ABCD150	ABCD150

- QBS: Qual by Similarity
- MSL Level 1 @260

Qualification Results

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

Test/Methods	Conditions	Measurement	ATE	Qual Device: LP38691QSD-ADJ	QBS Device #1: LP3907QSQ-JXIP	QBS Device #2: LMH6722QSD	QBS Device #3: DS25CP102QSQ	QBS Device #4: DS99R421QSQ
ELFR JESD22-A108	125°C	48hrs	25°C	3/2397/0	-	-	-	-
			125°C	3/2397/0	-	-	-	-
THBT JESD22-A101	85°C, 85%, 33.3psia	1000hrs	25°C	-	1/77/0	2/154/0	2/154/0	1/77/0
			85°C	-	-	-	2/154/0	-
			105°C	-	-	-	-	1/77/0
			125°C	-	1/77/0	2/154/0	-	-
OPL JESD22-A108	125°C	1000hrs	25°C	3/231/0	-	-	-	-
			150°C	3/231/0	-	-	-	-
			-40°C	3/231/0	-	-	-	-
HTSL JESD22-A103	150°C	1000hrs	25°C	-	1/45/0	1/90/0	1/77/0	1/77/0
			85°C	-	-	-	1/77/0	-
			105°C	-	-	-	-	1/77/0
			125°C	-	1/45/0	1/90/0	-	-
TMCL JESD22-A104	-65°C to 150°C	500cyc	25°C	-	1/77/0*	-	2/154/0*	1/77/0*
			85°C	-	-	-	2/154/0*	-
			105°C	-	-	-	-	1/77/0*
			125°C	-	1/77/0*	-	-	-
ACLV JESD22-A102	121°C, 100%, 14.7PSI	96hrs	25°C	-	-	3/231/0	1/77/0	1/77/0
ESDH	1.5 kOhms, 100pF, Room Temp	2000V	25°C	1/3/0	-	-	-	-
			125°C	1/3/0	-	-	-	-
ESDM	0 Ohm, 200pF, Room Temp	200V	25°C	1/3/0	-	-	-	-
			125°C	1/3/0	-	-	-	-
ESDC	Peak current pulse based on package parasitic impedance	750V	25°C	1/3/0	-	-	-	-
			125°C	1/3/0	-	-	-	-
LUPS	Current and Over Voltage test at Max Ambient Operating Temp	25°C	25°C	1/6/0	-	-	-	-
		125°C	150°C	1/6/0	-	-	-	-
GTLK	155°C	+/-400V	25°C	1/3/0	-	-	-	-

- Preconditioning was performed for ACLV, TMCL, THBT as per JESD22-A113

* Passed wirebond pull test after TMCL 500cyc

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
ABCD150XV1 Fab Process Qualification in Maine Fab
Approve Date: 13-June-2007

Product Attributes

Attributes	Qual Device: LM5010MH/NOPB
Wafer Fab Site:	Maine Fab
Wafer Diameter:	200mm
Fab Process Description:	ABCD150
Assembly Location:	TIEMA

- MSL Level 1 @260

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: LP38691QSD-ADJ
ACLV	Autoclave 121°C	96 hours	1/50/0
THBT	Temperature & Humidity	168 hours	1/77/0
OPL	Operational Life 125°C	1000hrs	3/231/0
HTSL	High Temp Storage Life (150°C)	1000hrs	1/76/0
TMCL	Temp Cycle (-65°C / +150°C)	500cyc	1/77/0
ESDH	ESD HBM	+/- 1000V	3/9/0
ESDC	ESD CDM	+/- 250V	3/9/0
LU	Latch-Up	(per JESD78)	3/18/0

- Preconditioning Level 1 was performed for ACLV, TMCL, THBT as per JESD22-A113

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