

PCN Number:	20130416000			PCN Date:	04/26/2013
Title:	Qualification of Fluorine Free ILD on CMOS9T 5V technology.				
Customer Contact:	PCN Manager	Phone:	+1(214)480-6037	Dept:	Quality Services
*Proposed 1st Ship Date:	07/26/2013	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 type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials	<input checked="" type="checkbox"/>	Wafer Fab Process
PCN Details					
Description of Change:					
This change notification is to announce the qualification of Fluorine Free ILD dielectric composition on the CMOS9T 5V technology.					
Current					
Chip Site	Fab Process	Wafer Diameter	Fluorine ILD Composition		
MAINEFAB	CMOS9T 5V	200mm	HDP = 4.5%, FSG=6.0%		
New					
Chip Site	Fab Process	Wafer Diameter	Fluorine ILD Composition		
MAINEFAB	CMOS9T 5V	200mm	0%		
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:					
None					

Product Affected:			
DC100AYFFR	LM49350RLX/S7002953	LP5904SP-2.8/NOPB	LP8556SQE-E08/NOPB
LM0505TM-0.95/NOPB	LM49352RL/NOPB	LP5904SP-2.85/NOPB	LP8556SQE-E09/NOPB
LM0505TM-1.1/NOPB	LM49352RLX/NOPB	LP5904SP-3.0/NOPB	LP8556SQE/NOPB
LM0505TM/NOPB	LM49352RLX/S7002412	LP5904SP-3.1/NOPB	LP8556SQX-E00/NOPB
LM0505TME-0.95/NOPB	LM49360RL/NOPB	LP5904SP-3.3/NOPB	LP8556SQX-E08/NOPB
LM0505TME-0.95/S7003053	LM49360RL/S7002774	LP5904SP-4.4/NOPB	LP8556SQX-E09/NOPB
LM0505TME-1.1/NOPB	LM49360RLX/NOPB	LP5904SPX-1.2/NOPB	LP8556SQX/NOPB
LM0505TME/NOPB	LM49360RLX/S7002777	LP5904SPX-1.8/NOPB	LP8556TME-E01/NOPB
LM0505TMX-0.95/NOPB	LM49453RLE/NOPB	LP5904SPX-2.8/NOPB	LP8556TME-E02/NOPB
LM0505TMX-1.1/NOPB	LM49453RLX/NOPB	LP5904SPX-2.85/NOPB	LP8556TME-E03/NOPB
LM0505TMX/NOPB	LM8328TME/NOPB	LP5904SPX-3.0/NOPB	LP8556TME-E04/NOPB
LM3533TME-40/NOPB	LM8328TMX/NOPB	LP5904SPX-3.1/NOPB	LP8556TME-E05/NOPB
LM3533TME-40A/NOPB	LM8330TME/NOPB	LP5904SPX-3.3/NOPB	LP8556TME-E06/NOPB
LM3533TMX-40/NOPB	LM8330TMX/NOPB	LP5904SPX-4.4/NOPB	LP8556TME-E07/NOPB
LM3533TMX-40A/NOPB	LM8330TMX/S7003033	LP5904TME-1.2/NOPB	LP8556TME-E08/NOPB
LM3565TLE/NOPB	LM8335TLE/NOPB	LP5904TME-2.8/NOPB	LP8556TME-E09/NOPB
LM3565TLX/NOPB	LM8335TLX/NOPB	LP5904TME-2.85/NOPB	LP8556TME-E10/NOPB

LM3585ATME/NOPB	LMH2200TLE-38A/NOPB	LP5904TME-3.1/NOPB	LP8556TME-E11/NOPB
LM3585ATMX/NOPB	LMH2200TLX-38A/NOPB	LP5904TME-3.4/NOPB	LP8556TME-E12/NOPB
LM3585CTME/NOPB	LMR30540TM-1.1/NOPB	LP5904TMX-1.2/NOPB	LP8556TMX-E01/NOPB
LM3585CTMX/NOPB	LMR30540TME-1.1/NOPB	LP5904TMX-2.8/NOPB	LP8556TMX-E02/NOPB
LM3585TME/NOPB	LMR30540TMX-1.1/NOPB	LP5904TMX-2.8/S7002796	LP8556TMX-E03/NOPB
LM3585TMX/NOPB	LP3925RME-A/NOPB	LP5904TMX-2.85/NOPB	LP8556TMX-E04/NOPB
LM48901RL/NOPB	LP3925RME-E/NOPB	LP5904TMX-2.85/S7002798	LP8556TMX-E05/NOPB
LM48901RLX/NOPB	LP3925RMX-A/NOPB	LP5904TMX-3.1/NOPB	LP8556TMX-E06/NOPB
LM48901SQ/NOPB	LP3925RMX-E/NOPB	LP5904TMX-3.4/NOPB	LP8556TMX-E07/NOPB
LM48901SQ/S7002905	LP39742TME/NOPB	LP5909UVE-1.2/NOPB	LP8556TMX-E08/NOPB
LM48901SQE/NOPB	LP39742TMX/NOPB	LP5909UVE-1.8/NOPB	LP8556TMX-E08/S7003057
LM48901SQX/NOPB	LP39742TMX/S7002680	LP5909UVE-3.1/NOPB	LP8556TMX-E09/NOPB
LM48901SQX/S7002906	LP3974RME/NOPB	LP5909UVE-4.5/NOPB	LP8556TMX-E09/S7003056
LM48903SQ/NOPB	LP3974RMX/NOPB	LP5909UVX-1.2/NOPB	LP8556TMX-E10/NOPB
LM48903TLE/NOPB	LP3974RMX/S7002573	LP5909UVX-1.8/NOPB	LP8556TMX-E11/NOPB
LM48903TLX/NOPB	LP3974TMX/NOPB	LP5909UVX-3.1/NOPB	LP8556TMX-E12/NOPB
LM49154TLE/NOPB	LP3977RME/NOPB	LP5909UVX-4.5/NOPB	LP8727TME-B/NOPB
LM49154TLE/S7003041	LP3977RMX/NOPB	LP8556SQ-E00/NOPB	LP8727TME-SMP1/NOPB
LM49154TLX/NOPB	LP5562TME/NOPB	LP8556SQ-E08/NOPB	LP8727TME/NOPB
LM49154TLX/S7003041	LP5562TMX/NOPB	LP8556SQ-E09/NOPB	LP8727TMX-B/NOPB
LM49350RL/NOPB	LP5904SP-1.2/NOPB	LP8556SQ/NOPB	LP8727TMX/NOPB
LM49350RLX/NOPB	LP5904SP-1.8/NOPB	LP8556SQE-E00/NOPB	PLP8556TMXE9/S

Reference Qualification Data: CMOS9T-5V Fluorine Free Process

Qualification Data: (Approved 4/16/2013)			
This qualification has been developed for the validation of this change. The qualification data will validate that the proposed change meets the applicable released technical specifications.			
Qualification Device: LM3533TME_C (MSL LEVEL1-260C)			
Package Construction Details			
Wafer Fab Site:	MAINEFAB	Wafer Fab Process:	CMOS9T 5V
Wafer Diameter:	200mm	Metallization:	Al .5%Cu
Passivation:	OXIDE/NITRIDE		
Qualification: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results			
Reliability Test	Conditions	Sample Size / Fail	
		Lot#1	Lot#2
High Temp Operating Life	125C (1000 Hrs)	77/0	-
Temp Cycle	-65/150C (500 Cyc)	77/0	77/0
**Preconditioning: MSL1@260C			

Qualification Data: (Approved 4/23/2013)

This qualification has been developed for the validation of this change. The qualification data will validate that the proposed change meets the applicable released technical specifications.

Qualification Device: LM8330TME/NOPB (MSL LEVEL1-260C)

Package Construction Details

Wafer Fab Site:	MAINEFAB	Wafer Fab Process:	CMOS9T 5V
Wafer Diameter:	200mm	Metallization:	Al .5%Cu
Passivation:	OXIDE/NITRIDE		
Qualification: <input type="checkbox"/> Plan <input checked="" type="checkbox"/> Test Results			
Reliability Test	Conditions	Sample Size / Fail Lot#1 Lot#2	
High Temp Operating Life	150C (500 Hrs)	77/0	-
**Preconditioning: MSL1@260C			

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
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Japan	PCNJapanContact@list.ti.com