



07/31/2012

Dear Customer:

This is an announcement of a change to a device or set of devices that is/are currently offered by SVA (Division of 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
SVA Change Management
Phone: +1(408) 721-5380



FORECAST CHANGE NOTIFICATION

PCN # 20125301 Revision A

Title Of Change: Qualification of copper wire as alternate bonding material for selected products in MSOP Packages

Publish Date: 07/31/12

Revision History of PCN:

Rev	Action Date	User ID	Action Name	Action Comments
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A	07/30/2012	CJMKSC	Create PCN	

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence. This is a preliminary notification. A final PCN will be issued when qualification is complete and data is available.

If you require data or samples to qualify this change, please contact National Semiconductor within 30 days of receipt of this notification.

If you have any questions concerning this change, please contact:

For North America:

EMAIL : PCNAmericasContact@list.ti.com
PHONE : 1800-272-9959

For Europe :

EMAIL : PCNEuropeContact@list.ti.com
PHONE : 0800-676-2442

For Japan :

EMAIL : PCNJapanContact@list.ti.com
PHONE : 0120766033

For Asia Pacific :

EMAIL : PCNAsiaContact@list.ti.com
PHONE : 86-21-3313-4818

PCN Requestor:

NAME : Hoe, TS
EMAIL : TS.Hoe@nsc.com
PHONE : 606-2515-116

CHANGE TYPE: Assy Direct Mat'l Standardization

PROPOSED 1st SHIP DATE

10/30/12

DESCRIPTION OF CHANGE AND PRODUCTS AFFECTED

The purpose of this Product Change Notification (PCN) is to inform you that copper wire is being qualified as an alternate bonding material for selected products in MSOP Packages:

Packages	Before	After
=====	=====	=====
MSOP	Gold Wire (Au wire)	Gold and Copper Wire

This notification is another of several phases/customer notifications for Copper wire qualification that will occur in the coming year and contain selected products (non-military & non-automotive) from the MSOP package family. Refer to the part numbers affected section below for actual device listing.

REASON FOR CHANGE

The qualification of copper as an alternate bond wire 1) further supports the continuity of supply of all affected products and 2) serves to improve product performance through reduced bond wire impedance.

ANTICIPATED IMPACT ON FORM, FIT, FUNCTION, QUALITY, OR RELIABILITY (POSITIVE / NEGATIVE)

There is no change to the product quality or reliability. All current product specifications, performance parameters and characteristics will remain unchanged. The expectation is that there will not be an effect on customer applications.

Please note that the exact implementation date for each product will depend on a combination of the release schedule and inventory associated with the specific product.

SAMPLE AVAILABILITY DATE SCHEDULE

If you require samples or additional data to support your evaluation, please request within 30 days of this notification. The availability of samples will depend on the actual device(s) requested.

CHANGES TO PRODUCT IDENTIFICATION RESULTING FROM THIS PCN

Not applicable. After conversion, product may contain either Au or Cu bond wire with no discernable package or top marking for either.

During the customer qualification period for Cu bond wire conversion, Texas Instruments may switch customers to spec flow AULF (replace NOPB) and AUPB (replace standard PB plated) to assure product containing Au bond wire continues to be shipped until the customer qualification is complete.

QUALIFICATION PLAN NUMBERS

PART NUMBERS AFFECTED

LM2936MM-3.0	LM2936MM-3.3	LM2936MM-5.0
LM2936MMX-3.3	LM2936MMX-5.0	LM386MMX-1
LM555CMM	LM555CMMX	LM56BIMM
LM56BIMMX	LM56CIMM	LM56CIMMX
LM7322MM	LM7322MME	LM7322MMX
LM7332MM	LM7332MME	LM7332MMX
LM8262MM	LM8262MMX	LM8272MM
LM8272MMX	LM833MM	LM833MMX
LM9036MM-3.3	LM9036MM-5.0	LM9036MMX-3.3
LM9036MMX-5.0	LMC555CMM	LMC555CMMX
LMC6035IMM	LMC6035IMMX	LMC6482IMM
LMC6482IMMX	LMC6772AImm	LMC6772AIMMX
LMC8101IMM	LMC8101IMMX	LP2951ACMM
LP2951ACMM-3.0	LP2951ACMM-3.3	LP2951ACMMX
LP2951ACMMX-3.0	LP2951ACMMX-3.3	LP2951CMM
LP2951CMM-3.0	LP2951CMM-3.3	LP2951CMMX
LP2951CMMX-3.0	LP2951CMMX-3.3	LP2975AImm-3.3
LP2975AImm-5.0	LP2975AImmX-5.0	LP2975IMM-3.3
LP2975IMM-5.0	LP2975IMMX-5.0	

ATTACHMENTS

PCN MSOP_20120521-58641_20120525-59041.pdf

Customer	Spec	Cust Code	NSC Part	Customer Part
MOUSER ELECTRONICS	NOPB	0003989501	LM2936MM-5.0	LM2936MM-5.0
MOUSER ELECTRONICS	NOPB	0003989501	LM386MMX-1	LM386MMX-1
MOUSER ELECTRONICS	NOPB	0003989501	LM9036MM-3.3	LM9036MM-3.3
MOUSER ELECTRONICS	NOPB	0003989501	LMC555CMM	LMC555CMM/NOPB
MOUSER ELECTRONICS		0003989501	LMC6772AIMM	LMC6772AIMM
MOUSER ELECTRONICS	NOPB	0003989501	LMC6772AIMM	LMC6772AIMM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LMC6772AIMMX	LMC6772AIMMX
MOUSER ELECTRONICS	NOPB	0003989501	LP2951ACMM-3.3	LP2951ACMM-3.3
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMM-3.3	LP2951CMM-3.3/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMMX-3.3	LP2951CMMX-3.3
MOUSER ELECTRONICS	NOPB	0003989501	LP2975IMM-3.3	LP2975IMM-3.3
MOUSER ELECTRONICS		0003989501	LP2975IMM-5.0	
MOUSER ELECTRONICS		0003989501	LM56BIMM	
MOUSER ELECTRONICS		0003989501	LM7332MME	
MOUSER ELECTRONICS	NOPB	0003989501	LM8262MM	LM8262MM
MOUSER ELECTRONICS	NOPB	0003989501	LM833MM	LM833MM
MOUSER ELECTRONICS	NOPB	0003989501	LMC555CMM	LMC555CMM
MOUSER ELECTRONICS	NOPB	0003989501	LMC6035IMM	LMC6035IMM
MOUSER ELECTRONICS	NOPB	0003989501	LMC6482IMMX	LMC6482IMMX
MOUSER ELECTRONICS	NOPB	0003989501	LMC6772AIMM	LMC6772AIMM
MOUSER ELECTRONICS	NOPB	0003989501	LMC8101MM	LMC8101MM
MOUSER ELECTRONICS	NOPB	0003989501	LP2951ACMM	LP2951ACMM
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMM-3.0	LP2951CMM-3.0/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LP2975AIMM-3.3	LP2975AIMM-3.3
MOUSER ELECTRONICS	NOPB	0003989501	LP2975IMM-3.3	LP2975IMM-3.3/NOPB
MOUSER ELECTRONICS		0003989501	LM56CIMM	LM56CIMM
MOUSER ELECTRONICS		0003989501	LM7322MM	
MOUSER ELECTRONICS	NOPB	0003989501	LM7332MM	LM7332MM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LMC555CMMX	LMC555CMMX/NOPB
MOUSER ELECTRONICS		0003989501	LMC6035IMM	LMC6035IMM
MOUSER ELECTRONICS	NOPB	0003989501	LP2975AIMM-3.3	LP2975AIMM-3.3/NOPB
MOUSER ELECTRONICS		0003989501	LP2975IMM-3.3	LP2975IMM-3.3
MOUSER ELECTRONICS	NOPB	0003989501	LM56CIMM	LM56CIMM
MOUSER ELECTRONICS	NOPB	0003989501	LM7322MME	LM7322MME/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LM833MM	LM833MM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LMC6035IMM	LMC6035IMM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMM-3.3	LP2951CMM-3.3
MOUSER ELECTRONICS	NOPB	0003989501	LM555CMM	LM555CMM
MOUSER ELECTRONICS	NOPB	0003989501	LM555CMM	LM555CMM/NOPB
MOUSER ELECTRONICS		0003989501	LM7322MME	LM7322MME
MOUSER ELECTRONICS		0003989501	LM7332MM	LM7332MM
MOUSER ELECTRONICS	NOPB	0003989501	LM7332MME	LM7332MME
MOUSER ELECTRONICS		0003989501	LM7332MME	LM7332MME
MOUSER ELECTRONICS	NOPB	0003989501	LM7332MME	LM7332MME/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LMC8101IMMX	LMC8101IMMX
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMMX	LP2951CMMX
MOUSER ELECTRONICS		0003989501	LP2975IMM-5.0	LP2975IMM-5.0
MOUSER ELECTRONICS	NOPB	0003989501	LP2975IMM-5.0	LP2975IMM-5.0/NOPB
MOUSER ELECTRONICS		0003989501	LM56BIMM	LM56BIMM
MOUSER ELECTRONICS		0003989501	LM56CIMM	
MOUSER ELECTRONICS	NOPB	0003989501	LM7322MM	LM7322MM
MOUSER ELECTRONICS	NOPB	0003989501	LM8262MM	LM8262MM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LM8272MM	LM8272MM
MOUSER ELECTRONICS		0003989501	LM833MM	LM833MM
MOUSER ELECTRONICS	NOPB	0003989501	LM9036MM-3.3	LM9036MM-3.3/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LM9036MM-5.0	LM9036MM-5.0
MOUSER ELECTRONICS	NOPB	0003989501	LMC6482IMMX	LMC6482IMMX/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMM	LP2951CMM
MOUSER ELECTRONICS	NOPB	0003989501	LP2975AIMM-5.0	LP2975AIMM-5.0
MOUSER ELECTRONICS		0003989501	LP2975IMM-3.3	
MOUSER ELECTRONICS	NOPB	0003989501	LM2936MM-3.3	LM2936MM-3.3

MOUSER ELECTRONICS	NOPB	0003989501	LM2936MM-3.3	LM2936MM-3.3/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LM56BIMM	LM56BIMM
MOUSER ELECTRONICS	NOPB	0003989501	LM56CIMM	LM56CIMM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LM7322MM	LM7322MM/NOPB
MOUSER ELECTRONICS		0003989501	LM7322MME	
MOUSER ELECTRONICS	NOPB	0003989501	LM7332MM	LM7332MM
MOUSER ELECTRONICS		0003989501	LM7332MM	
MOUSER ELECTRONICS	NOPB	0003989501	LM8272MM	LM8272MM/NOPB
MOUSER ELECTRONICS		0003989501	LM8272MM	
MOUSER ELECTRONICS	NOPB	0003989501	LMC555CMMX	LMC555CMMX
MOUSER ELECTRONICS	NOPB	0003989501	LMC6482IMM	LMC6482IMM
MOUSER ELECTRONICS	NOPB	0003989501	LMC6482IMM	LMC6482IMM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LP2975IMM-5.0	LP2975IMM-5.0
MOUSER ELECTRONICS	NOPB	0003989501	LM2936MM-5.0	LM2936MM-5.0/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LM56BIMM	LM56BIMM/NOPB
MOUSER ELECTRONICS		0003989501	LM7322MM	LM7322MM
MOUSER ELECTRONICS	NOPB	0003989501	LM7322MME	LM7322MME
MOUSER ELECTRONICS		0003989501	LM8272MM	LM8272MM
MOUSER ELECTRONICS		0003989501	LMC6035IMM	
MOUSER ELECTRONICS		0003989501	LMC6482IMM	LMC6482IMM
MOUSER ELECTRONICS		0003989501	LMC6772AIMM	
MOUSER ELECTRONICS	NOPB	0003989501	LMC6772AIMMX	LMC6772AIMMX/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LP2951ACMM	LP2951ACMM/NOPB
MOUSER ELECTRONICS	NOPB	0003989501	LP2951ACMM-3.0	LP2951ACMM-3.0
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMM-3.0	LP2951CMM-3.0
MOUSER ELECTRONICS	NOPB	0003989501	LP2951CMMX-3.0	LP2951CMMX-3.0
MOUSER ELECTRONICS	NOPB	0003989501	LP2975AIMMX-5.0	LP2975AIMMX-5.0