



THIS IS AN UNCONTROLLED COPY **Supplement** **CUSTOMER PRODUCT-/ PROCESS CHANGE NOTIFICATION**

Reactions to this notifications are to be addressed to your local Philips sales representative or quality contact.

CPCN Number: 200305025S7	CPCN Issue Date: Mar 14 2005
Author: Maas Geesteranus, Michiel in Nijmegen	Issued by: Maas Geesteranus, Michiel in Nijmegen
Previous Notifications: May 28, 2003: 200305025 Advance Nov 05, 2003: 200305025F Final Nov 16, 2004: 200305025C Correction	And following Supplements: 200305025S1, ...S2, ...S3, etc. Dec 16, 2003: ...S1 Feb 20, 2004: ...S2 Jun 18, 2004: ...S3 Sep 28, 2004: ...S4 Nov 17, 2004: ...S5 Dec 29, 2004: ...S6

IC Application Area: In Multiple IC Areas

Change Affects a Whole Prod/Proc/Pkg Family?

No

Product Types/12ncs Affected:

12NC	12NC (New)	Type Number	Type Number (New)	Philips Package Code	Package Name
999999999999		FOR THE TYPelist	SEE THE WEBPAGE A	INDICATED BELOW	UNDER REMARKS

Change Category: ASSEMBLY/SITE/PACKAGE/MATERIAL

Change Description:

Lead (Pb) containing leadfinish material will be replaced by a lead(Pb)-free leadfinish material. The 1st till 7th phases were communicated via the Final and several Supplement CPCN's in 2003/2004. One correction CPCN was issued in 2004. Through this 7th Supplement to the Final CPCN the conversion of the 8th phase products to Pb-free is communicated: Introduction of:

1. Majority of the SSOP packages from ATP (Amkor Philippines).
As announced before, together with the change to NiPdAu, ATP will change the BOM to 8290 die-attach and EMEG600 plastic.
2. TSSOP48 from PST and PSC (Philips Thailand and Philippines)
These packages are released with MP8000/8390P and NiPdAu.

Reason for Change:

Increased environmental friendliness, required by world-wide programs and legislation (RoHS) to remove lead (Pb) from semiconductor package terminals.

Remarks:

The Final CPCN is split-up in several phases (1 Final CPCN followed by supplements for each next phase). This 7th Supplement is intended as the 8th "Final CPCN" through which the 8th phase introduction is communicated.

PROPERTIES OF OLD VS CHANGED PRODUCT:

The form/fit/function properties of the products are not influenced by the change.

As the leadtin(SnPb)plating is replaced by NiPdAu preplating, the visual appearance of the leads may change.

The mounting of products on PCB are not influenced by this change. Pb-free and Pb-containing product are compatible for SnPb and Pb-free boardmounting processes. At all times MSL precautions, as indicated on packing label, must be respected.

With Pb-free introduction all mentioned products comply to RoHS.

DISPOSITION OF OLD PRODUCTS:

Pb-free products delivery starts once Pb-containing products are depleted.

IDENTIFICATION OF CHANGED PRODUCT:

The Pb-free products can be identified:

1. By a Pb-free logo on the label, e.g. on reel and inner packing box.
2. If space permits : By marking the symbol "G" on the product.
3. By backward traceability through date codes.

ESTIMATED DATE FOR DELIVERY OF CHANGED PRODUCT:

From May 2005 onwards.

The ZIP file attached at "Attachement" below contains following information:

1. Two Qualification results reports.
2. Product type list 8th phase.

The above information is also available on the leadfree webpage:

http://www.semiconductors.com/green_roadmap/.

Supplemented As Follows:

See under remarks above.



Supplement
CUSTOMER PRODUCT-/ PROCESS CHANGE NOTIFICATION

Reactions to this notifications are to be addressed to your local Philips sales representative or quality contact.

CPCN Number: 200305025S7	CPCN Issue Date: Mar 14 2005
Author: Maas Geesteranus, Michiel in Nijmegen	Issued by: Maas Geesteranus, Michiel in Nijmegen
Previous Notifications: May 28, 2003: 200305025 Advance Nov 05, 2003: 200305025F Final Dec 16, 2003: 200305025S Supplement	

Attachment: Phase 8 Qualification reports and typelist.

Approved by:	Name:	Job Title:	Date:
	Eef Bagerman	Sr. Director IMO Backend Innovation	Mar 14 2005
	Rob de Heus	Leadfree Program Manager	Mar 14 2005
	Michiel Maas Geesteranus	Assy Technical Change Coordinator IMO Backe	Mar 14 2005

An approved electronic or hardcopy version of this Change Notification has been filed by the publishing Business Unit or Business Line/Organization mentioned at the top of this document.



Supplement
CUSTOMER PRODUCT-/ PROCESS CHANGE NOTIFICATION

Reactions to this notifications are to be addressed to your local Philips sales representative or quality contact.

CPCN Number: 200305025S7	CPCN Issue Date: Mar 14 2005
Author: Maas Geesteranus, Michiel in Nijmegen	Issued by: Maas Geesteranus, Michiel in Nijmegen
Previous Notifications: May 28, 2003: 200305025 Advance Nov 05, 2003: 200305025F Final Dec 16, 2003: 200305025S Supplement	