

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:			
<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		

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: 20:

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

OPT:
ITEM:

LBL: 5A (L)T0:1750



(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) ASD: MLA (23L) ACO: MYS

Product Affected:

EMB1420MME/NOPB	LM5025DMTCX/NOPB	LMZ14201HTZX/NOPB	SM74202MME-2/NOPB
EMB1487MM/NOPB	LMR24210TL/NOPB	LMZ14202HTZ/NOPB	SM74202MMX-2/NOPB
EMB1487MME/NOPB	LMR24210TLX/NOPB	LMZ14202HTZE/NOPB	SM74203MM/NOPB
EMB1487MMX/NOPB	LMR24220TL/NOPB	LMZ14202HTZX/NOPB	SM74203MME/NOPB
LM25118MH/NOPB	LMR24220TLX/NOPB	LMZ14203HTZ/NOPB	SM74203MMX/NOPB
LM25118MHE/NOPB	LMR61428XMM/NOPB	LMZ14203HTZE/NOPB	TPS92690PWP/NOPB
LM25118MHX/NOPB	LMR61428XMMX/NOPB	LMZ14203HTZX/NOPB	TPS92690PWPR/NOPB
LM2687-W	LMR62014XMF/NOPB	SM72482MA-4/NOPB	WPMDH1102401JT/NOPB
LM3409N/NOPB	LMR62014XMFE/NOPB	SM72482MAE-4/NOPB	WPMDH1152401JT/NOPB
LM3478MMX/S5000085	LMR62014XMX/NOPB	SM72482MAX-4/NOPB	WPMDH1200601JT/NOPB
LM5007MM/S7003020	LMZ14201HTZ/NOPB	SM74202MM-2/NOPB	WPMDH1302401JT/NOPB
LM5025DMTC/NOPB	LMZ14201HTZE/NOPB		

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

Product Attributes

Attributes	Qual Device: LP38691Q SD-ADJ	QBS Device #1: LP3907Q SQ-JXIP	QBS Device #2: LMH6722Q SD	QBS Device #3: DS25CP102Q SQ	QBS Device #4: DS99R421Q SQ
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: LP38691Q SD- ADJ	QBS Device #1: LP3907Q SQ-JXIP	QBS Device #2: LMH6722Q SD	QBS Device #3: DS25CP102Q SQ	QBS Device #4: DS99R421Q SQ
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