



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20130416000
Qualification of Fluorine Free ILD on CMOS9T Technology
Change Notification / Sample Request

Date: 4/26/2013
To: MOUSER 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).

Sincerely,

PCN Team
SC Business Services
Phone: +1(214) 480-6037
Fax: +1(214) 480-6659

20130416000
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
LM48901RL/NOPB	LM48901RL NOPB
LM48901SQ/NOPB	LM48901SQ NOPB
LM48901SQE/NOPB	LM48901SQE NOPB
LM48901SQE/NOPB	LM48901SQE/NOPB
LM49350RL/NOPB	LM49350RL NOPB
LM49350RL/NOPB	LM49350RL/NOPB
LM49352RL/NOPB	LM49352RL NOPB
LP5904TME-2.8/NOPB	LP5904TME-2.8 NOPB
LP5904TME-2.85/NOPB	LP5904TME-2.85 NOPB
LP5904TME-3.1/NOPB	LP5904TME-3.1 NOPB
LP8556SQE-E09/NOPB	null

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

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:					
☐	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
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: ☐ Plan ☒ 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: ☐ Plan ☒ 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
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com